

Pensieve header: The PBW multiplication tensor for $\mathfrak{sl}_n$ using the full λ -tangent formalism. Some material from pensieve://Projects/UEA.

```
In[ ]:= SetDirectory@"C:\\drorbn\\AcademicPensieve\\Projects\\SolvablePBW";
<< KnotTheory`
```

Loading KnotTheory` version of October 29, 2024, 10:29:52.1301.
Read more at <http://katlas.org/wiki/KnotTheory>.

Prolog

```
In[ ]:= BeginPackage["UEA`"];
Print["UEA` does computations in general universal enveloping
algebras and PBW algebras. It is in the public domain, available
at http://drorbn.net/AcademicPensieve/Projects/SolvablePBW/.
Dror Bar-Natan is committed to support it within
reason until June 1, 2027. This is version 260601."];
Print["UEA` implements / extends ",
Sort@{"**",  $\epsilon$ , $k, CF, SSQ, NilQ, B, m, SetAlgebra, U,
UB, UProducts, USimp, UU, $Basis, $PBWRule,  $\delta$ , adPower, adExp},
"."];
Begin["`Private`"];
```

UEA` does computations in general universal enveloping algebras and PBW algebras. It is in the public domain, available at <http://drorbn.net/AcademicPensieve/Projects/SolvablePBW/>. Dror Bar-Natan is committed to support it within reason until June 1, 2027. This is version 260601.

UEA` implements / extends {**, adExp, adPower, B, CF, m, NilQ, SetAlgebra, SSQ, U, UB, UProducts, USimp, UU, δ , ϵ , \$Basis, \$k, \$PBWRule}.

Utilities

```
In[ ]:=  $\delta_{i,j}$  := If[i == j, 1, 0];
```

```
In[ ]:= SSQ[c_.*x_] /; MemberQ[$Basis, x] :=  $\neg$  NilQ[x]; (* Semi-Simple Q *)
NilQ[c_.*x_] /; MemberQ[$Basis, x] := NilQ[x];
SSQ[x_Plus] := And @@ (SSQ /@ (List @@ x));
NilQ[x_Plus] := And @@ (NilQ /@ (List @@ x));
```

```
In[ ]:= $k = 1;
```

```
In[ ]:= CF[ $\mathcal{E}$ _] := Expand[ $\mathcal{E}$  /.  $e^L$  ->  $e^{\text{Expand}[L]}$ ] /. { $e^{k\cdot}$  /;  $k > \$k \rightarrow 0$ };
```

Implementing general universal enveloping algebras

```

In[ ]:= B[0, _] = 0; B[_ , 0] = 0;
B[c_ * x_, y_] /; MemberQ[$Basis, x] := CF[c B[x, y]];
B[y_, c_ * x_] /; MemberQ[$Basis, x] := CF[c B[y, x]];
B[x_Plus, y_] := B[#, y] & /@ x;
B[x_, y_Plus] := B[x, #] & /@ y;
B[x_, x_] = 0;
B[y_, x_] := CF[-B[x, y]];

In[ ]:= x_ ≤ y_ := OrderedQ[{x, y} /. $PBWRule]; x_ < y_ := ! OrderedQ[{y, x} /. $PBWRule];
UU_i_[1] := U_i[];
UU_i_[x_P_] := UU_i_@@Table[x, {p}];
UU_i_[ε_] := ε /. {
  U[xs_] => U_i[xs],
  x_ /; MemberQ[$Basis, x] => U_i[x]
};
UU_i_[x_, xs_] := UU_t1[x] UU_t2[xs] // Expand // m_t1,t2->i;
USimp[ε_] := Collect[ε, Times[U_[] ..], Expand];
USimp[ε_] := Expand[ε];

In[ ]:= m_s_[0] = 0;
m_s_[x_Plus] := m_s_ /@ x;
m_s_[sd_SeriesData] := MapAt[m_s, sd, {3, All}];
m_i->j_[ε_] := ε /. U_i -> U_j;

In[ ]:= m_i,j->k_[c_. U_i_[x_] U_j_[y]] := c U_k[x];
m_i,j->k_[c_. U_i[] U_j_[y]] := c U_k[y];
m_i,j->k_[c_. U_i_[xx_] U_j_[y_, yy_]] := If[x ≤ y,
  c U_k[xx, x, y, yy],
  ((U_i[xx] (U_j[y, x] + UU_j[B[x, y]]) // Expand // m_i,j->i) U_j[yy] // Expand // m_i,j->k)
  c // USimp
];

In[ ]:= UProducts[{}, 0] = {1}; UProducts[{}, d_Integer] /; d > 0 = {};
UProducts[{i_, is_}, d_Integer] := Sort@
  Flatten@Table[(U_i@@@Subsets[$Basis, {j}]) u, {j, 0, d}, {u, UProducts[{is, d-j}]}];

In[ ]:= Supp[ε_] := Union@Cases[{ε}, U_i[___] => i, ∞];

```

```
In[*]:= Unprotect[NonCommutativeMultiply];
NonCommutativeMultiply[x_] := x;
x_ ⋈ y_ := Module[{is = Supp[x] ∩ Supp[y], σ, z},
  z = x; Do[z = mi→σ@i[z], {i, is}];
  z = Expand[y z]; Do[z = mσ@i, i→i[z], {i, is}]; z];
UB[x_, y_] := USimp[x ⋈ y - y ⋈ x];
```

Epilog

```
In[*]:= End[]; EndPackage[];
```

Predefined Algebras

sl(2)

```
In[*]:= Print["UEA`SetAlgebra knows \"sl2\"."];
```

UEA`SetAlgebra knows "sl2".

```
In[*]:= SetAlgebra["sl2"] := (
  Print["In sl2: ⟨e,h,f⟩ / ([h,e]=2e, [h,f]=-2f, [e,f]=h)."];
  B[h, e] = 2 e; B[h, f] = -2 f; B[e, f] = h;
  $Algebra = "sl2";
  $Basis = {e, h, f};
  $PBWRule = {e → 1, h → 2, f → 3};
  NilQ[e] = NilQ[f] = True; NilQ[h] = False;
);
```

$gl_{n,\epsilon}$

```
In[*]:= Print["UEA`SetAlgebra knows the ε-nilpotent algebra gln,ε."];
```

UEA`SetAlgebra knows the ϵ -nilpotent algebra $gl_{n,\epsilon}$.

```

In[ ]:= SetAlgebra[gln,ε] := (
  $Algebra = gln,ε;
  $Basis = Flatten@{
    Table[yα,β, {β, 2, n}, {α, 1, β - 1}],
    Table[xα,β, {β, 1, n}, {α, 1, β}]
  };
  (*$Basis=Reverse@SortBy[$Basis,If[#[[1]]===x,{0,#[[3]]-#[[2]]},{1,#[[2]]-#[[3]]}&];*)
  NilQ[y_] = True; NilQ[xα,β] := (α != β); (* Nilpotent Q *)
  $PBWRule = Thread[$Basis → Range@Length@$Basis];
  B[xi,j, xk,l] := δj,k xi,l - δl,i xk,j;
  B[yi,j, yk,l] := CF[-ε δj,k yi,l + ε δl,i yk,j];
  B[xi,j, yk,l] := CF[δj,k xi,l - δl,i xk,j /. xα,β → If[α ≤ β, ε xα,β, yβ,α]];
);

```

```

In[ ]:= SetAlgebra[gl2,ε];
$PBWRule
MatrixForm@Table[{b1, b2} → B[b1, b2], {b1, $Basis}, {b2, $Basis}]

```

```

Out[ ]:=
{y1,2 → 1, x1,1 → 2, x1,2 → 3, x2,2 → 4}

```

```

Out[ ]//MatrixForm=

$$\begin{pmatrix} \{y_{1,2}, y_{1,2}\} \rightarrow 0 & \{y_{1,2}, x_{1,1}\} \rightarrow y_{1,2} & \{y_{1,2}, x_{1,2}\} \rightarrow -\epsilon x_{1,1} + \epsilon x_{2,2} & \{y_{1,2}, x_{2,2}\} \rightarrow -y_{1,2} \\ \{x_{1,1}, y_{1,2}\} \rightarrow -y_{1,2} & \{x_{1,1}, x_{1,1}\} \rightarrow 0 & \{x_{1,1}, x_{1,2}\} \rightarrow x_{1,2} & \{x_{1,1}, x_{2,2}\} \rightarrow 0 \\ \{x_{1,2}, y_{1,2}\} \rightarrow \epsilon x_{1,1} - \epsilon x_{2,2} & \{x_{1,2}, x_{1,1}\} \rightarrow -x_{1,2} & \{x_{1,2}, x_{1,2}\} \rightarrow 0 & \{x_{1,2}, x_{2,2}\} \rightarrow x_{1,2} \\ \{x_{2,2}, y_{1,2}\} \rightarrow y_{1,2} & \{x_{2,2}, x_{1,1}\} \rightarrow 0 & \{x_{2,2}, x_{1,2}\} \rightarrow -x_{1,2} & \{x_{2,2}, x_{2,2}\} \rightarrow 0 \end{pmatrix}$$


```

```

In[ ]:= adPower[x_, k_, Env_] [c_ * y_] /; MemberQ[$Basis, y] := CF[c adPower[x, k, Env] [y]];
adPower[x_, k_, Env_] [y_Plus] := adPower[x, k, Env] /@ y;
adPower[_ , 0, Env_] [y_] := y;
adPower[x_, k_, Env_] [0] = 0;
adPower[x_, k_, Env_] [y_] /; MemberQ[$Basis, y] :=
  adPower[x, k, Env] [y] = B[adPower[x, k - 1, Env] [y], x];
adPower[x_, k_] [y_] := adPower[x, k, {$Algebra, $k}] [y];

```

```

In[ ]:= x0 = ($Basis /. {x → ξ0, y → η0}) . $Basis
x1 = ($Basis /. {x → ξ1, y → η1}) . $Basis

```

```

Out[ ]:=
y1,2 η0,1,2 + x1,1 ξ0,1,1 + x1,2 ξ0,1,2 + x2,2 ξ0,2,2

```

```

Out[ ]:=
y1,2 η1,1,2 + x1,1 ξ1,1,1 + x1,2 ξ1,1,2 + x2,2 ξ1,2,2

```

```

In[ ]:= adExp[x_] [y_] /; SSQ[x] := Expand@Module[{A, b, c},
  A = Table[Coefficient[B[b, x], c], {c, $Basis}, {b, $Basis}];
  CF[$Basis.Normal[Series[MatrixExp[A], {ε, 0, $k}]]].
  Table[Coefficient[y, b], {b, $Basis}]
]

```

In[*]:= **SSQ**[$\xi_{0,1}$ $x_{1,1}$]

Out[*]=

True

In[*]:= **adExp**[$\xi_{0,1}$ $x_{1,1}$] [x_1]

Out[*]=

$e^{\xi_{0,1}} y_{1,2} \eta_{1,2} + x_{1,1} \xi_{1,1} + e^{-\xi_{0,1}} x_{1,2} \xi_{1,2} + x_{2,2} \xi_{1,2}$

```
adExp[ $x_{\_}$ ] [ $y_{\_}$ ] /; NilQ[ $x$ ] := Expand@Module[{ $k = 0$ ,  $s = 0$ },
  While[adPower[ $x$ ,  $k$ ] [ $y$ ] != 0,
     $s += \text{adPower}[x, k][y] / k!$ ;
    ++ $k$ 
  ];
   $s$ 
]
```

In[*]:= **adExp**[$\xi_{0,2}$ $x_{1,2}$] [x_1]

Out[*]=

$y_{1,2} \eta_{1,2} - e x_{1,1} \eta_{1,2} \xi_{0,2} + e x_{2,2} \eta_{1,2} \xi_{0,2} - e x_{1,2} \eta_{1,2} \xi_{0,2}^2 +$
 $x_{1,1} \xi_{1,1} + x_{1,2} \xi_{0,2} \xi_{1,1} + x_{1,2} \xi_{1,2} + x_{2,2} \xi_{1,2} - x_{1,2} \xi_{0,2} \xi_{1,2}$

```
 $\lambda$ Tangent[ ] = 0;
 $\lambda$ Tangent[ $xs_{\_}$ ,  $x_{\_}$ ] := adExp[ $x$ ] [ $\lambda$ Tangent[ $xs$ ]] +  $\partial_{\lambda} x$ ;
 $\lambda$ Tangent[ $xs\_List$ ] :=  $\lambda$ Tangent @@  $xs$ 
```

In[*]:= **\$Basis** (**\$Basis** /. { $x \rightarrow \xi$, $y \rightarrow \eta$ })

Out[*]=

{ $y_{1,2} \eta_{1,2}$, $x_{1,1} \xi_{1,1}$, $x_{1,2} \xi_{1,2}$, $x_{2,2} \xi_{2,2}$ }

In[*]:= λ **Tangent**@(λ **\$Basis** (**\$Basis** /. { $x \rightarrow \xi$, $y \rightarrow \eta$ }))

Out[*]=

$e^{\lambda \xi_{1,1} - \lambda \xi_{2,2}} y_{1,2} \eta_{1,2} + x_{1,1} \xi_{1,1} + e^{\lambda \xi_{2,2}} x_{1,2} \xi_{1,2} - e^{\lambda \xi_{1,1}} e \lambda x_{1,1} \eta_{1,2} \xi_{1,2} +$
 $e^{\lambda \xi_{1,1}} e \lambda x_{2,2} \eta_{1,2} \xi_{1,2} + e^{\lambda \xi_{2,2}} \lambda x_{1,2} \xi_{1,1} \xi_{1,2} - e^{\lambda \xi_{1,1} + \lambda \xi_{2,2}} e \lambda^2 x_{1,2} \eta_{1,2} \xi_{1,2}^2 + x_{2,2} \xi_{2,2}$

In[*]:= **\$Basis**

Out[*]=

{ $y_{1,2}$, $x_{1,1}$, $x_{1,2}$, $x_{2,2}$ }

```

In[*]:= lhs = λTangent [
  Join[λ$Basis ($Basis /. {x → ξ1, y → η1}), λ$Basis ($Basis /. {x → ξ2, y → η2})]
]

Out[*]=
eλ ξ1,1-λ ξ1,2+λ ξ2,1-λ ξ2,2 y1,2 η1,2 + eλ ξ2,1-λ ξ2,2 y1,2 η2,2 + x1,1 ξ1,1 -
eλ ξ2,1-λ ξ2,2 λ y1,2 η2,2 ξ1,1 + eλ ξ1,2-λ ξ2,1+λ ξ2,2 x1,2 ξ1,2 - eλ ξ1,1 ∈ λ x1,1 η1,2 ξ1,2 +
eλ ξ1,1 ∈ λ x2,2 η1,2 ξ1,2 + eλ ξ1,2 ∈ λ x1,1 η2,2 ξ1,2 - eλ ξ1,2 ∈ λ x2,2 η2,2 ξ1,2 +
2 eλ ξ1,1+λ ξ2,1-λ ξ2,2 ∈ λ2 y1,2 η1,2 η2,2 ξ1,2 - eλ ξ1,2+λ ξ2,1-λ ξ2,2 ∈ λ2 y1,2 η2,22 ξ1,2 +
eλ ξ1,2-λ ξ2,1+λ ξ2,2 λ x1,2 ξ1,1 ξ1,2 + eλ ξ1,2 ∈ λ2 x1,1 η2,2 ξ1,1 ξ1,2 - eλ ξ1,2 ∈ λ2 x2,2 η2,2 ξ1,1 ξ1,2 -
eλ ξ1,2+λ ξ2,1-λ ξ2,2 ∈ λ3 y1,2 η2,22 ξ1,1 ξ1,2 - eλ ξ1,1+λ ξ1,2-λ ξ2,1+λ ξ2,2 ∈ λ2 x1,2 η1,2 ξ1,22 + x2,2 ξ1,22 +
eλ ξ2,1-λ ξ2,2 λ y1,2 η2,2 ξ1,2 + x1,1 ξ2,1 + eλ ξ2,2 x1,2 ξ2,2 - eλ ξ1,1-λ ξ1,2+λ ξ2,1 ∈ λ x1,1 η1,2 ξ2,2 +
eλ ξ1,1-λ ξ1,2+λ ξ2,1 ∈ λ x2,2 η1,2 ξ2,2 - eλ ξ2,1 ∈ λ x1,1 η2,2 ξ2,2 + eλ ξ2,1 ∈ λ x2,2 η2,2 ξ2,2 +
eλ ξ2,2 λ x1,2 ξ1,1 ξ2,2 + eλ ξ2,1 ∈ λ2 x1,1 η2,2 ξ1,1 ξ2,2 - eλ ξ2,1 ∈ λ2 x2,2 η2,2 ξ1,1 ξ2,2 -
2 eλ ξ1,1+λ ξ2,2 ∈ λ2 x1,2 η1,2 ξ1,2 ξ2,2 + 2 eλ ξ1,2+λ ξ2,2 ∈ λ2 x1,2 η2,2 ξ1,2 ξ2,2 +
2 eλ ξ1,2+λ ξ2,2 ∈ λ3 x1,2 η2,2 ξ1,1 ξ1,2 ξ2,2 - eλ ξ2,2 λ x1,2 ξ1,2 ξ2,2 -
eλ ξ2,1 ∈ λ2 x1,1 η2,2 ξ1,2 ξ2,2 + eλ ξ2,1 ∈ λ2 x2,2 η2,2 ξ1,2 ξ2,2 + eλ ξ2,2 λ x1,2 ξ2,1 ξ2,2 -
eλ ξ1,1-λ ξ1,2+λ ξ2,1+λ ξ2,2 ∈ λ2 x1,2 η1,2 ξ2,22 - eλ ξ2,1+λ ξ2,2 ∈ λ2 x1,2 η2,2 ξ2,22 +
eλ ξ2,1+λ ξ2,2 ∈ λ3 x1,2 η2,2 ξ1,1 ξ2,22 - eλ ξ2,1+λ ξ2,2 ∈ λ3 x1,2 η2,2 ξ1,2 ξ2,22 + x2,2 ξ2,2

In[*]:= rhs = λTangent@($Basis ($Basis /. {xα,α → CF[fα,α[λ]], xαβ,α → fαβ[λ], yαβ,α → gαβ[λ]}))

Out[*]=
x1,1 f1,1'[λ] + ef2,2[λ] x1,2 f1,2[λ] f1,1'[λ] + ef2,2[λ] x1,2 f1,2'[λ] +
x2,2 f2,2'[λ] + ef1,1[λ]-f2,2[λ] y1,2 g1,2'[λ] - ef1,1[λ] ∈ x1,1 f1,2[λ] g1,2'[λ] +
ef1,1[λ] ∈ x2,2 f1,2[λ] g1,2'[λ] - ef1,1[λ]+f2,2[λ] ∈ x1,2 f1,2[λ]2 g1,2'[λ]

In[*]:= SSBasis = Select[$Basis, SSQ]

Out[*]=
{x1,1, x2,2}

In[*]:= eqns = Simplify[(Coefficient[lhs - rhs, #] == 0) & /@ $Basis]

Out[*]=
{eλ (ξ1,1-ξ1,2+ξ2,1-ξ2,2) η1,2 (1 + 2 eλ ξ1,2 ∈ λ2 η2,2 ξ1,2) ==
eλ (ξ1,2+ξ2,1-ξ2,2) ∈ λ2 η2,22 (1 + λ ξ1,1) ξ1,2 +
eλ (ξ2,1-ξ2,2) η2,2 (-1 + λ ξ1,1 - λ ξ1,2) + ef1,1[λ]-f2,2[λ] g1,2'[λ],
ξ2,1 + ξ1,1 (1 + eλ ξ1,2 ∈ λ2 η2,2 (eλ ξ1,2 ξ1,2 + eλ ξ2,1 ξ2,2)) + ef1,1[λ] ∈ f1,2[λ] g1,2'[λ] ==
eλ (ξ1,1-ξ1,2) ∈ λ η1,2 (eλ ξ1,2 ξ1,2 + eλ ξ2,1 ξ2,2) +
eλ ξ1,2 ∈ λ η2,2 (-eλ ξ1,2 ξ1,2 + eλ ξ2,1 (1 + λ ξ1,2) ξ2,2) + f1,1'[λ],
e-λ (ξ1,2+ξ2,1) (-eλ (ξ1,1+2 ξ1,2+ξ2,2) ∈ λ2 η1,2 ξ1,22 + eλ (ξ1,2+ξ2,2) ξ1,2 (-2 eλ (ξ1,1+ξ2,1) ∈ λ2 η1,2
ξ2,2 + eλ ξ2,2 (1 + 2 eλ ξ2,1 ∈ λ2 η2,2 ξ2,2) + eλ ξ1,2 λ ξ1,1 (1 + 2 eλ ξ2,1 ∈ λ2 η2,2 ξ2,2)) -
eλ ξ2,1 (eλ (ξ1,2+ξ2,2) (-1 - λ ξ1,1 + λ ξ1,2 - λ ξ2,1) ξ2,2 +
eλ (ξ2,1+ξ2,2) ∈ λ2 (eλ ξ1,1 η1,2 + eλ ξ1,2 η2,2 (1 - λ ξ1,1 + λ ξ1,2)) ξ2,22 +
eλ ξ1,2+f2,2[λ] (f1,2[λ] f1,1'[λ] + f1,2'[λ] - ef1,1[λ] ∈ f1,2[λ]2 g1,2'[λ])) == 0,
ξ1,2 + eλ ξ1,2 ∈ λ η1,2 (eλ ξ1,1 ξ1,2 + eλ (ξ1,1-ξ1,2+ξ2,1) ξ2,2) + ξ2,2 ==
eλ ξ1,2 ∈ λ η2,2 (eλ ξ1,2 (1 + λ ξ1,1) ξ1,2 + eλ ξ2,1 (-1 + λ ξ1,1 - λ ξ1,2) ξ2,2) +
f2,2'[λ] + ef1,1[λ] ∈ f1,2[λ] g1,2'[λ]}

```

```

In[*]:= Length@eqns
Out[*]=
4

In[*]:= unknowns = $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]}
Out[*]=
{g1,2[λ], f1,1[λ], f1,2[λ], f2,2[λ]}

In[*]:= $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
Out[*]=
{g1,2[0] == 0, f1,1[0] == 0, f1,2[0] == 0, f2,2[0] == 0}

In[*]:= {sol0} = Block[{ $k = 0}, Simplify@DSolve[
  lhs = λTangent[
    Join[λ $Basis ($Basis /. {x → ξ1, y → η1}), λ $Basis ($Basis /. {x → ξ2, y → η2})]
  ];
  rhs = λTangent@($Basis ($Basis /. {xα, α ⇒ CF[fα,α[λ]], xαβ → fαβ[λ], yαβ → gαβ[λ]}));
  Join[
    (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
    $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
  ],
  $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]},
  λ
]]
Out[*]=
{ {f1,1[λ] → λ (ξ1,1 + ξ2,1), f2,2[λ] → λ (ξ1,2 + ξ2,2),
  f1,2[λ] → e-λ ξ2,1 λ ξ1,2 + e-λ ξ1,2 λ ξ2,2, g1,2[λ] → λ (η1,2 + eλ (-ξ1,1 + ξ1,2) η2,2) } }

In[*]:= {sol1} = Block[{ $k = 1}, Simplify@DSolve[
  lhs = λTangent[
    Join[λ $Basis ($Basis /. {x → ξ1, y → η1}), λ $Basis ($Basis /. {x → ξ2, y → η2})]
  ];
  rhs = λTangent[
    $Basis ($Basis /. {xα, α ⇒ CF[fα,α[λ]], xαβ → fαβ[λ], yαβ → gαβ[λ]})) /.
    (sol0 /. ((a → b) ⇒ (a → e a + b)))
  ];
  Join[
    (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
    $Basis /. {xαβ ⇒ fαβ[0] == 0, yαβ ⇒ gαβ[0] == 0}
  ],
  $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]},
  λ
]]
Out[*]=
{ {f1,1[λ] → eλ ξ1,2 λ2 η2,2 ξ1,2, f2,2[λ] → -eλ ξ1,2 λ2 η2,2 ξ1,2,
  f1,2[λ] → λ3 η2,2 ξ1,2 ξ2,2, g1,2[λ] → -e-λ ξ1,1 + 2 λ ξ1,2 λ3 η2,22 ξ1,2} }

```

```

In[ ]:= TriangularDSolve[eqns_, funs_, iv_] := Module[{sol = {}, e, fun, der},
  MapThread[
    {e, fun} \[Mapsto] sol = Echo@Join[sol,
      MapAt[CF, First@DSolve[Echo@CF[e /. Derivative[1][f_][v_] \[Rrightarrow] der[f[v], v] /. sol /.
        der[f_, v_] \[Rrightarrow] \partial_v f], fun, iv], {1, 2}]
    ],
  {eqns, funs}
];
sol
]

```

```

In[ ]:= SetAlgebra[gl3,ε];
$k = 1
$PBWRule
MatrixForm@Table[{b1, b2} \[Mapsto] B[b1, b2], {b1, $Basis}, {b2, $Basis}]

```

Out[]=

1

Out[]=

{y_{1,2} \[Mapsto] 1, y_{1,3} \[Mapsto] 2, y_{2,3} \[Mapsto] 3, x_{1,1} \[Mapsto] 4, x_{1,2} \[Mapsto] 5, x_{2,2} \[Mapsto] 6, x_{1,3} \[Mapsto] 7, x_{2,3} \[Mapsto] 8, x_{3,3} \[Mapsto] 9}

Out[]//MatrixForm=

{y _{1,2} , y _{1,2} } \[Mapsto] 0	{y _{1,2} , y _{1,3} } \[Mapsto] 0	{y _{1,2} , y _{2,3} } \[Mapsto] -\epsilon y _{1,3}	{y _{1,2} , x _{1,1} } \[Mapsto] y _{1,3}
{y _{1,3} , y _{1,2} } \[Mapsto] 0	{y _{1,3} , y _{1,3} } \[Mapsto] 0	{y _{1,3} , y _{2,3} } \[Mapsto] 0	{y _{1,3} , x _{1,1} } \[Mapsto] y _{2,3}
{y _{2,3} , y _{1,2} } \[Mapsto] \epsilon y _{1,3}	{y _{2,3} , y _{1,3} } \[Mapsto] 0	{y _{2,3} , y _{2,3} } \[Mapsto] 0	{y _{2,3} , x _{1,1} } \[Mapsto] 0
{x _{1,1} , y _{1,2} } \[Mapsto] -y _{1,2}	{x _{1,1} , y _{1,3} } \[Mapsto] -y _{1,3}	{x _{1,1} , y _{2,3} } \[Mapsto] 0	{x _{1,1} , x _{1,1} } \[Mapsto] 0
{x _{1,2} , y _{1,2} } \[Mapsto] \epsilon x _{1,1} - \epsilon x _{2,2}	{x _{1,2} , y _{1,3} } \[Mapsto] -y _{2,3}	{x _{1,2} , y _{2,3} } \[Mapsto] 0	{x _{1,2} , x _{1,1} } \[Mapsto] -y _{2,3}
{x _{2,2} , y _{1,2} } \[Mapsto] y _{1,2}	{x _{2,2} , y _{1,3} } \[Mapsto] 0	{x _{2,2} , y _{2,3} } \[Mapsto] -y _{2,3}	{x _{2,2} , x _{1,1} } \[Mapsto] 0
{x _{1,3} , y _{1,2} } \[Mapsto] -\epsilon x _{2,3}	{x _{1,3} , y _{1,3} } \[Mapsto] \epsilon x _{1,1} - \epsilon x _{3,3}	{x _{1,3} , y _{2,3} } \[Mapsto] \epsilon x _{1,2}	{x _{1,3} , x _{1,1} } \[Mapsto] -y _{2,3}
{x _{2,3} , y _{1,2} } \[Mapsto] 0	{x _{2,3} , y _{1,3} } \[Mapsto] y _{1,2}	{x _{2,3} , y _{2,3} } \[Mapsto] \epsilon x _{2,2} - \epsilon x _{3,3}	{x _{2,3} , x _{1,1} } \[Mapsto] 0
{x _{3,3} , y _{1,2} } \[Mapsto] 0	{x _{3,3} , y _{1,3} } \[Mapsto] y _{1,3}	{x _{3,3} , y _{2,3} } \[Mapsto] y _{2,3}	{x _{3,3} , x _{1,1} } \[Mapsto] 0

```

In[ ]:= DeleteCases[Flatten[Table[{a, b, c} \[Mapsto] B[a, B[b, c]] + B[b, B[c, a]] + B[c, B[a, b]],
  {a, $Basis}, {b, $Basis}, {c, $Basis}]], _ \[Mapsto] 0]

```

Out[]=

{ }

```

In[*]:= $k = 0;
{sol0} = Simplify@DSolve[
  lhs = λTangent[
    Join[λ$Basis ($Basis /. {x → ξ1, y → η1}), λ$Basis ($Basis /. {x → ξ2, y → η2})]
  ];
  rhs = λTangent@($Basis ($Basis /. {xα, α → CF[fα,α[λ]], xαβ → fαβ[λ], yαβ → gαβ[λ]}));
  Join[
    (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
    $Basis /. {xαβ → fαβ[0] == 0, yαβ → gαβ[0] == 0}
  ],
  $Basis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]},
  λ
]

Out[*]= {
  {f1,1[λ] → λ (ξ1,1 + ξ2,1), f2,2[λ] → λ (ξ1,2 + ξ2,2),
  f1,2[λ] → e-λ ξ2,1 λ ξ1,2 + e-λ ξ1,2 λ ξ2,2, f3,3[λ] → λ (ξ1,3 + ξ2,3),
  f2,3[λ] → e-λ ξ2,2 λ ξ1,3 + e-λ ξ1,3 λ ξ2,3, f1,3[λ] → λ (e-λ ξ2,1 ξ1,3 - λ ξ1,2 ξ2,1 + e-λ ξ1,3 ξ2,1),
  g1,2[λ] → λ (η1,2 + eλ (-ξ1,1 + ξ1,2) (η2,2 + eλ ξ1,3 λ η2,1 ξ1,2)),
  g1,3[λ] → λ (η1,3 + eλ (-ξ1,1 + ξ1,3) η2,1),
  g2,3[λ] → λ (η1,3 + eλ (-ξ1,2 + ξ1,3) η2,3 - eλ ξ1,3 λ η2,1 ξ1,2) } }

In[*]:= $k = 1;
SBasis = SortBy[$Basis, If[#[[1]] == x, {0, #[[3]] - #[[2]]}, {1, #[[2]] - #[[3]]}] &];
lhs = λTangent[
  Join[λ$Basis ($Basis /. {x → ξ1, y → η1}), λ$Basis ($Basis /. {x → ξ2, y → η2})]
];
rhs = λTangent[
  $Basis ($Basis /. {xα, α → CF[fα,α[λ]], xαβ → fαβ[λ], yαβ → gαβ[λ]}) /.
  (sol0 /. ((a → b) → (a → e a + b)))
];
eqns = Transpose@{
  (Coefficient[CF[lhs - rhs], #] == 0) & /@ SBasis,
  SBasis /. {xαβ → fαβ[0] == 0, yαβ → gαβ[0] == 0}
};
unknowns = SBasis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]};
(*{sol1}=DSolve[Flatten@eqns, unknowns, λ] *)
sol1 = TriangularDSolve[eqns, unknowns, λ]

» {2 eλ ξ1,2 ∈ λ η2,2 ξ1,2 + 2 eλ ξ1,3 ∈ λ η2,1 ξ1,3 + eλ ξ1,2 ∈ λ2 η2,2 ξ1,2 ξ1,2 +
  3 eλ ξ1,2 + λ ξ1,3 ∈ λ2 η2,1 ξ1,2 ξ1,2 + eλ ξ1,2 + λ ξ1,3 ∈ λ3 η2,1 ξ1,2 ξ1,2 ξ1,2 +
  eλ ξ1,3 ∈ λ2 η2,1 ξ1,3 ξ1,3 + eλ ξ1,2 + λ ξ1,3 ∈ λ3 η2,1 ξ1,2 ξ1,2 ξ1,3 - f1,1'[λ] == 0, f1,1[0] == 0}

» {f1,1[λ] → eλ ξ1,2 λ2 η2,2 ξ1,2 + eλ ξ1,3 λ2 η2,1 ξ1,3 + eλ ξ1,2 + λ ξ1,3 λ3 η2,1 ξ1,2 ξ1,2 ξ1,2}

» {-2 eλ ξ1,2 ∈ λ η2,2 ξ1,2 - eλ ξ1,2 ∈ λ2 η2,2 ξ1,2 ξ1,2 + 2 eλ ξ1,3 ∈ λ η2,3 ξ1,2 ξ1,2 -
  3 eλ ξ1,2 + λ ξ1,3 ∈ λ2 η2,1 ξ1,2 ξ1,2 - eλ ξ1,2 + λ ξ1,3 ∈ λ3 η2,1 ξ1,2 ξ1,2 ξ1,2 +
  eλ ξ1,3 ∈ λ2 η2,3 ξ1,2 ξ1,3 - eλ ξ1,2 + λ ξ1,3 ∈ λ3 η2,1 ξ1,2 ξ1,2 ξ1,3 - f2,2'[λ] == 0, f2,2[0] == 0}

```

<https://drorbn.net/AcademicPensieve/Projects/SolvablePBW/Archive/#MathematicaNotebooks>

[illegible]

[illegible]

Out[*]=

$$\begin{aligned}
&\{f_{1,1}[\lambda] \rightarrow e^{\lambda \xi_{1,2}} \lambda^2 \eta_{2,2} \xi_{1,2} + e^{\lambda \xi_{1,3}} \lambda^2 \eta_{2,3} \xi_{1,3} + e^{\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \xi_{1,2} \xi_{1,3}, \\
&f_{2,2}[\lambda] \rightarrow -e^{\lambda \xi_{1,2}} \lambda^2 \eta_{2,2} \xi_{1,2} + e^{\lambda \xi_{1,3}} \lambda^2 \eta_{2,3} \xi_{1,2,3} - e^{\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \xi_{1,2} \xi_{1,3}, \\
&f_{3,3}[\lambda] \rightarrow -e^{\lambda \xi_{1,3}} \lambda^2 \eta_{2,3} \xi_{1,3} - e^{\lambda \xi_{1,3}} \lambda^2 \eta_{2,3} \xi_{1,2,3}, \\
&f_{1,2}[\lambda] \rightarrow e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} - \lambda \xi_{2,1}} \lambda^2 \eta_{2,3} \xi_{1,3} - e^{\lambda \xi_{1,3} - \lambda \xi_{2,1}} \lambda^3 \eta_{2,3} \xi_{1,2} \xi_{1,3} + \\
&\quad \lambda^3 \eta_{2,2} \xi_{1,2} \xi_{2,2} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \xi_{1,2,3} \xi_{2,2} + e^{\lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,2}, \\
&f_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{2,2}} \lambda^2 \eta_{2,2} \xi_{1,3} + \lambda^3 \eta_{2,3} \xi_{1,3} \xi_{2,3} + \lambda^3 \eta_{2,3} \xi_{1,2,3} \xi_{2,3}, \\
&f_{1,3}[\lambda] \rightarrow \lambda^3 \eta_{2,2} \xi_{1,3} \xi_{2,2} + \lambda^3 \eta_{2,3} \xi_{1,3} \xi_{2,3} + \lambda^3 \eta_{2,3} \xi_{1,2,3} \xi_{2,3}, \quad g_{1,3}[\lambda] \rightarrow \\
&\quad e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2} - e^{-\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,3} + \\
&\quad e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,2} \xi_{1,3}, \\
&g_{1,2}[\lambda] \rightarrow -e^{-\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,2} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,3} - \\
&\quad 2 e^{-\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{1,3} - \\
&\quad e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,1} + 2\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,2} \xi_{1,3}, \\
&g_{2,3}[\lambda] \rightarrow e^{\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2} - e^{-\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,3} + \\
&\quad e^{2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,3} \xi_{1,2} \xi_{1,3} - e^{-\lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,2,3} \xi_{1,3} + e^{2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3}\}
\end{aligned}$$

In[*]:= **SetAlgebra**[**gl_{3,ε}**];**\$k = 1****\$PBWRule****MatrixForm**@**Table**[**{b1, b2}** → **B[b1, b2]**, **{b1, \$Basis}**, **{b2, \$Basis}**]

Out[*]=

1

Out[*]=

{**y_{2,3}** → **1**, **y_{1,2}** → **2**, **y_{1,3}** → **3**, **x_{1,3}** → **4**, **x_{2,3}** → **5**, **x_{1,2}** → **6**, **x_{3,3}** → **7**, **x_{2,2}** → **8**, **x_{1,1}** → **9**}Out[*]//**MatrixForm**=

$$\begin{array}{cccc}
\{y_{2,3}, y_{2,3}\} \rightarrow 0 & \{y_{2,3}, y_{1,2}\} \rightarrow -y_{1,3} & \{y_{2,3}, y_{1,3}\} \rightarrow 0 & \{y_{2,3}, x_{1,3}\} \rightarrow 0 \\
\{y_{1,2}, y_{2,3}\} \rightarrow y_{1,3} & \{y_{1,2}, y_{1,2}\} \rightarrow 0 & \{y_{1,2}, y_{1,3}\} \rightarrow 0 & \{y_{1,2}, x_{1,3}\} \rightarrow 0 \\
\{y_{1,3}, y_{2,3}\} \rightarrow 0 & \{y_{1,3}, y_{1,2}\} \rightarrow 0 & \{y_{1,3}, y_{1,3}\} \rightarrow 0 & \{y_{1,3}, x_{1,3}\} \rightarrow -\epsilon \\
\{x_{1,3}, y_{2,3}\} \rightarrow x_{1,2} & \{x_{1,3}, y_{1,2}\} \rightarrow -x_{2,3} & \{x_{1,3}, y_{1,3}\} \rightarrow x_{1,1} - x_{3,3} & \{x_{1,3}, x_{1,3}\} \rightarrow 0 \\
\{x_{2,3}, y_{2,3}\} \rightarrow x_{2,2} - x_{3,3} & \{x_{2,3}, y_{1,2}\} \rightarrow 0 & \{x_{2,3}, y_{1,3}\} \rightarrow y_{1,2} & \{x_{2,3}, x_{1,3}\} \rightarrow 0 \\
\{x_{1,2}, y_{2,3}\} \rightarrow 0 & \{x_{1,2}, y_{1,2}\} \rightarrow x_{1,1} - x_{2,2} & \{x_{1,2}, y_{1,3}\} \rightarrow -y_{2,3} & \{x_{1,2}, x_{1,3}\} \rightarrow 0 \\
\{x_{3,3}, y_{2,3}\} \rightarrow y_{2,3} & \{x_{3,3}, y_{1,2}\} \rightarrow 0 & \{x_{3,3}, y_{1,3}\} \rightarrow y_{1,3} & \{x_{3,3}, x_{1,3}\} \rightarrow 0 \\
\{x_{2,2}, y_{2,3}\} \rightarrow -y_{2,3} & \{x_{2,2}, y_{1,2}\} \rightarrow y_{1,2} & \{x_{2,2}, y_{1,3}\} \rightarrow 0 & \{x_{2,2}, x_{1,3}\} \rightarrow 0 \\
\{x_{1,1}, y_{2,3}\} \rightarrow 0 & \{x_{1,1}, y_{1,2}\} \rightarrow -y_{1,2} & \{x_{1,1}, y_{1,3}\} \rightarrow -y_{1,3} & \{x_{1,1}, x_{1,3}\} \rightarrow 0
\end{array}$$

In[*]:= **\$Basis**

Out[*]=

{**y_{2,3}**, **y_{1,2}**, **y_{1,3}**, **x_{1,3}**, **x_{2,3}**, **x_{1,2}**, **x_{3,3}**, **x_{2,2}**, **x_{1,1}**}In[*]:= **SortBy**[**\$Basis**, **If**[**#**[[1]] === **x**, **{0, #**[[3]] - **#**[[2]], **{1, #**[[2]] - **#**[[3]]}] &]

Out[*]=

{**x_{1,1}**, **x_{2,2}**, **x_{3,3}**, **x_{1,2}**, **x_{2,3}**, **x_{1,3}**, **y_{1,3}**, **y_{1,2}**, **y_{2,3}**}

```

In[*]:= SBasis = SortBy[$Basis, If[#[[1]] === x, {0, #[[3]] - #[[2]]}, {1, #[[2]] - #[[3]]}] &];
sol[-1] = 0 SBasis;
Do[
  Block[{ $k = k },
    s0 = Thread[SBasis → sol[k - 1]];
    lhs = λTangent[
      Join[λ $Basis ($Basis /. {x → ξ1, y → η1}), λ $Basis ($Basis /. {x → ξ2, y → η2})]
    ];
    rhs = λTangent[
      $Basis ($Basis /. {xαβ → (xαβ /. s0) + εk fαβ[λ], yαβ → (yαβ /. s0) + εk gαβ[λ]})
    ];
    Echo@"computed lhs and rhs";
    eqns = EchoLabel["eqns"]@Transpose@{
      (Coefficient[CF[lhs - rhs], #] == 0) & /@ SBasis,
      SBasis /. {xαβ → fαβ[0] == 0, yαβ → gαβ[0] == 0}
    };
    unknowns = SBasis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]};
    s = TriangularDSolve[eqns, unknowns, λ];
    sol[k] = CF@Together[sol[k - 1] + εk (SBasis /. {xαβ → fαβ[λ], yαβ → gαβ[λ]} /. s)]
  ],
  {k, 0, $k}
];
sol[$k].SBasis
» computed lhs and rhs

```

- » eqns $\{ \{ \xi_{1,1} + \xi_{2,1} - f_{1,1}'[\lambda] = 0, f_{1,1}[0] = 0 \},$
 $\{ \xi_{1,2} + \xi_{2,2} - f_{2,2}'[\lambda] = 0, f_{2,2}[0] = 0 \}, \{ \xi_{1,3} + \xi_{2,3} - f_{3,3}'[\lambda] = 0, f_{3,3}[0] = 0 \},$
 $\{ e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,2}} \xi_{1,2} + e^{-\lambda \xi_{2,1} + \lambda \xi_{2,2}} \xi_{2,2} + e^{-\lambda \xi_{2,1} + \lambda \xi_{2,2}} \lambda \xi_{1,1} \xi_{2,1,2} -$
 $e^{-\lambda \xi_{2,1} + \lambda \xi_{2,2}} \lambda \xi_{1,2} \xi_{2,1,2} - e^{-f_{1,1}[\lambda] + f_{2,2}[\lambda]} f_{1,2}'[\lambda] = 0, f_{1,2}[0] = 0 \},$
 $\{ e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} - \lambda \xi_{2,2} + \lambda \xi_{2,3}} \xi_{1,3} + e^{-\lambda \xi_{2,2} + \lambda \xi_{2,3}} \xi_{2,3} + e^{-\lambda \xi_{2,2} + \lambda \xi_{2,3}} \lambda \xi_{1,2} \xi_{2,2,3} -$
 $e^{-\lambda \xi_{2,2} + \lambda \xi_{2,3}} \lambda \xi_{1,3} \xi_{2,2,3} - e^{-f_{2,2}[\lambda] + f_{3,3}[\lambda]} f_{2,3}'[\lambda] = 0, f_{2,3}[0] = 0 \},$
 $\{ e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \xi_{1,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda \xi_{1,2} \xi_{1,2,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda \xi_{1,2,2} \xi_{2,1,2} +$
 $e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda \xi_{1,1,2} \xi_{2,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{2,3}} \lambda \xi_{1,2} \xi_{2,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{2,3}} \lambda^2 \xi_{1,2} \xi_{2,1,2} \xi_{2,2,3} +$
 $e^{-\lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda^2 \xi_{1,3} \xi_{2,1,2} \xi_{2,2,3} - e^{-f_{1,1}[\lambda] + f_{3,3}[\lambda]} f_{1,3}'[\lambda] + e^{-f_{1,1}[\lambda] + f_{3,3}[\lambda]} f_{1,2}[\lambda] f_{2,3}'[\lambda] = 0,$
 $f_{1,3}[0] = 0 \}, \{ e^{\lambda \xi_{1,1} - \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,3}} \eta_{1,1,3} + e^{\lambda \xi_{2,1} - \lambda \xi_{2,3}} \eta_{2,1,3} - e^{\lambda \xi_{2,1} - \lambda \xi_{2,3}} \lambda \eta_{2,1,3} \xi_{1,1,1} +$
 $e^{\lambda \xi_{2,1} - \lambda \xi_{2,3}} \lambda \eta_{2,1,3} \xi_{1,3,3} - e^{f_{1,1}[\lambda] - f_{3,3}[\lambda]} g_{1,3}'[\lambda] = 0, g_{1,3}[0] = 0 \},$
 $\{ e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \eta_{1,1,2} + e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \eta_{2,1,2} - e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda \eta_{2,1,2} \xi_{1,1,1} + e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda \eta_{2,1,2} \xi_{1,2,2} -$
 $e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda \eta_{1,1,3} \xi_{1,2,3} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda \eta_{2,1,3} \xi_{1,2,3} -$
 $e^{\lambda \xi_{1,1} - \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda \eta_{1,1,3} \xi_{2,2,3} - e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda \eta_{2,1,3} \xi_{2,2,3} + e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda^2 \eta_{2,1,3} \xi_{1,1,1} \xi_{2,2,3} -$
 $e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \lambda^2 \eta_{2,1,3} \xi_{1,3,3} \xi_{2,2,3} - e^{f_{1,1}[\lambda] - f_{2,2}[\lambda]} g_{1,2}'[\lambda] + e^{f_{1,1}[\lambda] - f_{2,2}[\lambda]} f_{2,3}[\lambda] g_{1,3}'[\lambda] = 0,$
 $g_{1,2}[0] = 0 \}, \{ e^{\lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \eta_{1,2,3} + e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \eta_{2,2,3} + e^{\lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda \eta_{1,1,3} \xi_{1,1,2} -$
 $e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda \eta_{2,1,3} \xi_{1,1,2} - e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda \eta_{2,2,3} \xi_{1,2,2} +$
 $e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda \eta_{2,2,3} \xi_{1,3,3} + e^{\lambda \xi_{1,1} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda \eta_{1,1,3} \xi_{2,1,2} + e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda \eta_{2,1,3} \xi_{2,1,2} -$
 $e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,1} \xi_{2,1,2} + e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \lambda^2 \eta_{2,1,3} \xi_{1,3,3} \xi_{2,1,2} -$
 $e^{f_{2,2}[\lambda] - f_{3,3}[\lambda]} f_{1,2}[\lambda] g_{1,3}'[\lambda] - e^{f_{2,2}[\lambda] - f_{3,3}[\lambda]} g_{2,3}'[\lambda] = 0, g_{2,3}[0] = 0 \} \}$
- » $\{ \xi_{1,1} + \xi_{2,1} - f_{1,1}'[\lambda] = 0, f_{1,1}[0] = 0 \}$
- » $\{ f_{1,1}[\lambda] \rightarrow \lambda \xi_{1,1} + \lambda \xi_{2,1} \}$
- » $\{ \xi_{1,2} + \xi_{2,2} - f_{2,2}'[\lambda] = 0, f_{2,2}[0] = 0 \}$
- » $\{ f_{1,1}[\lambda] \rightarrow \lambda \xi_{1,1} + \lambda \xi_{2,1}, f_{2,2}[\lambda] \rightarrow \lambda \xi_{1,2} + \lambda \xi_{2,2} \}$
- » $\{ \xi_{1,3} + \xi_{2,3} - f_{3,3}'[\lambda] = 0, f_{3,3}[0] = 0 \}$
- » $\{ f_{1,1}[\lambda] \rightarrow \lambda \xi_{1,1} + \lambda \xi_{2,1}, f_{2,2}[\lambda] \rightarrow \lambda \xi_{1,2} + \lambda \xi_{2,2}, f_{3,3}[\lambda] \rightarrow \lambda \xi_{1,3} + \lambda \xi_{2,3} \}$
- » $\{ e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,2}} \xi_{1,2} + e^{-\lambda \xi_{2,1} + \lambda \xi_{2,2}} \xi_{2,2} + e^{-\lambda \xi_{2,1} + \lambda \xi_{2,2}} \lambda \xi_{1,1} \xi_{2,1,2} -$
 $e^{-\lambda \xi_{2,1} + \lambda \xi_{2,2}} \lambda \xi_{1,2} \xi_{2,1,2} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,2}} f_{1,2}'[\lambda] = 0, f_{1,2}[0] = 0 \}$
- » $\{ f_{1,1}[\lambda] \rightarrow \lambda \xi_{1,1} + \lambda \xi_{2,1}, f_{2,2}[\lambda] \rightarrow \lambda \xi_{1,2} + \lambda \xi_{2,2},$
 $f_{3,3}[\lambda] \rightarrow \lambda \xi_{1,3} + \lambda \xi_{2,3}, f_{1,2}[\lambda] \rightarrow \lambda \xi_{1,2} + e^{\lambda \xi_{1,1} - \lambda \xi_{1,2}} \lambda \xi_{2,1,2} \}$
- » $\{ e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} - \lambda \xi_{2,2} + \lambda \xi_{2,3}} \xi_{1,3} + e^{-\lambda \xi_{2,2} + \lambda \xi_{2,3}} \xi_{2,3} + e^{-\lambda \xi_{2,2} + \lambda \xi_{2,3}} \lambda \xi_{1,2} \xi_{2,2,3} -$
 $e^{-\lambda \xi_{2,2} + \lambda \xi_{2,3}} \lambda \xi_{1,3} \xi_{2,2,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} - \lambda \xi_{2,2} + \lambda \xi_{2,3}} f_{2,3}'[\lambda] = 0, f_{2,3}[0] = 0 \}$
- » $\{ f_{1,1}[\lambda] \rightarrow \lambda \xi_{1,1} + \lambda \xi_{2,1}, f_{2,2}[\lambda] \rightarrow \lambda \xi_{1,2} + \lambda \xi_{2,2}, f_{3,3}[\lambda] \rightarrow \lambda \xi_{1,3} + \lambda \xi_{2,3},$
 $f_{1,2}[\lambda] \rightarrow \lambda \xi_{1,2} + e^{\lambda \xi_{1,1} - \lambda \xi_{1,2}} \lambda \xi_{2,1,2}, f_{2,3}[\lambda] \rightarrow \lambda \xi_{1,3} + e^{\lambda \xi_{1,2} - \lambda \xi_{1,3}} \lambda \xi_{2,2,3} \}$
- » $\{ e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \xi_{1,3} + e^{-\lambda \xi_{2,1} + \lambda \xi_{2,3}} \xi_{2,3} + e^{-\lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda \xi_{1,1} \xi_{2,1,3} - e^{-\lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda \xi_{1,3} \xi_{2,1,3} +$
 $2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda \xi_{1,1,2} \xi_{2,2,3} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3} -$
 $e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} \lambda^2 \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} - \lambda \xi_{2,1} + \lambda \xi_{2,3}} f_{1,3}'[\lambda] = 0, f_{1,3}[0] = 0 \}$
- » $\{ f_{1,1}[\lambda] \rightarrow \lambda \xi_{1,1} + \lambda \xi_{2,1}, f_{2,2}[\lambda] \rightarrow \lambda \xi_{1,2} + \lambda \xi_{2,2}, f_{3,3}[\lambda] \rightarrow \lambda \xi_{1,3} + \lambda \xi_{2,3},$
 $f_{1,2}[\lambda] \rightarrow \lambda \xi_{1,2} + e^{\lambda \xi_{1,1} - \lambda \xi_{1,2}} \lambda \xi_{2,1,2}, f_{2,3}[\lambda] \rightarrow \lambda \xi_{1,3} + e^{\lambda \xi_{1,2} - \lambda \xi_{1,3}} \lambda \xi_{2,2,3},$
 $f_{1,3}[\lambda] \rightarrow \lambda \xi_{1,3} + e^{\lambda \xi_{1,1} - \lambda \xi_{1,3}} \lambda \xi_{2,1,3} + e^{\lambda \xi_{1,2} - \lambda \xi_{1,3}} \lambda^2 \xi_{1,1,2} \xi_{2,2,3} \}$

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$$\begin{aligned}
& \left(12 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^{11} \right) / \\
& \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
& \left(64 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^{11} \right) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
& \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \left(64 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^{11} \right) / \\
& \quad \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
& \left(4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^{11} \right) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
& \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \left(4768 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3,3}^{12} \right) / \\
& \quad \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \\
& \left(1280 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,2} \xi_{1,3,3}^{12} \right) / \\
& \quad \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
& \left(224 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^{12} \right) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
& \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \left(832 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,3,3}^{13} \right) / \\
& \quad \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
& \left(64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^{13} \right) / \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 \right. \\
& \quad \left. (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) - \left(64 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,3,3}^{14} \right) / \\
& \quad \left((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 \right) + \\
& \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \frac{e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \\
& \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} - \frac{e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
& \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} + \frac{e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,3,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{2 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} -
\end{aligned}$$

$$\begin{aligned}
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} - \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} \} \\
& \gg \left\{ -3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2}^2 \xi_{1,1,2} + \right. \\
& 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} - 3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} + \\
& 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2} - \\
& e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2} - 2 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,3} + \\
& e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} - \\
& 2 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3} + 3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} + \\
& 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} - \\
& 4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,3} + \\
& 2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,3} - \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \\
& \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1,1} - \xi_{1,2,2}} + 2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} - \\
& e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} + \\
& \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,1,1} + \xi_{1,2,2}} - \\
& \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} - 2 e^{-\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}^2 + \\
& e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3}^2 + \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,3}^2}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2} - \\
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2} + \\
& \frac{2 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,3}^2}{\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2} \xi_{1,3}^2}{\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}-\xi_{1,3})^3} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,3})^3} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1}-\xi_{1,3}} + \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}^2}{\xi_{1,1}-\xi_{1,3}} - \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^2} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}} - \\
& \frac{4 e^{\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,2}-\xi_{1,3})^3} - \\
& \frac{4 e^{\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}^2}{\xi_{1,2}-\xi_{1,3}} - \\
& e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,3,3} - e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} - \\
& e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3} - \\
& 2 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3} -
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{20 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2} + \\
& \frac{2 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{(\xi_{1,1}-\xi_{1,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}-\xi_{1,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,2}-\xi_{1,3})^3} - \\
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,3}^2 \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{-\xi_{1,1}+\xi_{1,3}} + \\
& \frac{3 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{-\xi_{1,1}+\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,3}^2}{-\xi_{1,1}+\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}-\xi_{1,3})(-\xi_{1,1}+\xi_{1,3})} + \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,3})(-\xi_{1,1}+\xi_{1,3})} - \\
& \frac{3 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{-\xi_{1,1}+\xi_{1,3}} -
\end{aligned}$$

$$\begin{aligned}
& \frac{2 e^{\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,2,2}+\xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,3}^2}{-\xi_{1,2,2}+\xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3}^2}{(\xi_{1,2,2}-\xi_{1,3,3})(-\xi_{1,2,2}+\xi_{1,3,3})} + \\
& \frac{2 e^{\lambda \xi_{1,1}-2 \lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,3} \xi_{1,3,3}}{-\xi_{1,2,2}+\xi_{1,3,3}} + \\
& \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(2 \xi_{1,1,1}-\xi_{1,2,2}-\xi_{1,3,3})^2(-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1,1}-\xi_{1,2,2}-\xi_{1,3,3})^2(-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(2 \xi_{1,1,1}-\xi_{1,2,2}-\xi_{1,3,3})(-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(2 \xi_{1,1,1}-\xi_{1,2,2}-\xi_{1,3,3})(-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3})} - \\
& \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1,1}-\xi_{1,2,2}-\xi_{1,3,3})^2(-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(2 \xi_{1,1,1}-\xi_{1,2,2}-\xi_{1,3,3})(-2 \xi_{1,1,1}+\xi_{1,2,2}+\xi_{1,3,3})} + \\
& \frac{3 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{-\xi_{1,1,1}-\xi_{1,2,2}+2 \xi_{1,3,3}} - \\
& \frac{3 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{-\xi_{1,1,1}-\xi_{1,2,2}+2 \xi_{1,3,3}} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{(\xi_{1,1,1}+\xi_{1,2,2}-2 \xi_{1,3,3})^2(-\xi_{1,1,1}-\xi_{1,2,2}+2 \xi_{1,3,3})} - \\
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1}+\xi_{1,2,2}-2 \xi_{1,3,3})^2(-\xi_{1,1,1}-\xi_{1,2,2}+2 \xi_{1,3,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2}{(\xi_{1,1,1}+\xi_{1,2,2}-2 \xi_{1,3,3})(-\xi_{1,1,1}-\xi_{1,2,2}+2 \xi_{1,3,3})} - \\
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}^2}{(\xi_{1,1,1}+\xi_{1,2,2}-2 \xi_{1,3,3})(-\xi_{1,1,1}-\xi_{1,2,2}+2 \xi_{1,3,3})} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{12,2}+2 \lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,3} \eta_{22,3} \xi_{12,3}^2 \xi_{13,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})^2(-\xi_{11,1}-\xi_{12,2}+2 \xi_{13,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{12,2}+2 \lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{21,3} \eta_{22,3} \xi_{12,3}^2 \xi_{13,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})(-\xi_{11,1}-\xi_{12,2}+2 \xi_{13,3})} - 2 e^{\lambda \xi_{11,1}-\lambda \xi_{12,2}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{11,2} \eta_{22,3} \xi_{22,3} + \\
& 3 e^{\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^3 \eta_{11,2} \eta_{21,3} \xi_{11,2} \xi_{22,3} + 4 e^{-\lambda \xi_{11,1}+\lambda \xi_{12,2}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^3 \eta_{21,2} \eta_{21,3} \xi_{11,2} \xi_{22,3} - \\
& \frac{4 e^{\lambda \xi_{12,2}-\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{11,3} \eta_{21,2} \xi_{11,1} \xi_{11,2} \xi_{22,3}}{(\xi_{11,1}-\xi_{12,2})^3} - \\
& \frac{4 e^{\lambda \xi_{12,2}-\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{11,3} \eta_{21,2} \xi_{11,2} \xi_{22,3}}{\xi_{11,1}-\xi_{12,2}} + \\
& \frac{4 e^{\lambda \xi_{12,2}-\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{11,3} \eta_{21,2} \xi_{11,2} \xi_{12,2} \xi_{22,3}}{(\xi_{11,1}-\xi_{12,2})^3} - \\
& \frac{4 e^{\lambda \xi_{12,2}-\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{11,3} \eta_{21,2} \xi_{11,2} \xi_{22,3}}{-\xi_{11,1}+\xi_{12,2}} - \\
& \frac{4 e^{\lambda \xi_{12,2}-\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{11,3} \eta_{21,2} \xi_{11,2} \xi_{22,3}}{(\xi_{11,1}-\xi_{12,2})(-\xi_{11,1}+\xi_{12,2})} + e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^3 \eta_{21,3} \eta_{22,3} \xi_{12,3} \xi_{22,3} + \\
& \frac{4 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,3} \eta_{22,3} \xi_{11,1}^2 \xi_{12,3} \xi_{22,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,3} \eta_{22,3} \xi_{11,1} \xi_{12,2} \xi_{12,3} \xi_{22,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,3} \eta_{22,3} \xi_{12,2}^2 \xi_{12,3} \xi_{22,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{21,3} \eta_{22,3} \xi_{11,1} \xi_{12,3} \xi_{22,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})^2} - \\
& \frac{8 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{21,3} \eta_{22,3} \xi_{12,2} \xi_{12,3} \xi_{22,3}}{(\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3})^2} + \\
& \frac{2 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^3 \eta_{21,3} \eta_{22,3} \xi_{11,1} \xi_{12,3} \xi_{22,3}}{\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3}} - \\
& \frac{4 e^{-\lambda \xi_{12,2}+\lambda \xi_{13,3}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^3 \eta_{21,3} \eta_{22,3} \xi_{12,2} \xi_{12,3} \xi_{22,3}}{\xi_{11,1}+\xi_{12,2}-2 \xi_{13,3}} + \frac{4 e^{\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{11,2} \eta_{21,3} \xi_{11,1} \xi_{11,2} \xi_{22,3}}{(\xi_{11,1}-\xi_{13,3})^3} + \\
& \frac{4 e^{\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{12,3} \eta_{21,3} \xi_{11,1} \xi_{12,3} \xi_{22,3}}{(\xi_{11,1}-\xi_{13,3})^3} + \frac{4 e^{\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{11,2} \eta_{21,3} \xi_{11,2} \xi_{22,3}}{\xi_{11,1}-\xi_{13,3}} + \\
& \frac{4 e^{\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda^2 \eta_{12,3} \eta_{21,3} \xi_{12,3} \xi_{22,3}}{\xi_{11,1}-\xi_{13,3}} - \frac{8 e^{-\lambda \xi_{11,1}+\lambda \xi_{12,2}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,2} \eta_{21,3} \xi_{11,1}^2 \xi_{11,2} \xi_{22,3}}{(2 \xi_{11,1}-\xi_{12,2}-\xi_{13,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{11,1}+\lambda \xi_{12,2}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,2} \eta_{21,3} \xi_{11,1} \xi_{11,2} \xi_{12,2} \xi_{22,3}}{(2 \xi_{11,1}-\xi_{12,2}-\xi_{13,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{11,1}+\lambda \xi_{12,2}+\lambda \xi_{21,1}-\lambda \xi_{22,2}} \in \lambda \eta_{21,2} \eta_{21,3} \xi_{11,2} \xi_{12,2}^2 \xi_{22,3}}{(2 \xi_{11,1}-\xi_{12,2}-\xi_{13,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,2} - \xi_{1,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{\xi_{1,2} - \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2} + \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} - \xi_{1,3})^3} - \frac{4 e^{\lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{1,3} \xi_{2,3}}{(\xi_{1,1} - \xi_{1,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}} + \\
& \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,3}}{(\xi_{1,2} - \xi_{1,3})^3} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{1,3}^2 \xi_{2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,1} - \lambda \xi_{2,2}} \in \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}^2 \xi_{2,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{-\xi_{1,1} + \xi_{1,3,3}} + \frac{3 e^{\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,3}}{-\xi_{1,1} + \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,3} \eta_{2,3} \xi_{1,2,3} \xi_{2,2,3}}{-\xi_{1,1} + \xi_{1,3,3}} + \frac{4 e^{\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{2,3}}{(\xi_{1,1} - \xi_{1,3,3}) (-\xi_{1,1} + \xi_{1,3,3})} + \\
& \frac{4 e^{\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,3} \eta_{2,3} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1} - \xi_{1,3,3}) (-\xi_{1,1} + \xi_{1,3,3})} - \frac{3 e^{\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,2} \xi_{1,3,3} \xi_{2,2,3}}{-\xi_{1,1} + \xi_{1,3,3}} - \\
& \frac{2 e^{\lambda \xi_{1,1}-\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2,2} \xi_{2,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{1,1}-\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,3} \xi_{2,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{1,1}-\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} + \frac{2 e^{\lambda \xi_{1,1}-\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,3,3} \xi_{2,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,2,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,2,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}) (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} + \\
& \frac{3 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} - \\
& \frac{3 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}+\lambda \xi_{2,1}-\lambda \xi_{2,2}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3} + \lambda \xi_{21,1} - \lambda \xi_{22,2}} \in \lambda \eta_{21,3} \eta_{22,3} \xi_{12,3} \xi_{13,3} \xi_{22,3}}{(\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^2 (-\xi_{11,1} - \xi_{12,2} + 2 \xi_{13,3})} + \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3} + \lambda \xi_{21,1} - \lambda \xi_{22,2}} \in \lambda^2 \eta_{21,3} \eta_{22,3} \xi_{12,3} \xi_{13,3} \xi_{22,3}}{(\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3}) (-\xi_{11,1} - \xi_{12,2} + 2 \xi_{13,3})} - \\
& e^{\lambda \xi_{11,1} - \lambda \xi_{12,2} + \lambda \xi_{21,1} - \lambda \xi_{22,2}} \in \mathbf{g}_{1,2}'[\lambda] = \mathbf{0}, \mathbf{g}_{1,2}[\mathbf{0}] = \mathbf{0} \} \\
\gg & \left\{ \begin{aligned}
& \mathbf{f}_{1,1}[\lambda] \rightarrow e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{21,2} \xi_{11,2} + e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^2 \eta_{21,3} \xi_{11,3}, \\
& \mathbf{f}_{2,2}[\lambda] \rightarrow -e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{21,2} \xi_{11,2} + e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{22,3} \xi_{12,3} - e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{21,3} \xi_{11,2} \xi_{12,3}, \\
& \mathbf{f}_{3,3}[\lambda] \rightarrow -e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^2 \eta_{21,3} \xi_{11,3} - e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{22,3} \xi_{12,3} + e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{21,3} \xi_{11,2} \xi_{12,3}, \\
& \mathbf{f}_{1,2}[\lambda] \rightarrow e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^3 \eta_{21,2} \xi_{11,2}^2 + e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{22,3} \xi_{11,3} - e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{22,3} \xi_{11,2} \xi_{12,3} + \\
& e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^4 \eta_{21,3} \xi_{11,2}^2 \xi_{12,3} + 2 \lambda^3 \eta_{21,2} \xi_{11,2} \xi_{21,2} + e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{21,3} \xi_{11,3} \xi_{21,2} - \\
& e^{\lambda \xi_{11,1} - 2 \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{22,3} \xi_{12,3} \xi_{21,2} + e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^4 \eta_{21,3} \xi_{11,2} \xi_{12,3} \xi_{21,2}, \\
& \mathbf{f}_{2,3}[\lambda] \rightarrow -e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{21,2} \xi_{11,3} + e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{22,3} \xi_{12,3}^2 - e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^4 \eta_{21,3} \xi_{11,2} \xi_{12,3}^2 - \\
& e^{-\lambda \xi_{11,1} + 2 \lambda \xi_{12,2} - \lambda \xi_{13,3}} \lambda^3 \eta_{21,2} \xi_{11,2} \xi_{22,3} + e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^3 \eta_{21,3} \xi_{11,3} \xi_{22,3} + \\
& 2 \lambda^3 \eta_{22,3} \xi_{12,3} \xi_{22,3} - 2 e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^4 \eta_{21,3} \xi_{11,2} \xi_{12,3} \xi_{22,3}, \\
& \mathbf{f}_{1,3}[\lambda] \rightarrow e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{21,3} \xi_{11,3}^2 + e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{22,3} \xi_{11,3} \xi_{12,3} - \\
& e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \lambda^4 \eta_{21,3} \xi_{11,2} \xi_{13,3} \xi_{12,3} + e^{\lambda \xi_{12,2} - \lambda \xi_{13,3}} \lambda^3 \eta_{21,2} \xi_{11,2} \xi_{21,3} + 2 \lambda^3 \eta_{21,3} \xi_{11,3} \xi_{21,3} + \\
& e^{\lambda \xi_{11,1} - \lambda \xi_{12,2}} \lambda^3 \eta_{22,3} \xi_{12,3} \xi_{21,3} - \lambda^4 \eta_{21,3} \xi_{11,2} \xi_{12,3} \xi_{21,3} + \lambda^3 \eta_{22,3} \xi_{11,3} \xi_{22,3} + \\
& e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^4 \eta_{21,3} \xi_{11,2} \xi_{13,3} \xi_{22,3} + \lambda^4 \eta_{22,3} \xi_{11,2} \xi_{12,3} \xi_{22,3} - e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^5 \eta_{21,3} \xi_{11,2}^2 \xi_{12,3} \xi_{22,3}, \\
& \mathbf{g}_{1,3}[\lambda] \rightarrow -e^{-2 \lambda \xi_{11,1} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{21,3}^2 \xi_{11,3} + \frac{4 e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \eta_{11,3} \eta_{21,2} \xi_{11,2}}{(\xi_{11,1} - \xi_{12,2})^3} - \\
& \frac{2 e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{11,3} \eta_{21,2} \xi_{11,2}}{-\xi_{11,1} + \xi_{12,2}} - \frac{4 e^{-\lambda \xi_{11,1} + \lambda \xi_{12,2}} \lambda \eta_{11,3} \eta_{21,2} \xi_{11,2}}{(\xi_{11,1} - \xi_{12,2}) (-\xi_{11,1} + \xi_{12,2})} - \\
& \frac{4 e^{-\lambda \xi_{11,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \eta_{21,3} \eta_{22,3} \xi_{11,1} \xi_{12,3}}{(\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4} + \frac{8 e^{-\lambda \xi_{11,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \eta_{21,3} \eta_{22,3} \xi_{12,2} \xi_{12,3}}{(\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \eta_{11,2} \eta_{21,3} \xi_{11,2}}{(\xi_{11,1} - \xi_{13,3})^3} - \frac{4 e^{-\lambda \xi_{11,1} + \lambda \xi_{13,3}} \eta_{12,3} \eta_{21,3} \xi_{12,3}}{(\xi_{11,1} - \xi_{13,3})^3} + \\
& \frac{4 e^{-2 \lambda \xi_{11,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{21,2} \eta_{21,3} \xi_{11,1} \xi_{11,2}}{(2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4} - \frac{8 e^{-2 \lambda \xi_{11,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{21,2} \eta_{21,3} \xi_{11,2} \xi_{12,2}}{(2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{11,3} \eta_{22,3} \xi_{12,3}}{(\xi_{12,2} - \xi_{13,3})^3} - (64 \eta_{11,3} \eta_{21,2} \xi_{11,1}^{11} \xi_{11,2} \xi_{12,2}^3) / \\
& \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) + \\
& (64 \eta_{11,2} \eta_{21,3} \xi_{11,1}^{11} \xi_{11,2} \xi_{12,2}^3) / \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 \right. \\
& \left. (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) - (4 \eta_{21,2} \eta_{21,3} \xi_{11,1}^{11} \xi_{11,2} \xi_{12,2}^3) / \\
& \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) - \\
& (128 \eta_{11,3} \eta_{21,2} \xi_{11,1}^{10} \xi_{11,2} \xi_{12,2}^4) / \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 \right. \\
& \left. (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) - (64 \eta_{11,2} \eta_{21,3} \xi_{11,1}^{10} \xi_{11,2} \xi_{12,2}^4) / \\
& \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) + \\
& (4 \eta_{21,2} \eta_{21,3} \xi_{11,1}^{10} \xi_{11,2} \xi_{12,2}^4) / \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 \right. \\
& \left. (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) + (32 \eta_{11,3} \eta_{21,2} \xi_{11,1}^9 \xi_{11,2} \xi_{12,2}^5) / \\
& \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 (2 \xi_{11,1} - \xi_{12,2} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^3 \right) - \\
& (224 \eta_{11,2} \eta_{21,3} \xi_{11,1}^9 \xi_{11,2} \xi_{12,2}^5) / \left((\xi_{11,1} - \xi_{12,2})^3 (\xi_{11,1} + \xi_{12,2} - 2 \xi_{13,3})^4 (\xi_{11,1} - \xi_{13,3})^3 \right)
\end{aligned}$$

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$$\begin{aligned}
& \left((\xi_{1,1} - \xi_{1,2})^3 (\xi_{1,1} + \xi_{1,2} - 2\xi_{1,3})^4 (\xi_{1,1} - \xi_{1,3})^3 (2\xi_{1,1} - \xi_{1,2} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^3 \right) + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,2}}{-\xi_{1,1} + \xi_{1,3}} + \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}}{-\xi_{1,1} + \xi_{1,3}} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{-\xi_{1,1} + \xi_{1,3}} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,3}) (-\xi_{1,1} + \xi_{1,3})} - \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3}}{-\xi_{1,1} + \xi_{1,3}} - \\
& \frac{e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}}{-\xi_{1,2} + \xi_{1,3}} - \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{-\xi_{1,2} + \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3}}{(\xi_{1,2} - \xi_{1,3}) (-\xi_{1,2} + \xi_{1,3})} + \frac{e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,3,3}}{-\xi_{1,2} + \xi_{1,3}} + \\
& \frac{2 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{2 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{2 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{2 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}}{(2\xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2\xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2\xi_{1,3}} - \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2\xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2\xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2\xi_{1,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2\xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2\xi_{1,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2\xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2\xi_{1,3})} - \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2\lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2\xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2\xi_{1,3})} -
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2 (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}) (-\xi_{1,1,1} - \xi_{1,2,2} + 2 \xi_{1,3,3})}, \\
\gg & \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
g_{1,2}[\lambda] \rightarrow & - \frac{e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^3 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{4 \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,3} \xi_{2,2}^4 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{28 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2}^5 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^5 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^6 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{88 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{88 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{88 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{52 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{52 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{52 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{9 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2}^8 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{12 \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^4 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{16 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{60 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{116 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{320 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{292 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{132 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{328 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{26 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{128 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{13,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{240 \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{1,2} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{13,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{56 \eta_{2,1,2} \eta_{2,3} \xi_{2,2}^8 \xi_{12,3} \xi_{13,3}}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^6 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^7 \xi_{2,3}^2 \xi_{13,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{2,2} - \xi_{13,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^5 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^6 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^7 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^8 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^8 \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2} \xi_{1,3}^2}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{200 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{184 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{560 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{560 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^4 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^4 \xi_{1,2} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{720 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{720 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{54 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,3}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{440 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{104 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{432 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{432 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \gg \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2} \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^2 \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^3 \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^4 \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^5 \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^5 \xi_{2,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{160 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{480 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{480 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{160 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{640 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{640 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{126 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{400 \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{400 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{360 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 \eta_{2,1,2} \eta_{2,3} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{344 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,1} \xi_{1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^7 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^5 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^6 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,2}^8 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{1,2}^8 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{200 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{432 \eta_{1,3} \eta_{2,1} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{432 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{280 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{180 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{460 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{270 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{44 \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& 56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4 - \\
& \frac{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4}{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4} + \\
& \frac{356 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{124 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1} \xi_{1,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,3} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{36 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{12,2} \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{12,2}^3 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{12,2}^3 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{12,2}^3 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{12,2}^3 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{12,2}^3 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{12,2}^4 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{12,2}^4 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{12,2}^4 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{12,2}^5 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{12,2}^5 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{2,2}^7 \xi_{2,3}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1} \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4}
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{32 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{32 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{248 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{2,3} \eta_{2,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 \eta_{1,2} \eta_{2,2,3} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 \eta_{2,1,2} \eta_{2,2,3} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{172 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{36 e^{-2\lambda \xi_{1,1}+2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{44 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{1,2} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{156 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{42 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{1,2} \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1}+2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{48 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{1,2} \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{1,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1}+2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1} \xi_{1,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{1,3} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3,3}^6}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,3,3}^6}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{40 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2} \xi_{1,3} \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{40 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \\
& \frac{80 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{52 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{42 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \\
& \frac{120 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{32 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{108 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{82 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2,2} \eta_{2,2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1} \xi_{1,2}^5 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3} \xi_{1,2}^5 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1} \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

[illegible]

$$\begin{aligned}
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^8}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} \} \\
& \left\{ 2 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,2} + 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} + \right. \\
& 2 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2 - 3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 - \\
& 4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 - 3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} + \\
& e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,3} + 4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3}^2 \xi_{1,1,2} \xi_{1,1,3} - \\
& 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,1,3} + \\
& 4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2}^2 \left. \right\} + \\
& \frac{(\xi_{1,1,1} - \xi_{1,2,2})^3}{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2} - \\
& \frac{\xi_{1,1,1} - \xi_{1,2,2}}{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} \xi_{1,2,2} -} \\
& \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2 \xi_{1,2,2}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2}{-\xi_{1,1,1} + \xi_{1,2,2}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2}^2}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} - 3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,2,3}^2 \xi_{1,2,3} + \\
& 2 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} + 7 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} - \\
& 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} - \\
& 5 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,2}^2 \xi_{1,2,3} + \\
& 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^5 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,2,3} + \\
& 2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,2,3}^2 \xi_{1,2,2} \xi_{1,2,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} - \\
& 4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} \left. \right\} + \\
& \frac{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4}{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}} + \\
& \frac{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2}{\xi_{1,1,1} - \xi_{1,3,3}} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,1,1} - \xi_{1,3,3}} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,1,2}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{20 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3}}{\xi_{1,2,2} - \xi_{1,3,3}} + \\
& 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,3,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} \xi_{1,3,3} + \\
& 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,3,3} - \\
& 2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,2,3}^2 \xi_{1,2,3} \xi_{1,3,3} + 4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3} - \\
& 2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^5 \eta_{2,1,3}^2 \xi_{1,1,2}^2 \xi_{1,2,3} \xi_{1,3,3} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2 \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,2} \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2}{-\xi_{1,1,1} + \xi_{1,3,3}} - \frac{3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} + \\
& \frac{3 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,3,3}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \frac{2 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} - \\
& \frac{2 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,3,3}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2}^2}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2 (-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3})} -
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,2}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^2 (-2 \xi_{1,1}+\xi_{1,2}+\xi_{1,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}^2}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}) (-2 \xi_{1,1}+\xi_{1,2}+\xi_{1,3})} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,2}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}) (-2 \xi_{1,1}+\xi_{1,2}+\xi_{1,3})} + \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,3}}{-2 \xi_{1,1}+\xi_{1,2}+\xi_{1,3}} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3})^2 (-2 \xi_{1,1}+\xi_{1,2}+\xi_{1,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2}^2 \xi_{1,3}}{(2 \xi_{1,1}-\xi_{1,2}-\xi_{1,3}) (-2 \xi_{1,1}+\xi_{1,2}+\xi_{1,3})} - \\
& \frac{3 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3}} + \\
& \frac{3 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2} \xi_{1,3}}{-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2 (-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2 (-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}) (-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}) (-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3})^2 (-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2} \xi_{1,3}}{(\xi_{1,1}+\xi_{1,2}-2 \xi_{1,3}) (-\xi_{1,1}-\xi_{1,2}+2 \xi_{1,3})} + 2 e^{\lambda \xi_{1,1}-\lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{2,1,2} - \\
& \frac{3 e^{\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2} - 4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{\lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2} - 4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}} + \\
& \frac{4 e^{\lambda \xi_{2,2}-\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2} \xi_{2,1,2}}{(\xi_{1,1}-\xi_{1,2})^3} + \\
& \frac{4 e^{\lambda \xi_{2,2}-\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}}{\xi_{1,1}-\xi_{1,2}} - \\
& \frac{4 e^{\lambda \xi_{2,2}-\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2} \xi_{2,1,2}}{(\xi_{1,1}-\xi_{1,2})^3} + \\
& \frac{4 e^{\lambda \xi_{2,2}-\lambda \xi_{1,3}+\lambda \xi_{2,2}-\lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2}}{-\xi_{1,1}+\xi_{1,2}} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,2} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,2,2}) (-\xi_{1,1,1} + \xi_{1,2,2})} - e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \\
& \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{\xi_{1,1,1} - \xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,1,1} - \xi_{1,3,3}} + \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^2 \xi_{1,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} - \\
& \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
& \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,2} \xi_{2,1,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \\
& \frac{4 e^{\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + \lambda \xi_{2,2,2} - \lambda \xi_{2,3,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2}}{\xi_{1,2,2} - \xi_{1,3,3}} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^2} - \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^2} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}^2 \xi_{2,1,2}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3}^2 \xi_{2,1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \frac{3 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} - \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} - \\
& \frac{4 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,2,3} \eta_{2,1,3} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1,1} - \xi_{1,3,3}) (-\xi_{1,1,1} + \xi_{1,3,3})} + \frac{3 e^{\lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{1,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{-\xi_{1,1,1} + \xi_{1,3,3}} + \\
& \frac{2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2} \xi_{2,1,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} + \\
& \frac{4 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,2,2} - \xi_{1,3,3}) (-\xi_{1,2,2} + \xi_{1,3,3})} - \frac{2 e^{\lambda \xi_{1,1} - \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,3,3} \xi_{2,1,2}}{-\xi_{1,2,2} + \xi_{1,3,3}} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{-2 \xi_{1,1,1} + \xi_{1,2,2} + \xi_{1,3,3}} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,3,3} \xi_{2,1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} + \\
& \frac{3 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3} \xi_{2,1,2}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
& e^{\lambda \xi_{1,2} - \lambda \xi_{1,3} + \lambda \xi_{2,2} - \lambda \xi_{2,3}} \in g_{2,3}'[\lambda] = 0, g_{2,3}[\theta] = 0 \} \\
& \gg \left\{ \begin{aligned} f_{1,1}[\lambda] &\rightarrow e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,2} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,3}, \\ f_{2,2}[\lambda] &\rightarrow -e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,2} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2,3} \xi_{1,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}, \\ f_{3,3}[\lambda] &\rightarrow -e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \xi_{1,1,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2,3} \xi_{1,2,3} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3}, \\ f_{1,2}[\lambda] &\rightarrow e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2}^2 + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2,3} \xi_{1,1,3} - e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,3} + \\ &\quad e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2}^2 \xi_{1,2,3} + 2 \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,1,2} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,1,2} - \\ &\quad e^{\lambda \xi_{1,1} - 2 \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3} \xi_{2,1,2} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} \xi_{2,1,2}, \\ f_{2,3}[\lambda] &\rightarrow -e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,1,2} \xi_{1,1,3} + e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,2,3}^2 - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,3} - \\ &\quad e^{-\lambda \xi_{1,1} + 2 \lambda \xi_{1,2} - \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \xi_{1,1,2} \xi_{2,2,3} + e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,3} \xi_{1,1,3} \xi_{2,2,3} + \end{aligned} \right.
\end{aligned}$$

$$\begin{aligned}
& 2 \lambda^3 \eta_{2,3} \xi_{1,2,3} \xi_{2,2,3} - 2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^4 \eta_{2,3} \xi_{1,2} \xi_{1,2,3} \xi_{2,2,3}, \\
f_{1,3}[\lambda] & \rightarrow e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3} \xi_{1,3}^2 + e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3} \xi_{1,3} \xi_{1,2,3} - \\
& e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{1,2,3} + e^{\lambda \xi_{1,2,2} - \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3} \xi_{1,2} \xi_{1,3} + 2 \lambda^3 \eta_{2,3} \xi_{1,3} \xi_{1,2,3} + \\
& e^{\lambda \xi_{1,1} - \lambda \xi_{1,2,2}} \lambda^3 \eta_{2,3} \xi_{1,2,3} \xi_{2,1,3} - \lambda^4 \eta_{2,3} \xi_{1,2} \xi_{1,2,3} \xi_{2,1,3} + \lambda^3 \eta_{2,3} \xi_{1,3} \xi_{2,2,3} + \\
& e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^4 \eta_{2,3} \xi_{1,2} \xi_{1,3} \xi_{2,2,3} + \lambda^4 \eta_{2,3} \xi_{1,2} \xi_{1,2,3} \xi_{2,2,3} - e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^5 \eta_{2,3} \xi_{1,2}^2 \xi_{1,2,3} \xi_{2,2,3}, \\
g_{1,3}[\lambda] & \rightarrow -e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,3} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,2}}{(\xi_{1,1,1} - \xi_{1,2,2})^3} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,2}}{-\xi_{1,1,1} + \xi_{1,2,2}} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2}}{(\xi_{1,1,1} - \xi_{1,2,2})(-\xi_{1,1,1} + \xi_{1,2,2})} - \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \eta_{2,3} \eta_{2,2} \xi_{1,1,1} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \eta_{2,3} \eta_{2,2} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,2}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2,3} \eta_{2,3} \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,3,3})^3} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{1,2,2}}{(2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,2,3}}{(\xi_{1,2,2} - \xi_{1,3,3})^3} - (64 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) + \\
& (64 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (4 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) - \\
& (128 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (64 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) + \\
& (4 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (32 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) - \\
& (224 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (20 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) + \\
& (160 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 + (256 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) - \\
& (12 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (4 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) + \\
& (260 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (36 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) - \\
& (80 \eta_{1,3} \eta_{2,2} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3) \\
& (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3 - (380 \eta_{1,2} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,2} \xi_{1,2,2}^3) / \\
& ((\xi_{1,1,1} - \xi_{1,2,2})^3 (\xi_{1,1,1} + \xi_{1,2,2} - 2 \xi_{1,3,3})^4 (\xi_{1,1,1} - \xi_{1,3,3})^3 (2 \xi_{1,1,1} - \xi_{1,2,2} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^3) +
\end{aligned}$$

[illegible]

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$$\begin{aligned}
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,2}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}}{-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3}} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3})^2 (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} - \\
& \frac{2 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,3}}{(2 \xi_{1,1} - \xi_{1,2} - \xi_{1,3}) (-2 \xi_{1,1} + \xi_{1,2} + \xi_{1,3})} + \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} - \\
& \frac{e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3}} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} - \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,2} \xi_{1,2,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3})^2 (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})} + \\
& \frac{2 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} + \xi_{1,2} - 2 \xi_{1,3}) (-\xi_{1,1} - \xi_{1,2} + 2 \xi_{1,3})}, \\
& \gg \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^4 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{14 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{72 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2}^6 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{88 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{88 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{88 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^7 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^7 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{52 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^8 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^3 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^4 \xi_{2,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^5 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^5 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^6 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^6 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^7 \xi_{1,2,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^8 \xi_{1,3} \xi_{1,3}^3 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{60 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{116 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,1,3} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{320 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{292 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{132 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{328 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{128 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{240 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{152 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{32 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{56 \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^9 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2}^3 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^6 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^7 \xi_{1,2,3}^2 \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^7 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{40 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{200 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{184 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,3} \xi_{2,2}^3 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{40 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{560 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{560 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{720 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{720 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{400 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{54 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{42 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{440 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{104 \eta_{2,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^9 \xi_{1,3} \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{432 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{432 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{36 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^7 \xi_{2,3}^2 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{12,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,3} \xi_{12,2} \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{12,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{12,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{12,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{12,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{12,2}^4 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{12,2}^4 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{12,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{12,2}^5 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{12,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{12,2}^6 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{12,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{12,2}^7 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{12,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1} \xi_{1,2} \xi_{12,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{12,2}^8 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4}
\end{aligned}$$

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$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^8 \xi_{1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{160 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,3} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{480 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{480 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{160 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{640 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{640 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{360 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{344 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^7 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1} \xi_{1,3} \xi_{1,2}^8 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,2}^9 \xi_{1,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^2 \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{192 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{2,2}^7 \xi_{2,3}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,3} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{2,2} \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^2 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{2,2}^3 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{90 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{90 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^4 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{2,2}^5 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{2,2}} \lambda^3 \eta_{2,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{2,2}^6 \xi_{3,3}^4}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{12 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{200 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{200 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{432 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{432 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{280 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{160 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{80 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{200 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{60 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{60 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{180 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{460 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{270 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{90 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{90 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{44 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{356 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{124 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{98 e^{-\lambda \xi_{1,1} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,1} + \lambda \xi_{12,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^4}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{9 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{36 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3,3}^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{30 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2}^7 \xi_{1,3}^2 \xi_{1,3}^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^6 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{2,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3} \xi_{1,1}^7 \xi_{1,2,3} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{32 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{14 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,3} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{32 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{248 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{84 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^5}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{8 \eta_{2,2} \eta_{2,3} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{172 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{126 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{156 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,3} \xi_{1,3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{2,2}^5 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{2,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1} \xi_{1,3} \xi_{2,2}^6 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2}^7 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,2} \xi_{2,2}^7 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,3} \xi_{2,2}^7 \xi_{1,2,3} \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{2,2}^2 \xi_{3,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,2}^5 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3}^2 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1} \xi_{1,1}^6 \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1} \xi_{1,1}^5 \xi_{1,3} \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,1} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{22 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^6 \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,1}^6 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{192 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,3} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{40 \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{52 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{108 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{82 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{42 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^6}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2}^6 \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,3} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^4 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^3 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2} \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^4 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3}^2 \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^5 \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^4 \xi_{1,1,3} \xi_{1,2,2} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2\lambda \xi_{1,1} + 2\lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4}
\end{aligned}$$

$$\begin{aligned}
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1} \xi_{1,1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1} \xi_{1,1,3} \xi_{1,2,2}^4 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,2}} \lambda^3 \eta_{2,1,2}^2 \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2,2}^5 \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,1,3} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^7}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,3} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 \eta_{2,3} \eta_{2,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{2,3} \eta_{2,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,2} \eta_{2,1,3} \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \xi_{1,1,3} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,2} \xi_{1,2}^3 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,2,2}^2 \xi_{1,2,3}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2}^3 \xi_{1,2,3}^2 \xi_{1,3}^7}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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[illegible]

$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,3} \xi_{1,2} \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^2 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1} \xi_{1,3} \xi_{1,2}^3 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,2}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1} + \lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^4 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,2} \xi_{1,3} \xi_{1,3}^8}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

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[illegible]

$$\begin{aligned}
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{1,2}^7}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{52 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{52 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{52 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,2}^8}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{12 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^9}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{12 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{48 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{72 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{48 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,2}^4 \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{12 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,3}}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{e^{-2\lambda} \xi_{1,1}^{1+2\lambda} \xi_{1,3} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2}^8 \xi_{1,2,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{40 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{80 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{16 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,3,3} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,3,3} \lambda \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda} \xi_{1,2,2}^{1+\lambda} \xi_{1,3,3} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,3,3} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda} \xi_{1,1}^{1+\lambda} \xi_{1,2,2} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2}^3 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{4 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{60 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{60 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{120 \eta_{2,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{120 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{2,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{116 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{10 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{48 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^4 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{16 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{320 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{292 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{132 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{34 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{2,2}^5 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{328 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{128 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{2,2}^6 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{240 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{152 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{32 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{2,2}^7 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{14 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{2,2}^8 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{2,2}^9 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^9 \xi_{1,3,3}}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^9 \xi_{1,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{288 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^8 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{192 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,1,3}^2 \xi_{1,1}^8 \xi_{1,2}^2 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^7 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{180 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{84 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,2}^5 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{26 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{2,2}^6 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{12 e^{-2 \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{12 e^{-2\lambda \xi_{1,1}+2\lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,2,2}+2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2,2}+2\lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-2\lambda \xi_{1,1}+2\lambda \xi_{1,3,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{40 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{24 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{72 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{72 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{36 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2,2}+2\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^2 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{40 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{80 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{80 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{200 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{200 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{80 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{184 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{84 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{192 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{192 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2,2}+2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{1,2,2}^3 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{40 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{80 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{80 e^{-\lambda \xi_{1,2,2}+\lambda \xi_{1,3,3}} \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,3,3}^2}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{560 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{560 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{20 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{2,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{50 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda^3 \eta_{2,2} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{72 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{22 e^{-\lambda \xi_{1,1} - \lambda \xi_{2,2} + 2 \lambda \xi_{3,3}} \lambda^3 \eta_{2,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,3} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{3,3}} \lambda^4 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{2,2}^4 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \eta_{2,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{24 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{24 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{720 \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \frac{720 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{2,2}} \lambda \eta_{2,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} - \frac{64 e^{-\lambda \xi_{2,2} + \lambda \xi_{3,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} + \\
& \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{3,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{3,3})^4 (\xi_{2,2} - \xi_{3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{54 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,3} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3} \xi_{2,2}^5 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{440 \eta_{1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{440 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{76 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{22 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{2,2}^6 \xi_{3,3}^2}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{104 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{104 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{136 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{144 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{64 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,2,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1}^3 \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^7 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{56 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{30 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,1,1} - \lambda \xi_{1,2,2} + 2 \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1}^2 \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-2 \lambda \xi_{1,1,1} + 2 \lambda \xi_{1,3,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1}^2 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2,2}^8 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2,2}^9 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{6 e^{-\lambda \xi_{1,1,1} + \lambda \xi_{1,3,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2,2}^9 \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{72 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{288 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{288 e^{-\lambda \xi_{1,2,2} + \lambda \xi_{1,3,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^2}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4}{(\xi_{1,1,1} - \xi_{1,2,2})^4 (\xi_{1,1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4}
\end{aligned}$$

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$$\begin{aligned}
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2} \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{12,2} \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{12,2} \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \frac{432 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{432 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^8 \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{288 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{30 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^4 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{18 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^5 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \frac{22 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{36 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^6 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \frac{8 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^7 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \frac{6 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{2,2}^8 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{2,2}^8 \xi_{12,3} \xi_{13,3}^2}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} -
\end{aligned}$$

[illegible]

$$\begin{aligned}
& \frac{136 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{56 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2}^2 \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^7 \xi_{1,2} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2} \xi_{1,3} \xi_{2,2}^2 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{480 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \frac{480 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \frac{160 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{280 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,2} \xi_{1,1}^6 \xi_{1,2} \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} - \\
& \frac{288 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} + \frac{288 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^3 \xi_{3,3}^3}{(\xi_{1,1} - \xi_{2,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{2,2} - \xi_{1,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2}^3 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2}^3 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,1} \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,1} \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{80 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{40 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{40 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{640 \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{640 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{80 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{80 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{90 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,1} \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,1} \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{400 \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{400 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,2} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{320 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,2} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{360 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{96 \eta_{1,2} \eta_{2,2} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{1,2} \eta_{2,2} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{344 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{1,2} \eta_{2,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{192 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,2} \eta_{2,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,3}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,1,3} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2}^6 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{104 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^2 \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2}^7 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{28 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,1} \xi_{1,1,2} \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^9 \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 \eta_{1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{2 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^8 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1}^8 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{192 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{192 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^3}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{12,2} \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^8 \xi_{1,2} \xi_{12,2} \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^8 \xi_{1,2}^2 \xi_{12,2} \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \frac{288 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{288 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^7 \xi_{1,2} \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^7 \xi_{1,2}^2 \xi_{12,2}^2 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^3 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \frac{192 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{192 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{240 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^3 \xi_{12,2}^3 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^4 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{12,2}^4 \xi_{12,3} \xi_{13,3}^3}{(\xi_{1,1} - \xi_{12,2})^4 (\xi_{1,1} - \xi_{13,3})^4 (\xi_{12,2} - \xi_{13,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{120 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{36 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \frac{48 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{8 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{12,2} + \lambda \xi_{13,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{4 e^{-2 \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{12,2} + 2 \lambda \xi_{13,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{13,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^3}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} +
\end{aligned}$$

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<https://drorbn.net/AcademicPensieve/Projects/SolvablePBW/Archive/#MathematicaNotebooks>

[illegible]

$$\begin{aligned}
& \frac{22 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^6 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,2}^6 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{52 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,2}^2 \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,3} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,1} \xi_{1,2} \xi_{1,3} \xi_{1,2}^7 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{10 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^8 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,3} \xi_{1,1,3} \xi_{1,2}^8 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,2} \xi_{1,3} \xi_{1,2}^8 \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{12 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{36 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1,1}^8 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{12 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{48 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^3 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^4 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^5 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,3} \xi_{1,1,1}^6 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,3} \xi_{1,1,1}^7 \xi_{1,1,2} \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3}^4}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} -
\end{aligned}$$

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$$\begin{aligned}
& \frac{12 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^7 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{72 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{240 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{30 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^3 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{48 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{90 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{90 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{12 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{120 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{180 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{90 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{12 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{48 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{6 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,2}^6 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{2 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{12 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,2}^7 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{2 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2}^8 \xi_{1,2,3} \xi_{1,3,3}^4}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{4 \eta_{1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \eta_{1,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{8 \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,3} \xi_{1,1}^4 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} + \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,1,2} \xi_{1,3,3}^5}{(\xi_{1,1}-\xi_{1,2,2})^4 (\xi_{1,1}-\xi_{1,3,3})^4 (\xi_{1,2,2}-\xi_{1,3,3})^4} -
\end{aligned}$$

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[illegible]

$$\begin{aligned}
& \frac{120 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2}^3 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2} \xi_{1,3} \xi_{1,2}^3 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{4 \eta_{1,2,3} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \eta_{1,2,3} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{64 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{172 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{144 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{162 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{72 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{36 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{1,2}^4 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{156 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{90 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^5 \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} +
\end{aligned}$$

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$$\begin{aligned}
& \frac{96 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{18 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,2,2}^2 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{36 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^3 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{72 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,2,2}^3 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^4 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{72 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{36 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,2,2}^4 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{12 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^5 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,3}^2 \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,2}^5 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} + \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1} - \xi_{1,2,2})^4 (\xi_{1,1} - \xi_{1,3,3})^4 (\xi_{1,2,2} - \xi_{1,3,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{16 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1} \xi_{1,2} \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,1} \xi_{1,2}^2 \xi_{1,2}^6 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{4 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{8 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{4 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{2,1,3}^2 \xi_{1,2}^2 \xi_{1,2}^7 \xi_{1,2,3} \xi_{1,3}^5}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{24 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{24 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{8 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{8 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{72 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{72 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{12 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{6 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^6 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1}^6 \xi_{1,2} \xi_{1,3} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{40 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{40 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{16 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{32 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{4 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{26 e^{-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^2 \eta_{1,2,3} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{2 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{192 \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{192 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \eta_{1,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{120 e^{-\lambda \xi_{1,1}+\lambda \xi_{1,2}} \lambda \eta_{1,3} \eta_{2,1,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,2,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} -
\end{aligned}$$

[illegible]

$$\begin{aligned}
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,3} \eta_{2,2} \xi_{1,1} \xi_{1,2}^2 \xi_{2,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{48 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,3} \eta_{2,2} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{2,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{48 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^3 \xi_{1,3} \xi_{1,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{48 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,2} \xi_{1,3} \xi_{2,2}^3 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{4 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{82 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{6 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{36 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{4 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,1} \xi_{1,2}^2 \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{22 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1}^2 \xi_{1,3} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{22 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,2} \xi_{1,3} \xi_{1,2}^4 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^2 \eta_{1,2,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{22 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^2 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{50 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \frac{12 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,2}} \lambda^3 \eta_{1,1,3} \eta_{2,1,2} \xi_{1,1,2} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{8 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,3} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{8 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3}^2 \xi_{1,1,1} \xi_{1,2} \xi_{1,3} \xi_{1,2}^5 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{20 e^{-\lambda \xi_{1,1} + \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,2} \eta_{2,2,3} \xi_{1,1,2} \xi_{1,2}^6 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{6 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,3} \xi_{1,2}^6 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{6 e^{-2 \lambda \xi_{1,1} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3}^2 \xi_{1,1,2} \xi_{1,3} \xi_{1,2}^6 \xi_{3,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{6 e^{-2 \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,2,3}^2 \xi_{1,1,1} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \\
& \frac{6 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^2 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} - \frac{8 e^{-\lambda \xi_{1,2} + \lambda \xi_{1,3}} \lambda^3 \eta_{1,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} + \\
& \frac{12 e^{-\lambda \xi_{1,1} - \lambda \xi_{1,2} + 2 \lambda \xi_{1,3}} \lambda^4 \eta_{2,1,3} \eta_{2,2,3} \xi_{1,1,1} \xi_{1,2} \xi_{1,2,3} \xi_{1,3}^6}{(\xi_{1,1} - \xi_{1,2})^4 (\xi_{1,1} - \xi_{1,3})^4 (\xi_{1,2} - \xi_{1,3})^4} -
\end{aligned}$$

$$\begin{aligned}
& \frac{6 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^6 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{26 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{16 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^5 \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^5 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \frac{22 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{36 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{24 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{48 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^3 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{24 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2} \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{4 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^3 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{96 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{48 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^3 \xi_{1,2}^3 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1}^4 \xi_{1,2}^2 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{6 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^2 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{16 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^4 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \\
& \frac{44 e^{-\lambda \xi_{1,1}-\lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^4 \eta_{1,3} \eta_{2,3} \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{22 e^{-2 \lambda \xi_{1,1}+2 \lambda \xi_{1,3}} \lambda^5 \eta_{1,3}^2 \xi_{1,1}^2 \xi_{1,2}^4 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} + \\
& \frac{8 e^{-2 \lambda \xi_{1,2}+2 \lambda \xi_{1,3}} \lambda^3 \eta_{2,3}^2 \xi_{1,1} \xi_{1,2}^5 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} - \frac{6 e^{-\lambda \xi_{1,2}+\lambda \xi_{1,3}} \lambda^3 \eta_{1,3} \eta_{2,3} \xi_{1,1} \xi_{1,2}^5 \xi_{1,3}^6}{(\xi_{1,1}-\xi_{1,2})^4 (\xi_{1,1}-\xi_{1,3})^4 (\xi_{1,2}-\xi_{1,3})^4} -
\end{aligned}$$

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[illegible]

[illegible]

[illegible]

$$\begin{aligned}
& \frac{e^{-2\lambda\xi_{1,1}+2\lambda\xi_{1,3}}\lambda^5\eta_{1,3}^2\xi_{1,1}^4\xi_{1,2}^2\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} + \frac{4e^{-2\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^3\eta_{2,3}^2\xi_{1,1}^3\xi_{1,2}\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} - \\
& \frac{8e^{-\lambda\xi_{1,1}-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^4\eta_{2,1,3}\eta_{2,2,3}\xi_{1,1}^3\xi_{1,1,2}\xi_{1,2}\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} + \\
& \frac{4e^{-2\lambda\xi_{1,1}+2\lambda\xi_{1,3}}\lambda^5\eta_{1,3}^2\xi_{1,1}^3\xi_{1,1}^2\xi_{1,2}\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} - \frac{6e^{-2\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^3\eta_{2,3}^2\xi_{1,1}^2\xi_{1,2}^2\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} + \\
& \frac{12e^{-\lambda\xi_{1,1}-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^4\eta_{2,1,3}\eta_{2,2,3}\xi_{1,1}^2\xi_{1,1,2}\xi_{1,2}^2\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} - \\
& \frac{6e^{-2\lambda\xi_{1,1}+2\lambda\xi_{1,3}}\lambda^5\eta_{1,3}^2\xi_{1,1}^2\xi_{1,1}^2\xi_{1,2}^2\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} + \frac{4e^{-2\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^3\eta_{2,3}^2\xi_{1,1}\xi_{1,2}^3\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} - \\
& \frac{8e^{-\lambda\xi_{1,1}-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^4\eta_{2,1,3}\eta_{2,2,3}\xi_{1,1}\xi_{1,1,2}\xi_{1,2}^3\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} + \\
& \frac{4e^{-2\lambda\xi_{1,1}+2\lambda\xi_{1,3}}\lambda^5\eta_{1,3}^2\xi_{1,1}\xi_{1,1}^2\xi_{1,2}^3\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} - \frac{e^{-2\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^3\eta_{2,3}^2\xi_{1,2}^4\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} + \\
& \frac{2e^{-\lambda\xi_{1,1}-\lambda\xi_{1,2}+2\lambda\xi_{1,3}}\lambda^4\eta_{2,1,3}\eta_{2,2,3}\xi_{1,1,2}\xi_{1,2}^4\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} - \\
& \left. \frac{e^{-2\lambda\xi_{1,1}+2\lambda\xi_{1,3}}\lambda^5\eta_{1,3}^2\xi_{1,1}^2\xi_{1,2}^4\xi_{1,2,3}\xi_{1,3}^8}{(\xi_{1,1}-\xi_{1,2,2})^4(\xi_{1,1}-\xi_{1,3,3})^4(\xi_{1,2}-\xi_{1,3,3})^4} \right\}
\end{aligned}$$

Out[]=

$$\begin{aligned}
\text{osol} = & \mathbb{E}_{\{i,j\} \rightarrow \{k\}} \left[y_{1,2}[k] \eta_{1,2}[i] + e^{-\xi_{1,1}[i]+\xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j] + y_{1,3}[k] \eta_{1,3}[i] + \right. \\
& e^{-\xi_{1,1}[i]+\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j] + y_{2,3}[k] \eta_{2,3}[i] + e^{-\xi_{2,2}[i]+\xi_{3,3}[i]} y_{2,3}[k] \eta_{2,3}[j] + \\
& x_{1,1}[k] \xi_{1,1}[i] + x_{1,1}[k] \xi_{1,1}[j] + e^{-\xi_{1,1}[j]} x_{1,2}[k] \xi_{1,2}[i] - e^{\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \xi_{1,2}[i] + \\
& e^{-\xi_{2,2}[i]} x_{1,2}[k] \xi_{1,2}[j] + e^{-\xi_{1,1}[j]} x_{1,3}[k] \xi_{1,3}[i] + e^{-\xi_{3,3}[i]} x_{1,3}[k] \xi_{1,3}[j] + x_{2,2}[k] \xi_{2,2}[i] + \\
& x_{2,2}[k] \xi_{2,2}[j] + e^{-\xi_{2,2}[j]} x_{2,3}[k] \xi_{2,3}[i] + e^{-\xi_{1,1}[i]+\xi_{2,2}[i]+\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j] \xi_{2,3}[i] - \\
& x_{1,3}[k] \xi_{1,2}[j] \xi_{2,3}[i] + e^{-\xi_{3,3}[i]} x_{2,3}[k] \xi_{2,3}[j] + x_{3,3}[k] \xi_{3,3}[i] + x_{3,3}[k] \xi_{3,3}[j], \\
& -e^{-\xi_{2,2}[i]+\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{2,3}[j] + e^{\xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j] \xi_{1,2}[i] - \\
& e^{\xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] - e^{-\xi_{1,1}[i]+2\xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i] + \\
& e^{\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{1,3}[j] \xi_{1,2}[i] + x_{1,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] \xi_{1,2}[j] - \\
& e^{-\xi_{2,2}[j]} x_{2,3}[k] \eta_{1,2}[j] \xi_{1,3}[i] + e^{\xi_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j] \xi_{1,3}[i] - e^{\xi_{3,3}[i]} x_{3,3}[k] \eta_{1,3}[j] \xi_{1,3}[i] - \\
& e^{-\xi_{1,1}[i]+\xi_{2,2}[i]+\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,3}[i] - e^{-\xi_{1,1}[i]+2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i] + \\
& e^{-\xi_{1,1}[j]-\xi_{2,2}[i]+\xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j] \xi_{1,3}[i] - e^{-\xi_{2,2}[i]+2\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] - \\
& e^{-\xi_{1,1}[j]+\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] + e^{2\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] + \\
& x_{1,3}[k] \eta_{1,2}[j] \xi_{1,2}[j] \xi_{1,3}[i] + x_{1,3}[k] \eta_{1,3}[j] \xi_{1,3}[i] \xi_{1,3}[j] + e^{\xi_{3,3}[i]} x_{2,2}[k] \eta_{2,3}[j] \xi_{2,3}[i] - \\
& e^{\xi_{3,3}[i]} x_{3,3}[k] \eta_{2,3}[j] \xi_{2,3}[i] + e^{-\xi_{1,1}[i]+\xi_{2,2}[i]+\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{2,3}[i] - \\
& e^{-\xi_{1,1}[i]+2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{2,3}[i] - e^{-\xi_{2,2}[i]+2\xi_{3,3}[i]} y_{2,3}[k] \eta_{2,3}[j]^2 \xi_{2,3}[i] + \\
& e^{\xi_{2,2}[i]+\xi_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - e^{\xi_{2,2}[i]+\xi_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
& 2e^{-\xi_{1,1}[i]+2\xi_{2,2}[i]+\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] + \\
& e^{2\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
& e^{-\xi_{2,2}[i]+\xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j] \xi_{1,2}[j] \xi_{2,3}[i] + e^{\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,2}[j] \xi_{2,3}[i] -
\end{aligned}$$

$$\begin{aligned}
& e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i] \xi_{2,3}[i] + x_{1,3}[k] \eta_{2,3}[j] \xi_{1,3}[j] \xi_{2,3}[i] - \\
& e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{2,3}[i]^2 + \\
& x_{2,3}[k] \eta_{1,3}[j] \xi_{1,3}[i] \xi_{2,3}[j] + x_{2,3}[k] \eta_{2,3}[j] \xi_{2,3}[i] \xi_{2,3}[j], \\
& -\frac{1}{2} e^{2\xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \frac{1}{2} e^{2\xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \\
& e^{-\xi_{1,1}[i] + 3\xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j]^3 \xi_{1,2}[i]^2 + e^{\xi_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,3}[i] - \\
& e^{\xi_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,3}[i] - e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{2,3}[j] \xi_{1,3}[i] + \\
& e^{-\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] - e^{\xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \\
& \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] + e^{\xi_{2,2}[i] + \xi_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] + \\
& 2 e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] - e^{2\xi_{3,3}[i]} y_{1,3}[k] \\
& \eta_{1,2}[i] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] + e^{-\xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,2}[j] \xi_{1,3}[i] - \\
& e^{\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i] \xi_{1,2}[j] \xi_{1,3}[i] - \frac{1}{2} e^{2\xi_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i]^2 + \\
& \frac{1}{2} e^{2\xi_{3,3}[i]} x_{3,3}[k] \eta_{1,3}[j]^2 \xi_{1,3}[i]^2 + e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j]^2 \xi_{1,3}[i]^2 + \\
& e^{-\xi_{1,1}[i] + 3\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j]^3 \xi_{1,3}[i]^2 - e^{-\xi_{1,1}[j] - \xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i]^2 + \\
& e^{-\xi_{2,2}[i] + 3\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^2 \eta_{2,3}[j] \xi_{1,3}[i]^2 + \\
& e^{-\xi_{1,1}[j] + 2\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i]^2 - e^{3\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^3 \xi_{1,2}[i] \xi_{1,3}[i]^2 + \\
& e^{-\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{2,3}[j]^2 \xi_{2,3}[i] + e^{\xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \\
& \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - e^{\xi_{2,2}[i] + \xi_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
& 2 e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - \\
& e^{2\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,2}[i] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i] - e^{2\xi_{2,2}[i] + \xi_{3,3}[i]} x_{1,1}[k] \eta_{1,2}[j] \\
& \eta_{1,3}[j] \xi_{1,2}[i]^2 \xi_{2,3}[i] + e^{2\xi_{2,2}[i] + \xi_{3,3}[i]} x_{2,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \xi_{1,2}[i]^2 \xi_{2,3}[i] + \\
& 3 e^{-\xi_{1,1}[i] + 3\xi_{2,2}[i] + \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j]^2 \eta_{1,3}[j] \xi_{1,2}[i]^2 \xi_{2,3}[i] - \\
& e^{2\xi_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] + e^{2\xi_{3,3}[i]} x_{3,3}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& 2 e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& 2 e^{-\xi_{1,1}[i] + 3\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j]^2 \eta_{2,3}[j] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& e^{-\xi_{1,1}[j] - \xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j]^2 \xi_{1,3}[i] \xi_{2,3}[i] + \\
& 2 e^{-\xi_{2,2}[i] + 3\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j]^2 \xi_{1,3}[i] \xi_{2,3}[i] - e^{\xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{1,1}[k] \eta_{1,3}[j]^2 \\
& \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + e^{\xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& 4 e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& e^{-\xi_{1,1}[j] + 2\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& 2 e^{3\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j]^2 \eta_{2,3}[j] \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& e^{-\xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[j] \xi_{1,3}[i] \xi_{2,3}[i] - \\
& e^{2\xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i] \xi_{1,2}[j] \xi_{1,3}[i] \xi_{2,3}[i] + \\
& e^{-\xi_{1,1}[i] + \xi_{2,2}[i] + 3\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^3 \xi_{1,3}[i]^2 \xi_{2,3}[i] - \\
& \frac{1}{2} e^{2\xi_{3,3}[i]} x_{2,2}[k] \eta_{2,3}[j]^2 \xi_{2,3}[i]^2 + \frac{1}{2} e^{2\xi_{3,3}[i]} x_{3,3}[k] \eta_{2,3}[j]^2 \xi_{2,3}[i]^2 + \\
& e^{-\xi_{1,1}[i] + 3\xi_{3,3}[i]} y_{1,3}[k] \eta_{1,3}[j] \eta_{2,3}[j]^2 \xi_{2,3}[i]^2 + e^{-\xi_{2,2}[i] + 3\xi_{3,3}[i]} y_{2,3}[k] \eta_{2,3}[j]^3 \xi_{2,3}[i]^2 - \\
& 2 e^{-\xi_{1,1}[i] + 2\xi_{2,2}[i] + 2\xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \xi_{2,3}[i]^2 - \\
& e^{3\xi_{3,3}[i]} y_{2,3}[k] \eta_{1,3}[j] \eta_{2,3}[j]^2 \xi_{1,2}[i] \xi_{2,3}[i]^2 - \frac{1}{2} e^{2\xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{1,1}[k] \\
& \eta_{1,3}[j]^2 \xi_{1,2}[i]^2 \xi_{2,3}[i]^2 + \frac{1}{2} e^{2\xi_{2,2}[i] + 2\xi_{3,3}[i]} x_{2,2}[k] \eta_{1,3}[j]^2 \xi_{1,2}[i]^2 \xi_{2,3}[i]^2 +
\end{aligned}$$

$$\begin{aligned}
& 3 e^{-\xi_{1,1}[i]+3 \xi_{2,2}[i]+2 \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,2}[j] \eta_{1,3}[j]^2 \xi_{1,2}[i]^2 \xi_{2,3}[i]^2 + \\
& e^{-\xi_{2,2}[i]+2 \xi_{3,3}[i]} x_{1,2}[k] \eta_{2,3}[j]^2 \xi_{1,2}[j] \xi_{2,3}[i]^2 - e^{2 \xi_{3,3}[i]} x_{1,2}[k] \eta_{1,3}[j] \eta_{2,3}[j] \xi_{1,2}[i] \\
& \xi_{1,2}[j] \xi_{2,3}[i]^2 + 2 e^{-\xi_{1,1}[i]+2 \xi_{2,2}[i]+3 \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^3 \xi_{1,2}[i] \xi_{1,3}[i] \xi_{2,3}[i]^2 + \\
& e^{-\xi_{1,1}[i]+3 \xi_{2,2}[i]+3 \xi_{3,3}[i]} y_{1,2}[k] \eta_{1,3}[j]^3 \xi_{1,2}[i]^2 \xi_{2,3}[i]^3];
\end{aligned}$$

osol = (List@@osol).Table[e^k, {k, 0, Length[osol] - 1}]

Out[*]=

$$\begin{aligned}
& y_{1,2}[k] \eta_{1,2}[i] + e^{-\xi_{1,1}[i]+\xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j] + \\
& x_{1,1}[k] \xi_{1,1}[i] + x_{1,1}[k] \xi_{1,1}[j] + e^{-\xi_{1,1}[j]} x_{1,2}[k] \xi_{1,2}[i] + \\
& e^2 \left(-\frac{1}{2} e^{2 \xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \frac{1}{2} e^{2 \xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j]^2 \xi_{1,2}[i]^2 + \right. \\
& \left. e^{-\xi_{1,1}[i]+3 \xi_{2,2}[i]} y_{1,2}[k] \eta_{1,2}[j]^3 \xi_{1,2}[i]^2 \right) + e^{-\xi_{2,2}[i]} x_{1,2}[k] \xi_{1,2}[j] + \\
& e \left(e^{\xi_{2,2}[i]} x_{1,1}[k] \eta_{1,2}[j] \xi_{1,2}[i] - e^{\xi_{2,2}[i]} x_{2,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] - e^{-\xi_{1,1}[i]+2 \xi_{2,2}[i]} y_{1,2}[k] \right. \\
& \left. \eta_{1,2}[j]^2 \xi_{1,2}[i] + x_{1,2}[k] \eta_{1,2}[j] \xi_{1,2}[i] \xi_{1,2}[j] \right) + x_{2,2}[k] \xi_{2,2}[i] + x_{2,2}[k] \xi_{2,2}[j]
\end{aligned}$$

In[*]:= CF[(Expand@sol[\$k].\$Basis /. { $\xi_{1,\alpha\beta} \Rightarrow \xi_{\alpha\beta}[i]$, $\eta_{1,\alpha\beta} \Rightarrow \eta_{\alpha\beta}[i]$,
 $\xi_{2,\alpha\beta} \Rightarrow \xi_{\alpha\beta}[j]$, $\eta_{2,\alpha\beta} \Rightarrow \eta_{\alpha\beta}[j]$, $\lambda \rightarrow 1$ }) - (osol /. v_₋[k] => v)]

Out[*]=

0