Pensieve header: The PBW multiplication tensor for $gl_{n,\epsilon}$ using the 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@{"**", ϵ, $k, CF, SSQ, NilQ, B, m, SetAlgebra, U,
            UB, UProducts, USimp, UU, $Basis, $PBWRule, δ, 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[•]:= δ_i_,j_ := If[i == j, 1, 0];
```

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

```
In[•]:= $k = 1;
```

```
In[•]:= CF[ℰ_] := Expand[ℰ /. e^L_ :> e^Expand[L]] /. {ϵ^k_. /; k > $k → 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} /. $PBWRule];
UU_i_[1] := U_i[];
UU_i_[x_^p_] := UU_i @@ Table[x, {p}];
UU_i_[ℰ_] := ℰ /. {
    U[xs__] :> U_i[xs],
    x_ /; MemberQ[$Basis, x] :> U_i[x]
   };
UU_i_[x_, xs__] := UU_t1[x] UU_t2[xs] // Expand // m_{t1,t2→i};
USimp[ℰ_] := Collect[ℰ, Times[U_[__] ..], Expand];
USimp[ℰ_] := Expand[ℰ];
```

```
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_}[ℰ_] := ℰ /. U_i → U_j;
```

```
In[•]:= m_{i_,j_→k_}[c_. U_i_[x___] U_j_[]] := 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___, x_] 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[ℰ_] := Union@Cases[{ℰ}, U_i_[___] :> i, ∞];
```

```
In[•]:= Unprotect[NonCommutativeMultiply];
        NonCommutativeMultiply[x_] := x;
        x_ ** y_ := Module[{is = Supp[x] ⋂ Supp[y], σ, z},
            z = x; Do[z = m_{i→σ@i}[z], {i, is}];
            z = Expand[y z]; Do[z = m_{σ@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 gl_{n,ϵ}."];
```

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

```
In[•]:= SetAlgebra[gl_{n_,ϵ}] := (
          $Algebra = gl_{n,ϵ};
          $Basis = Flatten@{
              Table[y_{α,β}, {β, 2, n}, {α, 1, β - 1}],
              Table[x_{α,β}, {β, 1, n}, {α, 1, β}]
            };
          NilQ[y__] = True; NilQ[x_{α_,β_}] := (α =!= β); (* Nilpotent Q *)
          $PBWRule = Thread[$Basis → Range@Length@$Basis];
          B[x_{i_,j_}, x_{k_,l_}] := δ_{j,k} x_{i,l} - δ_{l,i} x_{k,j};
          B[y_{i_,j_}, y_{k_,l_}] := CF[ϵ δ_{j,k} y_{i,l} - ϵ δ_{l,i} y_{k,j}];
          B[x_{i_,j_}, y_{l_,k_}] := CF[δ_{j,k} x_{i,l} - δ_{l,i} x_{k,j} /. x_{α_,β_} :↦ If[α ≤ β, ϵ x_{α,β}, y_{β,α}]];
        );
```

```
In[•]:= SetAlgebra[gl_{2,ϵ}];
        $PBWRule
        MatrixForm@Table[{b1, b2} → B[b1, b2], {b1, $Basis}, {b2, $Basis}]
```

```
Out[•]= {y_{1,2} → 1, x_{1,1} → 2, x_{1,2} → 3, x_{2,2} → 4}
```

```
Out[•]//MatrixForm=
⎛      {y_{1,2}, y_{1,2}} → 0          {y_{1,2}, x_{1,1}} → y_{1,2}    {y_{1,2}, x_{1,2}} → -ϵ x_{1,1} + ϵ x_{2,2}    {y_{1,2}, x_{2,2}} → -y_{1,2} ⎞
⎜    {x_{1,1}, y_{1,2}} → -y_{1,2}        {x_{1,1}, x_{1,1}} → 0          {x_{1,1}, x_{1,2}} → x_{1,2}          {x_{1,1}, x_{2,2}} → 0        ⎟
⎜{x_{1,2}, y_{1,2}} → ϵ x_{1,1} - ϵ x_{2,2}  {x_{1,2}, x_{1,1}} → -x_{1,2}    {x_{1,2}, x_{1,2}} → 0          {x_{1,2}, x_{2,2}} → x_{1,2}  ⎟
⎝    {x_{2,2}, y_{1,2}} → y_{1,2}          {x_{2,2}, x_{1,1}} → 0          {x_{2,2}, x_{1,2}} → -x_{1,2}         {x_{2,2}, x_{2,2}} → 0        ⎠
```

```
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[•]= y_{1,2} η0_{1,2} + x_{1,1} ξ0_{1,1} + x_{1,2} ξ0_{1,2} + x_{2,2} ξ0_{2,2}
```

```
Out[•]= y_{1,2} η1_{1,2} + x_{1,1} ξ1_{1,1} + x_{1,2} ξ1_{1,2} + x_{2,2} 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[ξ0_{1,1} x_{1,1}]
```
Out[•]=
```
True
```

In[•]:=
```
adExp[ξ0_{1,1} x_{1,1}][x1]
```
Out[•]=
$$e^{\xi 0_{1,1}}\, y_{1,2}\, \eta 1_{1,2} + x_{1,1}\, \xi 1_{1,1} + e^{-\xi 0_{1,1}}\, x_{1,2}\, \xi 1_{1,2} + x_{2,2}\, \xi 1_{2,2}$$

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

In[•]:=
```
adExp[ξ0_{1,2} x_{1,2}][x1]
```
Out[•]=
$$y_{1,2}\, \eta 1_{1,2} - \epsilon\, x_{1,1}\, \eta 1_{1,2}\, \xi 0_{1,2} + \epsilon\, x_{2,2}\, \eta 1_{1,2}\, \xi 0_{1,2} - \epsilon\, x_{1,2}\, \eta 1_{1,2}\, \xi 0_{1,2}^2 + x_{1,1}\, \xi 1_{1,1} + x_{1,2}\, \xi 0_{1,2}\, \xi 1_{1,1} + x_{1,2}\, \xi 1_{1,2} + x_{2,2}\, \xi 1_{2,2} - x_{1,2}\, \xi 0_{1,2}\, \xi 1_{2,2}$$

In[•]:=
```
λTangent[] = 0;
λTangent[xs___, x_] := adExp[x][λTangent[xs]] + ∂_λ x;
λTangent[xs_List] := λTangent @@ xs
```

In[•]:=
```
$Basis ($Basis /. {x → ξ, y → η})
```
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[•]:=
```
λTangent@(λ $Basis ($Basis /. {x → ξ, y → η}))
```
Out[•]=
$$e^{\lambda \xi_{1,1} - \lambda \xi_{2,2}}\, y_{1,2}\, \eta_{1,2} + x_{1,1}\, \xi_{1,1} + e^{\lambda \xi_{2,2}}\, x_{1,2}\, \xi_{1,2} - e^{\lambda \xi_{1,1}} \epsilon \lambda\, x_{1,1}\, \eta_{1,2}\, \xi_{1,2} + e^{\lambda \xi_{1,1}} \epsilon \lambda\, x_{2,2}\, \eta_{1,2}\, \xi_{1,2} + e^{\lambda \xi_{2,2}} \lambda\, x_{1,2}\, \xi_{1,1}\, \xi_{1,2} - e^{\lambda \xi_{1,1} + \lambda \xi_{2,2}} \epsilon \lambda^2\, x_{1,2}\, \eta_{1,2}\, \xi_{1,2}^2 + x_{2,2}\, \xi_{2,2}$$

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[•]=

$$\begin{aligned}
&e^{\lambda \xi 1_{1,1}-\lambda \xi 1_{2,2}+\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}}\, y_{1,2}\, \eta 1_{1,2} + e^{\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}}\, y_{1,2}\, \eta 2_{1,2} + x_{1,1}\, \xi 1_{1,1} - \\
&e^{\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}}\, \lambda\, y_{1,2}\, \eta 2_{1,2}\, \xi 1_{1,1} + e^{\lambda \xi 1_{2,2}-\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}}\, x_{1,2}\, \xi 1_{1,2} - e^{\lambda \xi 1_{1,1}} \in \lambda\, x_{1,1}\, \eta 1_{1,2}\, \xi 1_{1,2} + \\
&e^{\lambda \xi 1_{1,1}} \in \lambda\, x_{2,2}\, \eta 1_{1,2}\, \xi 1_{1,2} + e^{\lambda \xi 1_{2,2}} \in \lambda\, x_{1,1}\, \eta 2_{1,2}\, \xi 1_{1,2} - e^{\lambda \xi 1_{2,2}} \in \lambda\, x_{2,2}\, \eta 2_{1,2}\, \xi 1_{1,2} + \\
&2\, e^{\lambda \xi 1_{1,1}+\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}} \in \lambda^2\, y_{1,2}\, \eta 1_{1,2}\, \eta 2_{1,2}\, \xi 1_{1,2} - e^{\lambda \xi 1_{2,2}+\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}} \in \lambda^2\, y_{1,2}\, \eta 2_{1,2}^2\, \xi 1_{1,2} + \\
&e^{\lambda \xi 1_{2,2}-\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}}\, \lambda\, x_{1,2}\, \xi 1_{1,1}\, \xi 1_{1,2} + e^{\lambda \xi 1_{2,2}} \in \lambda^2\, x_{1,1}\, \eta 2_{1,2}\, \xi 1_{1,1}\, \xi 1_{1,2} - e^{\lambda \xi 1_{2,2}} \in \lambda^2\, x_{2,2}\, \eta 2_{1,2}\, \xi 1_{1,1}\, \xi 1_{1,2} - \\
&e^{\lambda \xi 1_{2,2}+\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}} \in \lambda^3\, y_{1,2}\, \eta 2_{1,2}^2\, \xi 1_{1,1}\, \xi 1_{1,2} - e^{\lambda \xi 1_{1,1}+\lambda \xi 1_{2,2}-\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}} \in \lambda^2\, x_{1,2}\, \eta 1_{1,2}\, \xi 1_{1,2}^2 + x_{2,2}\, \xi 1_{2,2} + \\
&e^{\lambda \xi 2_{1,1}-\lambda \xi 2_{2,2}}\, \lambda\, y_{1,2}\, \eta 2_{1,2}\, \xi 1_{2,2} + x_{1,1}\, \xi 2_{1,1} + e^{\lambda \xi 2_{2,2}}\, x_{1,2}\, \xi 2_{1,2} - e^{\lambda \xi 1_{1,1}-\lambda \xi 1_{2,2}+\lambda \xi 2_{1,1}} \in \lambda\, x_{1,1}\, \eta 1_{1,2}\, \xi 2_{1,2} + \\
&e^{\lambda \xi 1_{1,1}-\lambda \xi 1_{2,2}+\lambda \xi 2_{1,1}} \in \lambda\, x_{2,2}\, \eta 1_{1,2}\, \xi 2_{1,2} - e^{\lambda \xi 2_{1,1}} \in \lambda\, x_{1,1}\, \eta 2_{1,2}\, \xi 2_{1,2} + e^{\lambda \xi 2_{1,1}} \in \lambda\, x_{2,2}\, \eta 2_{1,2}\, \xi 2_{1,2} + \\
&e^{\lambda \xi 2_{2,2}}\, \lambda\, x_{1,2}\, \xi 1_{1,1}\, \xi 2_{1,2} + e^{\lambda \xi 2_{1,1}} \in \lambda^2\, x_{1,1}\, \eta 2_{1,2}\, \xi 1_{1,1}\, \xi 2_{1,2} - e^{\lambda \xi 2_{1,1}} \in \lambda^2\, x_{2,2}\, \eta 2_{1,2}\, \xi 1_{1,1}\, \xi 2_{1,2} - \\
&2\, e^{\lambda \xi 1_{1,1}+\lambda \xi 2_{2,2}} \in \lambda^2\, x_{1,2}\, \eta 1_{1,2}\, \xi 1_{1,2}\, \xi 2_{1,2} + 2\, e^{\lambda \xi 1_{2,2}+\lambda \xi 2_{2,2}} \in \lambda^2\, x_{1,2}\, \eta 2_{1,2}\, \xi 1_{1,2}\, \xi 2_{1,2} + \\
&2\, e^{\lambda \xi 1_{2,2}+\lambda \xi 2_{2,2}} \in \lambda^3\, x_{1,2}\, \eta 2_{1,2}\, \xi 1_{1,1}\, \xi 1_{1,2}\, \xi 2_{1,2} - e^{\lambda \xi 2_{2,2}}\, \lambda\, x_{1,2}\, \xi 1_{2,2}\, \xi 2_{1,2} - \\
&e^{\lambda \xi 2_{1,1}} \in \lambda^2\, x_{1,1}\, \eta 2_{1,2}\, \xi 1_{2,2}\, \xi 2_{1,2} + e^{\lambda \xi 2_{1,1}} \in \lambda^2\, x_{2,2}\, \eta 2_{1,2}\, \xi 1_{1,2}\, \xi 2_{1,2} + e^{\lambda \xi 2_{2,2}}\, \lambda\, x_{1,2}\, \xi 2_{1,1}\, \xi 2_{1,2} - \\
&e^{\lambda \xi 1_{1,1}-\lambda \xi 1_{2,2}+\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}} \in \lambda^2\, x_{1,2}\, \eta 1_{1,2}\, \xi 2_{1,2}^2 - e^{\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}} \in \lambda^2\, x_{1,2}\, \eta 2_{1,2}\, \xi 2_{1,2}^2 + \\
&e^{\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}} \in \lambda^3\, x_{1,2}\, \eta 2_{1,2}\, \xi 1_{1,1}\, \xi 2_{1,2}^2 - e^{\lambda \xi 2_{1,1}+\lambda \xi 2_{2,2}} \in \lambda^3\, x_{1,2}\, \eta 2_{1,2}\, \xi 1_{2,2}\, \xi 2_{1,2}^2 + x_{2,2}\, \xi 2_{2,2}
\end{aligned}$$

```
In[•]:= rhs = λTangent@($Basis ($Basis /. {x_α_,α_ :> CF[f_α,α[λ]], x_αβ__ → f_αβ[λ], y_αβ__ → g_αβ[λ]}))
```

Out[•]=

$$\begin{aligned}
&x_{1,1}\, f_{1,1}'[\lambda] + e^{f_{2,2}[\lambda]}\, x_{1,2}\, f_{1,2}[\lambda]\, f_{1,1}'[\lambda] + e^{f_{2,2}[\lambda]}\, x_{1,2}\, f_{1,2}'[\lambda] + \\
&x_{2,2}\, f_{2,2}'[\lambda] + e^{f_{1,1}[\lambda]-f_{2,2}[\lambda]}\, y_{1,2}\, g_{1,2}'[\lambda] - e^{f_{1,1}[\lambda]} \in x_{1,1}\, f_{1,2}[\lambda]\, g_{1,2}'[\lambda] + \\
&e^{f_{1,1}[\lambda]} \in x_{2,2}\, f_{1,2}[\lambda]\, g_{1,2}'[\lambda] - e^{f_{1,1}[\lambda]+f_{2,2}[\lambda]} \in x_{1,2}\, f_{1,2}[\lambda]^2\, g_{1,2}'[\lambda]
\end{aligned}$$

```
In[•]:= SSBasis = Select[$Basis, SSQ]
```

Out[•]=

$$\{x_{1,1},\ x_{2,2}\}$$

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

Out[•]=

$$\left\{e^{\lambda\,(\xi 1_{1,1}-\xi 1_{2,2}+\xi 2_{1,1}-\xi 2_{2,2})}\,\eta 1_{1,2}\,\left(1+2\,e^{\lambda\,\xi 1_{2,2}}\in\lambda^2\,\eta 2_{1,2}\,\xi 1_{1,2}\right)==\right.$$
$$e^{\lambda\,(\xi 1_{2,2}+\xi 2_{1,1}-\xi 2_{2,2})}\in\lambda^2\,\eta 2_{1,2}^2\,(1+\lambda\,\xi 1_{1,1})\,\xi 1_{1,2}+$$
$$e^{\lambda\,(\xi 2_{1,1}-\xi 2_{2,2})}\,\eta 2_{1,2}\,(-1+\lambda\,\xi 1_{1,1}-\lambda\,\xi 1_{2,2})+e^{f_{1,1}[\lambda]-f_{2,2}[\lambda]}\,g_{1,2}'[\lambda],$$
$$\xi 2_{1,1}+\xi 1_{1,1}\left(1+\in\lambda^2\,\eta 2_{1,2}\left(e^{\lambda\,\xi 1_{2,2}}\,\xi 1_{1,2}+e^{\lambda\,\xi 2_{1,1}}\,\xi 2_{1,2}\right)\right)+e^{f_{1,1}[\lambda]}\in f_{1,2}[\lambda]\,g_{1,2}'[\lambda]==$$
$$e^{\lambda\,(\xi 1_{1,1}-\xi 1_{2,2})}\in\lambda\,\eta 1_{1,2}\left(e^{\lambda\,\xi 1_{2,2}}\,\xi 1_{1,2}+e^{\lambda\,\xi 2_{1,1}}\,\xi 2_{1,2}\right)+$$
$$\in\lambda\,\eta 2_{1,2}\left(-e^{\lambda\,\xi 1_{2,2}}\,\xi 1_{1,2}+e^{\lambda\,\xi 2_{1,1}}\,(1+\lambda\,\xi 1_{2,2})\,\xi 2_{1,2}\right)+f_{1,1}'[\lambda],$$
$$e^{-\lambda\,(\xi 1_{2,2}+\xi 2_{1,1})}\left(-e^{\lambda\,(\xi 1_{1,1}+2\,\xi 1_{2,2}+\xi 2_{2,2})}\in\lambda^2\,\eta 1_{1,2}\,\xi 1_{1,2}^2+e^{\lambda\,(\xi 1_{2,2}+\xi 2_{2,2})}\,\xi 1_{1,2}\left(-2\,e^{\lambda\,(\xi 1_{1,1}+\xi 2_{1,1})}\in\lambda^2\,\eta 1_{1,2}\right.\right.$$
$$\left.\xi 2_{1,2}+e^{\lambda\,\xi 1_{2,2}}\left(1+2\,e^{\lambda\,\xi 2_{1,1}}\in\lambda^2\,\eta 2_{1,2}\,\xi 2_{1,2}\right)+e^{\lambda\,\xi 1_{2,2}}\,\lambda\,\xi 1_{1,1}\left(1+2\,e^{\lambda\,\xi 2_{1,1}}\in\lambda^2\,\eta 2_{1,2}\,\xi 2_{1,2}\right)\right)-$$
$$e^{\lambda\,\xi 2_{1,1}}\left(e^{\lambda\,(\xi 1_{2,2}+\xi 2_{2,2})}\,(-1-\lambda\,\xi 1_{1,1}+\lambda\,\xi 1_{2,2}-\lambda\,\xi 2_{1,1})\,\xi 2_{1,2}+\right.$$
$$e^{\lambda\,(\xi 2_{1,1}+\xi 2_{2,2})}\in\lambda^2\left(e^{\lambda\,\xi 1_{1,1}}\,\eta 1_{1,2}+e^{\lambda\,\xi 1_{2,2}}\,\eta 2_{1,2}\,(1-\lambda\,\xi 1_{1,1}+\lambda\,\xi 1_{2,2})\right)\xi 2_{1,2}^2+$$
$$\left.\left.\left.e^{\lambda\,\xi 1_{2,2}+f_{2,2}[\lambda]}\left(f_{1,2}[\lambda]\,f_{1,1}'[\lambda]+f_{1,2}'[\lambda]-e^{f_{1,1}[\lambda]}\in f_{1,2}[\lambda]^2\,g_{1,2}'[\lambda]\right)\right)\right)==0,$$
$$\xi 1_{2,2}+\in\lambda\,\eta 1_{1,2}\left(e^{\lambda\,\xi 1_{1,1}}\,\xi 1_{1,2}+e^{\lambda\,(\xi 1_{1,1}-\xi 1_{2,2}+\xi 2_{1,1})}\,\xi 2_{1,2}\right)+\xi 2_{2,2}==$$
$$\in\lambda\,\eta 2_{1,2}\left(e^{\lambda\,\xi 1_{2,2}}\,(1+\lambda\,\xi 1_{1,1})\,\xi 1_{1,2}+e^{\lambda\,\xi 2_{1,1}}\,(-1+\lambda\,\xi 1_{1,1}-\lambda\,\xi 1_{2,2})\,\xi 2_{1,2}\right)+$$
$$\left.f_{2,2}'[\lambda]+e^{f_{1,1}[\lambda]}\in f_{1,2}[\lambda]\,g_{1,2}'[\lambda]\right\}$$

```
In[•]:= Length@eqns
```

Out[•]=

```
4
```

```
In[•]:= unknowns = $Basis /. {x_{αβ__} → f_{αβ}[λ], y_{αβ__} → g_{αβ}[λ]}
```

Out[•]=

$$\{g_{1,2}[\lambda],\ f_{1,1}[\lambda],\ f_{1,2}[\lambda],\ f_{2,2}[\lambda]\}$$

```
In[•]:= $Basis /. {x_{αβ__} :> f_{αβ}[0] == 0, y_{αβ__} :> g_{αβ}[0] == 0}
```

Out[•]=

$$\{g_{1,2}[0] == 0,\ f_{1,1}[0] == 0,\ f_{1,2}[0] == 0,\ f_{2,2}[0] == 0\}$$

```
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 /. {x_{α_,α_} :> CF[f_{α,α}[λ]], x_{αβ__} → f_{αβ}[λ], y_{αβ__} → g_{αβ}[λ]}));
     Join[
      (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
      $Basis /. {x_{αβ__} :> f_{αβ}[0] == 0, y_{αβ__} :> g_{αβ}[0] == 0}
     ],
     $Basis /. {x_{αβ__} → f_{αβ}[λ], y_{αβ__} → g_{αβ}[λ]},
     λ
    ]]
```

Out[•]=

$$\left\{\left\{f_{1,1}[\lambda]\to\lambda\,(\xi 1_{1,1}+\xi 2_{1,1}),\ f_{2,2}[\lambda]\to\lambda\,(\xi 1_{2,2}+\xi 2_{2,2}),\right.\right.$$
$$\left.\left.f_{1,2}[\lambda]\to e^{-\lambda\,\xi 2_{1,1}}\,\lambda\,\xi 1_{1,2}+e^{-\lambda\,\xi 1_{2,2}}\,\lambda\,\xi 2_{1,2},\ g_{1,2}[\lambda]\to\lambda\left(\eta 1_{1,2}+e^{\lambda\,(-\xi 1_{1,1}+\xi 1_{2,2})}\,\eta 2_{1,2}\right)\right\}\right\}$$

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 /. {x_α_,α_ :> CF[f_α,α[λ]], x_αβ__ → f_αβ[λ], y_αβ__ → g_αβ[λ]}) /.
       (sol0 /. ((a_ → b_) :> (a → ϵ a + b)))
     ];
    Join[
     (Coefficient[CF[lhs - rhs], #] == 0) & /@ $Basis,
     $Basis /. {x_αβ__ :> f_αβ[0] == 0, y_αβ__ :> g_αβ[0] == 0}
    ],
    $Basis /. {x_αβ__ → f_αβ[λ], y_αβ__ → g_αβ[λ]},
    λ
   ]]
```

Out[•]=
$$\left\{\left\{f_{1,1}[\lambda] \to e^{\lambda\, \xi 1_{2,2}}\, \lambda^2\, \eta 2_{1,2}\, \xi 1_{1,2},\ f_{2,2}[\lambda] \to -e^{\lambda\, \xi 1_{2,2}}\, \lambda^2\, \eta 2_{1,2}\, \xi 1_{1,2},\right.\right.$$
$$\left.\left. f_{1,2}[\lambda] \to \lambda^3\, \eta 2_{1,2}\, \xi 1_{1,2}\, \xi 2_{1,2},\ g_{1,2}[\lambda] \to -e^{-\lambda\, \xi 1_{1,1}+2\,\lambda\, \xi 1_{2,2}}\, \lambda^3\, \eta 2_{1,2}^2\, \xi 1_{1,2}\right\}\right\}$$

In[•]:=
```
TriangularDSolve[eqns_, funs_, iv_] := Module[{sol = {}, e, fun, der},
  MapThread[
   {e, fun} ↦ sol = Echo@Union[sol,
       MapAt[CF, First@DSolve[Echo@CF[e /. Derivative[1][f_][v_] :> der[f[v], v] /. sol /.
             der[f_, v_] :> ∂v f], fun, iv], {1, 2}]
      ],
   {eqns, funs}
  ];
  sol
 ]
```

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

Out[•]=
```
1
```

Out[•]=
```
{y_{1,2} → 1, y_{1,3} → 2, y_{2,3} → 3, x_{1,1} → 4, x_{1,2} → 5, x_{2,2} → 6, x_{1,3} → 7, x_{2,3} → 8, x_{3,3} → 9}
```

Out[•]//MatrixForm=

$\{y_{1,2}, y_{1,2}\} \to 0$	$\{y_{1,2}, y_{1,3}\} \to 0$	$\{y_{1,2}, y_{2,3}\} \to \in y_{1,3}$	$\{y_{1,2}, x_{1,1}\} \to y$
$\{y_{1,3}, y_{1,2}\} \to 0$	$\{y_{1,3}, y_{1,3}\} \to 0$	$\{y_{1,3}, y_{2,3}\} \to 0$	$\{y_{1,3}, x_{1,1}\} \to y$
$\{y_{2,3}, y_{1,2}\} \to -\in y_{1,3}$	$\{y_{2,3}, y_{1,3}\} \to 0$	$\{y_{2,3}, y_{2,3}\} \to 0$	$\{y_{2,3}, x_{1,1}\} \to$
$\{x_{1,1}, y_{1,2}\} \to -y_{1,2}$	$\{x_{1,1}, y_{1,3}\} \to -y_{1,3}$	$\{x_{1,1}, y_{2,3}\} \to 0$	$\{x_{1,1}, x_{1,1}\} \to$
$\{x_{1,2}, y_{1,2}\} \to \in x_{1,1} - \in x_{2,2}$	$\{x_{1,2}, y_{1,3}\} \to -y_{2,3}$	$\{x_{1,2}, y_{2,3}\} \to 0$	$\{x_{1,2}, x_{1,1}\} \to -x$
$\{x_{2,2}, y_{1,2}\} \to y_{1,2}$	$\{x_{2,2}, y_{1,3}\} \to 0$	$\{x_{2,2}, y_{2,3}\} \to -y_{2,3}$	$\{x_{2,2}, x_{1,1}\} \to$
$\{x_{1,3}, y_{1,2}\} \to -\in x_{2,3}$	$\{x_{1,3}, y_{1,3}\} \to \in x_{1,1} - \in x_{3,3}$	$\{x_{1,3}, y_{2,3}\} \to \in x_{1,2}$	$\{x_{1,3}, x_{1,1}\} \to -x$
$\{x_{2,3}, y_{1,2}\} \to 0$	$\{x_{2,3}, y_{1,3}\} \to y_{1,2}$	$\{x_{2,3}, y_{2,3}\} \to \in x_{2,2} - \in x_{3,3}$	$\{x_{2,3}, x_{1,1}\} \to$
$\{x_{3,3}, y_{1,2}\} \to 0$	$\{x_{3,3}, y_{1,3}\} \to y_{1,3}$	$\{x_{3,3}, y_{2,3}\} \to y_{2,3}$	$\{x_{3,3}, x_{1,1}\} \to$

In[•]:=
```
$Basis
```

Out[•]=
```
{y_{1,2}, x_{1,1}, x_{1,2}, x_{2,2}}
```

In[•]:=
```
SortBy[$Basis, If[#[[1]] === x, {0, #[[3]] - #[[2]]}, {1, #[[2]] - #[[3]]}] &]
```

Out[•]=
```
{x_{1,1}, x_{2,2}, x_{1,2}, y_{1,2}}
```

```
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 SBasis (SBasis /. {x → ξ1, y → η1}), λ SBasis (SBasis /. {x → ξ2, y → η2})]
            ];
           rhs = λTangent[
             SBasis (SBasis /. {x_αβ__ :→ (x_αβ /. s0) + ϵ^k f_αβ[λ], y_αβ__ :→ (y_αβ /. s0) + ϵ^k g_αβ[λ]})
            ];
           Echo@"computed lhs and rhs";
           eqns = EchoLabel["eqns"]@Transpose@{
                (Coefficient[CF[lhs - rhs], #] == 0) & /@ SBasis,
                SBasis /. {x_αβ__ :→ f_αβ[0] == 0, y_αβ__ :→ g_αβ[0] == 0}
               };
           unknowns = SBasis /. {x_αβ__ → f_αβ[λ], y_αβ__ → g_αβ[λ]};
           s = TriangularDSolve[eqns, unknowns, λ];
           sol[k] = CF[sol[k - 1] + ϵ^k (SBasis /. {x_αβ__ → f_αβ[λ], y_αβ__ → g_αβ[λ]} /. s)]
          ],
          {k, 0, $k}
         ];
        sol[$k].SBasis
» computed lhs and rhs
```

» eqns $\Big\{\{\xi 1_{1,1}+\xi 2_{1,1}-\mathtt{f}_{1,1}'[\lambda]==0,\ \mathtt{f}_{1,1}[0]==0\},$
$\{\xi 1_{2,2}+\xi 2_{2,2}-\mathtt{f}_{2,2}'[\lambda]==0,\ \mathtt{f}_{2,2}[0]==0\},\ \{\xi 1_{3,3}+\xi 2_{3,3}-\mathtt{f}_{3,3}'[\lambda]==0,\ \mathtt{f}_{3,3}[0]==0\},$
$\Big\{e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\xi 1_{1,2}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\xi 1_{1,1}\xi 1_{1,2}-e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\xi 1_{1,2}\xi 1_{2,2}+\xi 2_{1,2}+\lambda\xi 1_{1,1}\xi 2_{1,2}-\lambda\xi 1_{2,2}$
$\xi 2_{1,2}+\lambda\xi 2_{1,1}\xi 2_{1,2}-\lambda\xi 2_{1,2}\xi 2_{2,2}-\mathtt{f}_{1,2}[\lambda]\,\mathtt{f}_{1,1}'[\lambda]-\mathtt{f}_{1,2}'[\lambda]+\mathtt{f}_{1,2}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]==0,\ \mathtt{f}_{1,2}[0]==0\Big\},$
$\Big\{e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\xi 1_{2,3}+e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda\xi 1_{2,2}\xi 1_{2,3}-e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda\xi 1_{2,3}\xi 1_{3,3}+\xi 2_{2,3}+\lambda\xi 1_{2,2}\xi 2_{2,3}-$
$\lambda\xi 1_{3,3}\xi 2_{2,3}+\lambda\xi 2_{2,2}\xi 2_{2,3}-\lambda\xi 2_{2,3}\xi 2_{3,3}-\mathtt{f}_{2,3}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]-\mathtt{f}_{2,3}'[\lambda]+\mathtt{f}_{2,3}[\lambda]\,\mathtt{f}_{3,3}'[\lambda]==0,$
$\mathtt{f}_{2,3}[0]==0\Big\},\ \Big\{e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{3,3}}\xi 1_{1,3}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{3,3}}\lambda\xi 1_{1,1}\xi 1_{1,3}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{3,3}}\lambda\xi 1_{1,2}\xi 1_{2,3}+$
$e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{3,3}}\lambda^2\xi 1_{1,1}\xi 1_{1,2}\xi 1_{2,3}-e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{3,3}}\lambda^2\xi 1_{1,2}\xi 1_{2,2}\xi 1_{2,3}-e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{3,3}}\lambda\xi 1_{1,3}\xi 1_{3,3}-$
$e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda\xi 1_{2,3}\xi 2_{1,2}-e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda^2\xi 1_{2,2}\xi 1_{2,3}\xi 2_{1,2}+e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda^2\xi 1_{2,3}\xi 1_{3,3}\xi 2_{1,2}+\xi 2_{1,3}+$
$\lambda\xi 1_{1,1}\xi 2_{1,3}-\lambda\xi 1_{3,3}\xi 2_{1,3}+\lambda\xi 2_{1,1}\xi 2_{1,3}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\xi 1_{1,2}\xi 2_{2,3}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda^2\xi 1_{1,1}\xi 1_{1,2}\xi 2_{2,3}-$
$e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda^2\xi 1_{1,2}\xi 1_{1,2}\xi 2_{2,3}+\lambda\xi 2_{1,2}\xi 2_{2,3}+\lambda^2\xi 1_{1,1}\xi 2_{1,2}\xi 2_{2,3}-\lambda^2\xi 1_{1,2}\xi 2_{1,2}\xi 2_{2,3}+$
$\lambda^2\xi 2_{1,1}\xi 2_{1,2}\xi 2_{2,3}-\lambda^2\xi 2_{1,2}\xi 2_{2,2}\xi 2_{2,3}-\lambda\xi 2_{1,3}\xi 2_{3,3}-\mathtt{f}_{1,3}[\lambda]\,\mathtt{f}_{1,1}'[\lambda]-\mathtt{f}_{1,2}[\lambda]\,\mathtt{f}_{2,3}[\lambda]\,\mathtt{f}_{1,1}'[\lambda]-$
$\mathtt{f}_{2,3}[\lambda]\,\mathtt{f}_{1,2}'[\lambda]-\mathtt{f}_{1,3}'[\lambda]+\mathtt{f}_{1,2}[\lambda]\,\mathtt{f}_{2,3}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]+\mathtt{f}_{1,3}[\lambda]\,\mathtt{f}_{3,3}'[\lambda]==0,\ \mathtt{f}_{1,3}[0]==0\Big\},$
$\Big\{e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\eta 1_{1,3}+\eta 2_{1,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda\eta 1_{1,3}\xi 1_{1,1}-\lambda\eta 2_{1,3}\xi 1_{1,1}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda\eta 1_{1,3}\xi 1_{3,3}+\lambda\eta 2_{1,3}\xi 1_{3,3}-$
$\lambda\eta 2_{1,3}\xi 2_{1,1}+\lambda\eta 2_{1,3}\xi 2_{3,3}+\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{1,1}'[\lambda]-\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{3,3}'[\lambda]-\mathtt{g}_{1,3}'[\lambda]==0,\ \mathtt{g}_{1,3}[0]==0\Big\},$
$\Big\{e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\eta 1_{1,2}+\eta 2_{1,2}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda\eta 1_{1,2}\xi 1_{1,1}-\lambda\eta 2_{1,2}\xi 1_{1,1}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda\eta 1_{1,2}\xi 1_{2,2}+$
$\lambda\eta 2_{1,2}\xi 1_{2,2}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda\eta 1_{1,3}\xi 1_{2,3}+e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda\eta 2_{1,3}\xi 1_{2,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda^2\eta 1_{1,3}\xi 1_{2,2}\xi 1_{2,3}+$
$e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda^2\eta 2_{1,3}\xi 1_{2,2}\xi 1_{2,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda^2\eta 1_{1,3}\xi 1_{2,3}\xi 1_{3,3}-e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda^2\eta 2_{1,3}\xi 1_{2,3}\xi 1_{3,3}-$
$\lambda\eta 2_{1,2}\xi 2_{1,1}+\lambda\eta 2_{1,2}\xi 2_{2,2}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda\eta 1_{1,3}\xi 2_{2,3}+\lambda\eta 2_{1,3}\xi 2_{2,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^2\eta 1_{1,3}\xi 1_{1,1}\xi 2_{2,3}+$
$\lambda^2\eta 2_{1,3}\xi 1_{2,2}\xi 2_{2,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^2\eta 1_{1,3}\xi 1_{3,3}\xi 2_{2,3}-\lambda^2\eta 2_{1,3}\xi 1_{3,3}\xi 2_{2,3}+\lambda^2\eta 2_{1,3}\xi 2_{2,2}\xi 2_{2,3}-$
$\lambda^2\eta 2_{1,3}\xi 2_{2,3}\xi 2_{3,3}+\mathtt{g}_{1,2}[\lambda]\,\mathtt{f}_{1,1}'[\lambda]-\mathtt{g}_{1,2}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]-\mathtt{f}_{2,3}[\lambda]\,\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]-$
$\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{2,3}'[\lambda]+\mathtt{f}_{2,3}[\lambda]\,\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{3,3}'[\lambda]-\mathtt{g}_{1,2}'[\lambda]==0,\ \mathtt{g}_{1,2}[0]==0\Big\},$
$\Big\{e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\eta 1_{2,3}+\eta 2_{2,3}-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\lambda\eta 1_{1,3}\xi 1_{1,2}-e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\eta 2_{1,3}\xi 1_{1,2}-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}$
$\lambda^2\eta 1_{1,3}\xi 1_{1,1}\xi 1_{1,2}-e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda^2\eta 2_{1,3}\xi 1_{1,1}\xi 1_{1,2}-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\lambda\eta 1_{2,3}\xi 1_{2,2}-\lambda\eta 2_{2,3}\xi 1_{2,2}+$
$e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\lambda^2\eta 1_{1,3}\xi 1_{1,2}\xi 1_{2,2}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda^2\eta 2_{1,3}\xi 1_{1,2}\xi 1_{2,2}+e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\lambda\eta 1_{2,3}\xi 1_{3,3}+$
$\lambda\eta 2_{2,3}\xi 1_{3,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda\eta 1_{1,3}\xi 2_{1,2}-\lambda\eta 2_{1,3}\xi 2_{1,2}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^2\eta 1_{1,3}\xi 1_{1,1}\xi 2_{1,2}-$
$\lambda^2\eta 2_{1,3}\xi 1_{1,1}\xi 2_{1,2}+\lambda^2\eta 2_{1,3}\xi 1_{2,2}\xi 2_{1,2}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^2\eta 1_{1,3}\xi 1_{3,3}\xi 2_{1,2}-\lambda^2\eta 2_{1,3}\xi 2_{1,1}\xi 2_{1,2}-$
$\lambda\eta 2_{2,3}\xi 2_{2,2}+\lambda^2\eta 2_{1,3}\xi 2_{1,2}\xi 2_{2,2}+\lambda\eta 2_{2,3}\xi 2_{3,3}+\mathtt{f}_{1,2}[\lambda]\,\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{1,1}'[\lambda]+\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{1,2}'[\lambda]-$
$\mathtt{f}_{1,2}[\lambda]\,\mathtt{g}_{1,3}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]+\mathtt{g}_{2,3}[\lambda]\,\mathtt{f}_{2,2}'[\lambda]-\mathtt{g}_{2,3}[\lambda]\,\mathtt{f}_{3,3}'[\lambda]-\mathtt{g}_{2,3}'[\lambda]==0,\ \mathtt{g}_{2,3}[0]==0\Big\}\Big\}$

» $\{\xi 1_{1,1}+\xi 2_{1,1}-\mathtt{f}_{1,1}'[\lambda]==0,\ \mathtt{f}_{1,1}[0]==0\}$

» $\{\mathtt{f}_{1,1}[\lambda]\to\lambda\xi 1_{1,1}+\lambda\xi 2_{1,1}\}$

» $\{\xi 1_{2,2}+\xi 2_{2,2}-\mathtt{f}_{2,2}'[\lambda]==0,\ \mathtt{f}_{2,2}[0]==0\}$

» $\{\mathtt{f}_{1,1}[\lambda]\to\lambda\xi 1_{1,1}+\lambda\xi 2_{1,1},\ \mathtt{f}_{2,2}[\lambda]\to\lambda\xi 1_{2,2}+\lambda\xi 2_{2,2}\}$

» $\{\xi 1_{3,3}+\xi 2_{3,3}-\mathtt{f}_{3,3}'[\lambda]==0,\ \mathtt{f}_{3,3}[0]==0\}$

» $\{\mathtt{f}_{1,1}[\lambda]\to\lambda\xi 1_{1,1}+\lambda\xi 2_{1,1},\ \mathtt{f}_{2,2}[\lambda]\to\lambda\xi 1_{2,2}+\lambda\xi 2_{2,2},\ \mathtt{f}_{3,3}[\lambda]\to\lambda\xi 1_{3,3}+\lambda\xi 2_{3,3}\}$

» $\Big\{e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\xi 1_{1,2}+e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\xi 1_{1,1}\xi 1_{1,2}-e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\xi 1_{1,2}\xi 1_{2,2}+$
$\xi 2_{1,2}+\lambda\xi 1_{1,1}\xi 2_{1,2}-\lambda\xi 1_{2,2}\xi 2_{1,2}+\lambda\xi 2_{1,1}\xi 2_{1,2}-\lambda\xi 2_{1,2}\xi 2_{2,2}-\xi 1_{1,1}\mathtt{f}_{1,2}[\lambda]+$
$\xi 1_{2,2}\mathtt{f}_{1,2}[\lambda]-\xi 2_{1,1}\mathtt{f}_{1,2}[\lambda]+\xi 2_{2,2}\mathtt{f}_{1,2}[\lambda]-\mathtt{f}_{1,2}'[\lambda]==0,\ \mathtt{f}_{1,2}[0]==0\Big\}$

» $\Big\{\mathtt{f}_{1,1}[\lambda]\to\lambda\xi 1_{1,1}+\lambda\xi 2_{1,1},\ \mathtt{f}_{1,2}[\lambda]\to e^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\lambda\xi 1_{1,2}+\lambda\xi 2_{1,2},$
$\mathtt{f}_{2,2}[\lambda]\to\lambda\xi 1_{2,2}+\lambda\xi 2_{2,2},\ \mathtt{f}_{3,3}[\lambda]\to\lambda\xi 1_{3,3}+\lambda\xi 2_{3,3}\Big\}$

» $\Big\{e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\xi 1_{2,3}+e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda\xi 1_{2,2}\xi 1_{2,3}-e^{-\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\lambda\xi 1_{2,3}\xi 1_{3,3}+$
$\xi 2_{2,3}+\lambda\xi 1_{2,2}\xi 2_{2,3}-\lambda\xi 1_{3,3}\xi 2_{2,3}+\lambda\xi 2_{2,2}\xi 2_{2,3}-\lambda\xi 2_{2,3}\xi 2_{3,3}-\xi 1_{2,2}\mathtt{f}_{2,3}[\lambda]+$
$\xi 1_{3,3}\mathtt{f}_{2,3}[\lambda]-\xi 2_{2,2}\mathtt{f}_{2,3}[\lambda]+\xi 2_{3,3}\mathtt{f}_{2,3}[\lambda]-\mathtt{f}_{2,3}'[\lambda]==0,\ \mathtt{f}_{2,3}[0]==0\Big\}$

» $\{f_{1,1}[\lambda] \to \lambda\,\xi 1_{1,1} + \lambda\,\xi 2_{1,1},\ f_{1,2}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\,\lambda\,\xi 1_{1,2} + \lambda\,\xi 2_{1,2},$
$f_{2,2}[\lambda] \to \lambda\,\xi 1_{2,2} + \lambda\,\xi 2_{2,2},\ f_{2,3}[\lambda] \to e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{2,3} + \lambda\,\xi 2_{2,3},\ f_{3,3}[\lambda] \to \lambda\,\xi 1_{3,3} + \lambda\,\xi 2_{3,3}\}$

» $\{e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\xi 1_{1,3} + e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{1,1}\,\xi 1_{1,3} - e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{1,3}\,\xi 1_{3,3} - 2\,e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{2,3}\,\xi 2_{1,2} -$
$e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{1,1}\,\xi 1_{2,3}\,\xi 2_{1,2} + e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2} - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2} +$
$\xi 2_{1,3} + \lambda\,\xi 1_{1,1}\,\xi 2_{1,3} - \lambda\,\xi 1_{3,3}\,\xi 2_{1,3} + \lambda\,\xi 2_{1,1}\,\xi 2_{1,3} + e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,2} - \lambda\,\xi 2_{1,3}\,\xi 2_{3,3} -$
$\xi 1_{1,1}\,f_{1,3}[\lambda] + \xi 1_{3,3}\,f_{1,3}[\lambda] - \xi 2_{1,1}\,f_{1,3}[\lambda] + \xi 2_{3,3}\,f_{1,3}[\lambda] - f_{1,3}'[\lambda] == 0,\ f_{1,3}[0] == 0\}$

» $\{f_{1,1}[\lambda] \to \lambda\,\xi 1_{1,1} + \lambda\,\xi 2_{1,1},\ f_{1,2}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\,\lambda\,\xi 1_{1,2} + \lambda\,\xi 2_{1,2},$
$f_{1,3}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{1,3} - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2} + \lambda\,\xi 2_{1,3},$
$f_{2,2}[\lambda] \to \lambda\,\xi 1_{2,2} + \lambda\,\xi 2_{2,2},\ f_{2,3}[\lambda] \to e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{2,3} + \lambda\,\xi 2_{2,3},\ f_{3,3}[\lambda] \to \lambda\,\xi 1_{3,3} + \lambda\,\xi 2_{3,3}\}$

» $\{e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\eta 1_{1,3} + \eta 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3}\,\xi 1_{1,1} -$
$\lambda\,\eta 2_{1,3}\,\xi 1_{1,1} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3}\,\xi 1_{3,3} + \lambda\,\eta 2_{1,3}\,\xi 1_{3,3} - \lambda\,\eta 2_{1,3}\,\xi 2_{1,1} + \lambda\,\eta 2_{1,3}\,\xi 2_{3,3} +$
$\xi 1_{1,1}\,g_{1,3}[\lambda] - \xi 1_{3,3}\,g_{1,3}[\lambda] + \xi 2_{1,1}\,g_{1,3}[\lambda] - \xi 2_{3,3}\,g_{1,3}[\lambda] - g_{1,3}'[\lambda] == 0,\ g_{1,3}[0] == 0\}$

» $\{f_{1,1}[\lambda] \to \lambda\,\xi 1_{1,1} + \lambda\,\xi 2_{1,1},\ f_{1,2}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\,\lambda\,\xi 1_{1,2} + \lambda\,\xi 2_{1,2},$
$f_{1,3}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{1,3} - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2} + \lambda\,\xi 2_{1,3},\ f_{2,2}[\lambda] \to \lambda\,\xi 1_{2,2} + \lambda\,\xi 2_{2,2},$
$f_{2,3}[\lambda] \to e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{2,3} + \lambda\,\xi 2_{2,3},\ f_{3,3}[\lambda] \to \lambda\,\xi 1_{3,3} + \lambda\,\xi 2_{3,3},\ g_{1,3}[\lambda] \to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3} + \lambda\,\eta 2_{1,3}\}$

» $\{e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\eta 1_{1,2} + \eta 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda\,\eta 1_{1,2}\,\xi 1_{1,1} - \lambda\,\eta 2_{1,2}\,\xi 1_{1,1} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda\,\eta 1_{1,2}\,\xi 1_{2,2} + \lambda\,\eta 2_{1,2}\,\xi 1_{2,2} -$
$\lambda\,\eta 2_{1,2}\,\xi 2_{1,1} + \lambda\,\eta 2_{1,2}\,\xi 2_{2,2} - 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3}\,\xi 2_{2,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{2,3} -$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,2}\,\xi 2_{2,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3} +$
$\xi 1_{1,1}\,g_{1,2}[\lambda] - \xi 1_{2,2}\,g_{1,2}[\lambda] + \xi 2_{1,1}\,g_{1,2}[\lambda] - \xi 2_{2,2}\,g_{1,2}[\lambda] - g_{1,2}'[\lambda] == 0,\ g_{1,2}[0] == 0\}$

» $\{f_{1,1}[\lambda] \to \lambda\,\xi 1_{1,1} + \lambda\,\xi 2_{1,1},\ f_{1,2}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\,\lambda\,\xi 1_{1,2} + \lambda\,\xi 2_{1,2},$
$f_{1,3}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{1,3} - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2} + \lambda\,\xi 2_{1,3},$
$f_{2,2}[\lambda] \to \lambda\,\xi 1_{2,2} + \lambda\,\xi 2_{2,2},\ f_{2,3}[\lambda] \to e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{2,3} + \lambda\,\xi 2_{2,3},\ f_{3,3}[\lambda] \to \lambda\,\xi 1_{3,3} + \lambda\,\xi 2_{3,3},$
$g_{1,2}[\lambda] \to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda\,\eta 1_{1,2} + \lambda\,\eta 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,3},\ g_{1,3}[\lambda] \to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3} + \lambda\,\eta 2_{1,3}\}$

» $\{e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\eta 1_{2,3} + \eta 2_{2,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{2,3}\,\xi 1_{2,2} - \lambda\,\eta 2_{2,3}\,\xi 1_{2,2} + e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{2,3}\,\xi 1_{3,3} + \lambda\,\eta 2_{2,3}\,\xi 1_{3,3} +$
$2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3}\,\xi 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2} +$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2} - \lambda\,\eta 2_{2,3}\,\xi 2_{2,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2} + \lambda\,\eta 2_{2,3}\,\xi 2_{3,3} +$
$\xi 1_{2,2}\,g_{2,3}[\lambda] - \xi 1_{3,3}\,g_{2,3}[\lambda] + \xi 2_{2,2}\,g_{2,3}[\lambda] - \xi 2_{3,3}\,g_{2,3}[\lambda] - g_{2,3}'[\lambda] == 0,\ g_{2,3}[0] == 0\}$

» $\{f_{1,1}[\lambda] \to \lambda\,\xi 1_{1,1} + \lambda\,\xi 2_{1,1},\ f_{1,2}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\,\lambda\,\xi 1_{1,2} + \lambda\,\xi 2_{1,2},$
$f_{1,3}[\lambda] \to e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{1,3} - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2} + \lambda\,\xi 2_{1,3},$
$f_{2,2}[\lambda] \to \lambda\,\xi 1_{2,2} + \lambda\,\xi 2_{2,2},\ f_{2,3}[\lambda] \to e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda\,\xi 1_{2,3} + \lambda\,\xi 2_{2,3},$
$f_{3,3}[\lambda] \to \lambda\,\xi 1_{3,3} + \lambda\,\xi 2_{3,3},\ g_{1,2}[\lambda] \to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda\,\eta 1_{1,2} + \lambda\,\eta 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,3},$
$g_{1,3}[\lambda] \to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{1,3} + \lambda\,\eta 2_{1,3},\ g_{2,3}[\lambda] \to e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda\,\eta 1_{2,3} + \lambda\,\eta 2_{2,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\}$

» computed lhs and rhs

» eqns $\{\{-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,\xi 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2} -$
$2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3} +$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3} - \in f_{1,1}'[\lambda] == 0,\ f_{1,1}[0] == 0\},$
$\{2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,\xi 2_{1,2} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2} -$
$2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\xi 2_{2,3} - 3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3} -$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,2}\,\xi 2_{2,3} +$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}\,\xi 2_{3,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3} - \in f_{2,2}'[\lambda] == 0,\ f_{2,2}[0] == 0\},$
$\{2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{1,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3} + 2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\xi 2_{2,3} +$
$3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3} +$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}\,\xi 2_{3,3} -$

$$
\begin{aligned}
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3} - \epsilon\,\mathtt{f}_{3,3}'[\lambda] == 0,\ \mathtt{f}_{3,3}[0] == 0\Big\},\\
&\Big\{2 \in \lambda^2\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2} + 2 \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2} - 2 \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2} -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}^2 + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}^2 - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}^2 -\\
&\quad 2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda\,\eta 1_{2,3}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,3} + e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3} +\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,3} + e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{1,3} -\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3} -\\
&\quad 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3} -\\
&\quad e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3} - e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3} +\\
&\quad e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3} -\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3} -\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3} + e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3} +\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3} -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3} +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}^2\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3} +\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,2}\,\xi 2_{2,3} +\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{3,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3} - \epsilon\,\xi 1_{1,1}\,\mathtt{f}_{1,2}[\lambda] +\\
&\quad \epsilon\,\xi 1_{2,2}\,\mathtt{f}_{1,2}[\lambda] - \epsilon\,\xi 2_{1,1}\,\mathtt{f}_{1,2}[\lambda] + \epsilon\,\xi 2_{2,2}\,\mathtt{f}_{1,2}[\lambda] - e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}} \in \lambda\,\xi 1_{1,2}\,\mathtt{f}_{1,1}'[\lambda] -\\
&\quad \epsilon\,\lambda\,\xi 2_{1,2}\,\mathtt{f}_{1,1}'[\lambda] - \epsilon\,\mathtt{f}_{1,2}'[\lambda] + e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}} \in \lambda\,\xi 1_{1,2}\,\mathtt{f}_{2,2}'[\lambda] + \epsilon\,\lambda\,\xi 2_{1,2}\,\mathtt{f}_{2,2}'[\lambda] == 0,\ \mathtt{f}_{1,2}[0] == 0\Big\},\\
&\Big\{-e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2} - e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2} +\\
&\quad e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2} + 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda\,\eta 1_{1,2}\,\xi 2_{1,3} +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,3} +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 1_{3,3}\,\xi 2_{1,3} -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,3} + 2 \in \lambda^2\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,3} +\\
&\quad 2 \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{2,3} - 2 \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3} + 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3} +\\
&\quad 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3} + 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3} -\\
&\quad 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3} -\\
&\quad 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}\,\xi 2_{2,3} -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3} - e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}^2 + e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{2,3}^2 -\\
&\quad e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3}^2 - 2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2 +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}^2 - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2 -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}^2 + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}^2 -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3} + e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3} - \epsilon\,\xi 1_{2,2}\,\mathtt{f}_{2,3}[\lambda] +\\
&\quad \epsilon\,\xi 1_{3,3}\,\mathtt{f}_{2,3}[\lambda] - \epsilon\,\xi 2_{2,2}\,\mathtt{f}_{2,3}[\lambda] + \epsilon\,\xi 2_{3,3}\,\mathtt{f}_{2,3}[\lambda] - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda\,\xi 1_{2,3}\,\mathtt{f}_{2,2}'[\lambda] -\\
&\quad \epsilon\,\lambda\,\xi 2_{2,3}\,\mathtt{f}_{2,2}'[\lambda] - \epsilon\,\mathtt{f}_{2,3}'[\lambda] + e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda\,\xi 1_{2,3}\,\mathtt{f}_{3,3}'[\lambda] + \epsilon\,\lambda\,\xi 2_{2,3}\,\mathtt{f}_{3,3}'[\lambda] == 0,\ \mathtt{f}_{2,3}[0] == 0\Big\},\\
&\Big\{e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 2_{1,2} + e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{1,2} +\\
&\quad e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2} + e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2} -\\
&\quad e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^4\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2} - e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2} +\\
&\quad \epsilon\,\lambda^2\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,3} + \epsilon\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,3} + 2 \in \lambda^2\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,3} + 2 \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{1,3} -\\
&\quad \epsilon\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3} + \epsilon\,\lambda^2\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,3} + 2 \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,3} +\\
&\quad 2 \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,3} + \epsilon\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,3} - 2 \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,3} -\\
&\quad 2 \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,3} - \epsilon\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{1,3} +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{1,3} -\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3} +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}} \in \lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{1,3} - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}^2 +\\
&\quad e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,3}^2 - e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}} \in \lambda^3\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,3}^2 + e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}} \in \lambda^2\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 2_{2,3} +\\
&\quad e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{2,3} + e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}} \in \lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{2,3} +
\end{aligned}
$$

$$
\begin{aligned}
&e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{2,3}-e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{2,3}-\\
&e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{2,3}+2\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\in\lambda^4\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+\\
&\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-2\in\lambda^4\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-\\
&\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-\\
&\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-\\
&\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{2,3}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{1,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3}\,\xi 2_{2,3}-\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}-\\
&e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{1,1}\,\xi 1_{2,3}\,f_{1,2}[\lambda]+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{2,2}\,\xi 1_{2,3}\,f_{1,2}[\lambda]-\\
&e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{2,3}\,\xi 2_{1,1}\,f_{1,2}[\lambda]+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{2,3}\,\xi 2_{2,2}\,f_{1,2}[\lambda]-\in\lambda\,\xi 1_{1,1}\,\xi 2_{2,3}\,f_{1,2}[\lambda]+\\
&\in\lambda\,\xi 1_{2,2}\,\xi 2_{2,3}\,f_{1,2}[\lambda]-\in\lambda\,\xi 2_{1,1}\,\xi 2_{2,3}\,f_{1,2}[\lambda]+\in\lambda\,\xi 2_{2,2}\,\xi 2_{2,3}\,f_{1,2}[\lambda]-\in\xi 1_{1,1}\,f_{1,3}[\lambda]+\in\xi 1_{3,3}\,f_{1,3}[\lambda]-\\
&\in\xi 2_{1,1}\,f_{1,3}[\lambda]+\in\xi 2_{3,3}\,f_{1,3}[\lambda]-e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\xi 1_{1,2}\,f_{2,3}[\lambda]-e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda\,\xi 1_{1,1}\,\xi 1_{1,2}\,f_{2,3}[\lambda]+\\
&e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda\,\xi 1_{1,2}\,\xi 1_{2,2}\,f_{2,3}[\lambda]-\in\xi 2_{1,2}\,f_{2,3}[\lambda]-\in\lambda\,\xi 1_{1,1}\,\xi 2_{1,2}\,f_{2,3}[\lambda]+\in\lambda\,\xi 1_{2,2}\,\xi 2_{1,2}\,f_{2,3}[\lambda]-\\
&\in\lambda\,\xi 2_{1,1}\,\xi 2_{1,2}\,f_{2,3}[\lambda]+\in\lambda\,\xi 2_{1,2}\,\xi 2_{2,2}\,f_{2,3}[\lambda]-e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{1,3}\,f_{1,1}'[\lambda]-\\
&e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\xi 1_{1,2}\,\xi 1_{2,3}\,f_{1,1}'[\lambda]-\in\lambda\,\xi 2_{1,3}\,f_{1,1}'[\lambda]-e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^2\,\xi 1_{1,2}\,\xi 2_{2,3}\,f_{1,1}'[\lambda]-\\
&\in\lambda^2\,\xi 2_{1,2}\,\xi 2_{2,3}\,f_{1,1}'[\lambda]-e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{2,3}\,f_{1,2}'[\lambda]-\in\lambda\,\xi 2_{2,3}\,f_{1,2}'[\lambda]-\in f_{1,3}'[\lambda]+\\
&e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\xi 1_{1,2}\,\xi 1_{2,3}\,f_{2,2}'[\lambda]+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2}\,f_{2,2}'[\lambda]+\\
&e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^2\,\xi 1_{1,2}\,\xi 2_{2,3}\,f_{2,2}'[\lambda]+\in\lambda^2\,\xi 2_{1,2}\,\xi 2_{2,3}\,f_{2,2}'[\lambda]+e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{1,3}\,f_{3,3}'[\lambda]-\\
&e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\xi 1_{2,3}\,\xi 2_{1,2}\,f_{3,3}'[\lambda]+\in\lambda\,\xi 2_{1,3}\,f_{3,3}'[\lambda]==0,\ f_{1,3}[0]==0\Big\},\\
&\Big\{-2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\eta 2_{1,2}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{1,1}-2\in\lambda^2\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,2}-\\
&2\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}+2\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}-2\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,3}-\\
&2\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{3,3}+2\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 2_{1,1}-2\,e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,2}-\\
&3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}-\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}-\\
&2\,e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 1_{2,3}\,\xi 2_{1,2}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}-\\
&2\,e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{3,3}\,\xi 2_{1,2}+2\,e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}+\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}-e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}^2\,\xi 2_{1,3}+\\
&4\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,3}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 2_{1,3}-\\
&e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 1_{3,3}\,\xi 2_{1,3}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 2_{1,1}\,\xi 2_{1,3}+\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 2_{2,2}+\\
&e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}+\\
&e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{2,3}+\\
&2\,e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 1_{1,2}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 2_{2,3}+\\
&2\,e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3}-\\
&2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{2,3}-2\,e^{2\,\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{2,3}-\\
&2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3}+\\
&2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{3,3}\,\xi 2_{2,3}+3\,e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 2_{1,2}\,\xi 2_{2,3}+\\
&3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-2\,e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-
\end{aligned}
$$

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$$4\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$3\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{2,2}\,\xi 2_{2,3}-$$
$$2\,e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}-4\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}-$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 2_{1,3}\,\xi 2_{3,3}-2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}+$$
$$e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}+$$
$$\in\xi 1_{1,1}\,g_{1,3}[\lambda]-\in\xi 1_{3,3}\,g_{1,3}[\lambda]+\in\xi 2_{1,1}\,g_{1,3}[\lambda]-\in\xi 2_{3,3}\,g_{1,3}[\lambda]+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,f_{1,1}'[\lambda]+$$
$$\in\lambda\,\eta 2_{1,3}\,f_{1,1}'[\lambda]-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,f_{3,3}'[\lambda]-\in\lambda\,\eta 2_{1,3}\,f_{3,3}'[\lambda]-\in g_{1,3}'[\lambda]==0,\ g_{1,3}[0]==0\Big\},$$
$$\Big\{\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{2,3}+\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}-\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,3}+$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}^2\,\xi 2_{1,2}+4\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\eta 2_{1,2}\,\xi 2_{1,2}+e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}^2\,\xi 1_{1,1}\,\xi 2_{1,2}-$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}^2\,\xi 1_{2,2}\,\xi 2_{1,2}-e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}+$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}-e^{\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}-$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}-$$
$$e^{\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}+e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}-$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}+e^{\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}+\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}+$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}^2\,\xi 2_{1,1}\,\xi 2_{1,2}+2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}+$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,3}+2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,3}+$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,3}+e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,3}+$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,3}+$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,3}-e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,3}-$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3}+$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,3}+$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}-e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}^2\,\xi 2_{1,2}\,\xi 2_{2,2}-$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 2_{2,3}-$$
$$e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 2_{2,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{2,3}-$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{2,3}-2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3}-$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{2,3}+e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{3,3}\,\xi 2_{2,3}+$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{2,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,3}+$$
$$2\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{2,3}+$$
$$2\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{3,3}\,\xi 2_{2,3}+$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3}-2\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3}-$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 2_{1,3}\,\xi 2_{2,3}-2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,3}\,\xi 2_{2,3}-$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 2_{1,3}\,\xi 2_{2,3}+e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{3,3}\,\xi 2_{1,3}\,\xi 2_{2,3}-$$
$$e^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,1}\,\xi 2_{1,3}\,\xi 2_{2,3}-e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}\,\xi 2_{2,3}+$$
$$e^{2\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}-$$
$$e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{2,3}^2+$$
$$e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{2,3}^2-e^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{3,3}\,\xi 2_{2,3}^2-$$
$$2\,e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2+e^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}^2-$$

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\begin{aligned}
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}^2+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}^2-e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}+\\
&e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 1_{2,2}\,f_{2,3}[\lambda]-\epsilon\,\lambda\,\eta 2_{1,3}\,\xi 1_{2,2}\,f_{2,3}[\lambda]+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 1_{3,3}\,f_{2,3}[\lambda]+\\
&\epsilon\,\lambda\,\eta 2_{1,3}\,\xi 1_{3,3}\,f_{2,3}[\lambda]-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{2,2}\,f_{2,3}[\lambda]-\epsilon\,\lambda\,\eta 2_{1,3}\,\xi 2_{2,2}\,f_{2,3}[\lambda]+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{3,3}\,f_{2,3}[\lambda]+\epsilon\,\lambda\,\eta 2_{1,3}\,\xi 2_{3,3}\,f_{2,3}[\lambda]+\epsilon\,\xi 1_{1,1}\,g_{1,2}[\lambda]-\\
&\epsilon\,\xi 1_{2,2}\,g_{1,2}[\lambda]+\epsilon\,\xi 2_{1,1}\,g_{1,2}[\lambda]-\epsilon\,\xi 2_{2,2}\,g_{1,2}[\lambda]-e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\xi 1_{2,3}\,g_{1,3}[\lambda]-\\
&e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{2,2}\,\xi 1_{2,3}\,g_{1,3}[\lambda]+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda\,\xi 1_{2,3}\,\xi 1_{3,3}\,g_{1,3}[\lambda]-\epsilon\,\xi 2_{2,3}\,g_{1,3}[\lambda]-\\
&\epsilon\,\lambda\,\xi 1_{2,2}\,\xi 2_{2,3}\,g_{1,3}[\lambda]+\epsilon\,\lambda\,\xi 1_{3,3}\,\xi 2_{2,3}\,g_{1,3}[\lambda]-\epsilon\,\lambda\,\xi 2_{2,2}\,\xi 2_{2,3}\,g_{1,3}[\lambda]+\epsilon\,\lambda\,\xi 2_{2,3}\,\xi 2_{3,3}\,g_{1,3}[\lambda]+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,f_{1,1}'[\lambda]+\epsilon\,\lambda\,\eta 2_{1,2}\,f_{1,1}'[\lambda]-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,3}\,f_{1,1}'[\lambda]-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,f_{2,2}'[\lambda]-\epsilon\,\lambda\,\eta 2_{1,2}\,f_{2,2}'[\lambda]-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{2,3}\,f_{2,2}'[\lambda]-\\
&e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 2_{1,3}\,\xi 1_{2,3}\,f_{2,2}'[\lambda]-\epsilon\,\lambda^2\,\eta 2_{1,3}\,\xi 2_{2,3}\,f_{2,2}'[\lambda]-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,f_{2,3}'[\lambda]-\\
&\epsilon\,\lambda\,\eta 2_{1,3}\,f_{2,3}'[\lambda]+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{2,3}\,f_{3,3}'[\lambda]+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 2_{1,3}\,\xi 1_{2,3}\,f_{3,3}'[\lambda]+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{2,3}\,f_{3,3}'[\lambda]+\epsilon\,\lambda^2\,\eta 2_{1,3}\,\xi 2_{2,3}\,f_{3,3}'[\lambda]-\epsilon\,g_{1,2}'[\lambda]==0,\ g_{1,2}[0]==0\Big\},\\
\Big\{&-e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{1,2}-e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}+\\
&e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 2_{1,2}-\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\eta 2_{2,3}\,\xi 2_{1,2}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,2}-\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}-\\
&2\,\epsilon\,\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}-\\
&2\,\epsilon\,\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{1,2}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}+\\
&2\,\epsilon\,\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,2}+\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}-e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,2}^2-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,2}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 2_{1,2}^2-\\
&e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}^2-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}^2-\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}^2+e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}^2+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,2}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}^2-\\
&e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}^2-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}^2+\\
&e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{1,3}+2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{1,3}+\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\eta 2_{2,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,3}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}-\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,3}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3}+\\
&e^{\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}^2\,\xi 2_{1,2}\,\xi 2_{1,3}+\\
&2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}-\\
&e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{1,3}+e^{2\,\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}+\\
&e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,2}+\\
&e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\eta 2_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,2}+\\
&e^{2\,\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,2}\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,2}\,\xi 2_{1,2}^2\,\xi 2_{2,2}+\\
&e^{2\,\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}^2\,\xi 2_{2,3}+4\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\eta 2_{2,3}\,\xi 2_{2,3}+\\
&2\,e^{2\,\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3}+e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 2_{2,3}+\\
&2\,e^{2\,\lambda\,\xi 2_{2,2}-2\,\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3}+e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3}+
\end{aligned}
$$

$$\mathbb{e}^{2\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}^2\,\xi 1_{2,2}\,\xi 2_{2,3}-2\,\mathbb{e}^{2\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{2,3}-$$
$$\mathbb{e}^{-\lambda\xi 2_{1,1}+2\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{2,3}-\mathbb{e}^{2\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}^2\,\xi 1_{3,3}\,\xi 2_{2,3}+$$
$$4\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$6\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+$$
$$2\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+3\,\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+2\,\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{2,2}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 1_{3,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$$
$$2\,\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 2_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$$
$$\mathbb{e}^{2\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}^2\,\xi 2_{2,2}\,\xi 2_{2,3}+2\,\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{2,3}\,\xi 2_{2,2}\,\xi 2_{2,3}-$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}-\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 2_{1,2}^2\,\xi 2_{2,2}\,\xi 2_{2,3}-$$
$$\mathbb{e}^{\lambda\xi 2_{2,1}-\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,2}\,\xi 2_{2,3}-\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\eta 2_{2,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-$$
$$\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}^2\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3}-$$
$$\mathbb{e}^{2\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}^2\,\xi 2_{2,3}\,\xi 2_{3,3}-2\,\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\eta 2_{2,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-$$
$$2\,\mathbb{e}^{\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}-2\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}-2\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\eta 2_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}-$$
$$\mathbb{e}^{2\lambda\xi 2_{1,1}-2\lambda\xi 2_{3,3}}\in\lambda^5\,\eta 1_{1,3}^2\,\xi 2_{1,2}^2\,\xi 2_{2,3}\,\xi 2_{3,3}+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 1_{1,1}\,\mathtt{f}_{1,2}[\lambda]+$$
$$\in\lambda\,\eta 2_{1,3}\,\xi 1_{1,1}\,\mathtt{f}_{1,2}[\lambda]-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 1_{2,2}\,\mathtt{f}_{1,2}[\lambda]-\in\lambda\,\eta 2_{1,3}\,\xi 1_{2,2}\,\mathtt{f}_{1,2}[\lambda]+$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{1,1}\,\mathtt{f}_{1,2}[\lambda]+\in\lambda\,\eta 2_{1,3}\,\xi 2_{1,1}\,\mathtt{f}_{1,2}[\lambda]-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{2,2}\,\mathtt{f}_{1,2}[\lambda]-$$
$$\in\lambda\,\eta 2_{1,3}\,\xi 2_{2,2}\,\mathtt{f}_{1,2}[\lambda]+\mathbb{e}^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\in\xi 1_{1,2}\,\mathtt{g}_{1,3}[\lambda]+\mathbb{e}^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\in\lambda\,\xi 1_{1,1}\,\xi 1_{1,2}\,\mathtt{g}_{1,3}[\lambda]-$$
$$\mathbb{e}^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\in\lambda\,\xi 1_{1,2}\,\xi 1_{2,2}\,\mathtt{g}_{1,3}[\lambda]+\in\xi 2_{1,2}\,\mathtt{g}_{1,3}[\lambda]+\in\lambda\,\xi 1_{1,1}\,\xi 2_{1,2}\,\mathtt{g}_{1,3}[\lambda]-$$
$$\in\lambda\,\xi 1_{2,2}\,\xi 2_{1,2}\,\mathtt{g}_{1,3}[\lambda]+\in\lambda\,\xi 2_{1,1}\,\xi 2_{1,2}\,\mathtt{g}_{1,3}[\lambda]-\in\lambda\,\xi 2_{1,2}\,\xi 2_{2,2}\,\mathtt{g}_{1,3}[\lambda]+\in\xi 1_{2,2}\,\mathtt{g}_{2,3}[\lambda]-$$
$$\in\xi 1_{3,3}\,\mathtt{g}_{2,3}[\lambda]+\in\xi 2_{2,2}\,\mathtt{g}_{2,3}[\lambda]-\in\xi 2_{3,3}\,\mathtt{g}_{2,3}[\lambda]+\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{1,2}\,\mathtt{f}_{1,1}'[\lambda]+$$
$$\mathbb{e}^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 2_{1,3}\,\xi 1_{1,2}\,\mathtt{f}_{1,1}'[\lambda]+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\mathtt{f}_{1,1}'[\lambda]+$$
$$\in\lambda^2\,\eta 2_{1,3}\,\xi 2_{1,2}\,\mathtt{f}_{1,1}'[\lambda]+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\mathtt{f}_{1,2}'[\lambda]+\in\lambda\,\eta 2_{1,3}\,\mathtt{f}_{1,2}'[\lambda]+$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\mathtt{f}_{2,2}'[\lambda]+\in\lambda\,\eta 2_{2,3}\,\mathtt{f}_{2,2}'[\lambda]-\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{1,2}\,\mathtt{f}_{2,2}'[\lambda]-$$
$$\mathbb{e}^{-\lambda\xi 2_{1,1}+\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 2_{1,3}\,\xi 1_{1,2}\,\mathtt{f}_{2,2}'[\lambda]-\in\lambda^2\,\eta 2_{1,3}\,\xi 2_{1,2}\,\mathtt{f}_{2,2}'[\lambda]-\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\mathtt{f}_{3,3}'[\lambda]-$$
$$\in\lambda\,\eta 2_{2,3}\,\mathtt{f}_{3,3}'[\lambda]-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\mathtt{f}_{3,3}'[\lambda]-\in\mathtt{g}_{2,3}'[\lambda]==0,\ \mathtt{g}_{2,3}[0]==0\Big\}\Big\}$$

» $$\Big\{-2\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,\xi 2_{1,2}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}-$$
$$2\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{1,3}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-\in\mathtt{f}_{1,1}'[\lambda]==0,\ \mathtt{f}_{1,1}[0]==0\Big\}$$

» $$\Big\{\mathtt{f}_{1,1}[\lambda]\to-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}\Big\}$$

» $$\Big\{2\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,\xi 2_{1,2}+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}-$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}-2\,\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\xi 2_{2,3}-3\,\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-$$
$$\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,2}\,\xi 2_{2,3}+$$
$$\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}\,\xi 2_{3,3}+\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}-\in\mathtt{f}_{2,2}'[\lambda]==0,\ \mathtt{f}_{2,2}[0]==0\Big\}$$

» $$\Big\{\mathtt{f}_{1,1}[\lambda]\to-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3},$$
$$\mathtt{f}_{2,2}[\lambda]\to\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{2,2}}\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-\mathbb{e}^{\lambda\xi 2_{2,2}-\lambda\xi 2_{3,3}}\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}-\mathbb{e}^{\lambda\xi 2_{1,1}-\lambda\xi 2_{3,3}}\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\Big\}$$

» $\left\{2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{1,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\xi 2_{2,3}+\right.$
$3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-$
$\left.e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}-\in f_{3,3}'[\lambda]==0,\,f_{3,3}[0]==0\right\}$

» $\left\{f_{1,1}[\lambda]\to -e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3},\right.$
$f_{2,2}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3},$
$\left.f_{3,3}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\right\}$

» $\left\{6\in\lambda^2\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}+2\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}-2\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}+\right.$
$2\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}+3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 2_{1,2}^2-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}^2+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}^2-$
$2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda\,\eta 1_{2,3}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,3}+3\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{1,3}-$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,3}-2\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,2}-$
$2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,2}\,\xi 2_{1,2}^2\,\xi 2_{2,2}-3\,e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3}-$
$e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{2,3}+e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{2,3}-$
$3\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-$
$4\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-$
$4\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-$
$e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,2}\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3}+$
$e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}\,\xi 2_{3,3}-$
$\left.\in\xi 1_{1,1}\,f_{1,2}[\lambda]+\in\xi 1_{2,2}\,f_{1,2}[\lambda]-\in\xi 2_{1,1}\,f_{1,2}[\lambda]+\in\xi 2_{2,2}\,f_{1,2}[\lambda]-\in f_{1,2}'[\lambda]==0,\,f_{1,2}[0]==0\right\}$

» $\left\{f_{1,1}[\lambda]\to -e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3},\right.$
$f_{1,2}[\lambda]\to 2\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^3\,\eta 1_{1,2}\,\xi 2_{1,2}^2-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}-e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3}-$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3},$
$f_{2,2}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3},$
$\left.f_{3,3}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\right\}$

» $\Big\{-3\,e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}+$
$e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}+$
$2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda\,\eta 1_{1,2}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 1_{2,2}\,\xi 2_{1,3}+3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 1_{3,3}\,\xi 2_{1,3}-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,1}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,2}+$
$6\in\lambda^2\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,3}+2\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{2,3}-2\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3}+$
$8\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-$
$2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}+$
$2\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,2}\,\xi 2_{2,3}+3\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}^2+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,2}\,\xi 2_{2,3}^2-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{2,3}^2+$
$4\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,2}\,\xi 2_{1,2}\,\xi 2_{2,3}^2-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}^2+$
$2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{2,2}\,\xi 2_{2,3}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}\,\xi 2_{2,3}^2-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-$
$2\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}-$
$2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{2,3}^2\,\xi 2_{3,3}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2\,\xi 2_{3,3}-\in\xi 1_{2,2}\,f_{2,3}[\lambda]+$
$\in\xi 1_{3,3}\,f_{2,3}[\lambda]-\in\xi 2_{2,2}\,f_{2,3}[\lambda]+\in\xi 2_{3,3}\,f_{2,3}[\lambda]-\in f_{2,3}'[\lambda]==0,\,f_{2,3}[0]==0\Big\}$

» $\Big\{f_{1,1}[\lambda]\to-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3},$
$f_{1,2}[\lambda]\to 2\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^3\,\eta 1_{1,2}\,\xi 2_{1,2}^2-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}-e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3}-$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3},$
$f_{2,2}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3},$
$f_{2,3}[\lambda]\to-e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,3}+2\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 2_{2,3}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2,$
$f_{3,3}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\Big\}$

» $\Big\{3\,e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 2_{1,2}+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{1,2}-$
$e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}+e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}+$
$6\in\lambda^2\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,3}+2\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{1,3}+3\in\lambda^2\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,3}+$
$\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{2,3}\,\xi 2_{1,3}-2\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,3}-\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3}+$
$2\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}+\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3}-4\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3}-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{1,3}-$
$2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}+3\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}^2+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,3}^2-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,3}^2+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,3}^2-$
$e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,2}+$
$3\,e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^2\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 2_{2,3}+e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{2,3}-$
$e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{2,3}+4\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-$
$4\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$
$\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{2,3}-$
$5\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$
$3\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,1}\,\xi 2_{1,3}\,\xi 2_{2,3}-$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{3,3}\,\xi 2_{1,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,1}\,\xi 2_{1,3}\,\xi 2_{2,3}+$
$4\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{3,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,1}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}+$
$e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 2_{2,2}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,2}\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{2,2}\,\xi 2_{2,3}-2\in\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,3}\,\xi 2_{3,3}-\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{3,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{3,3}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,3}^2\,\xi 2_{3,3}-$
$e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\in\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-\in\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}+$
$\in\lambda^4\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\,\xi 2_{3,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\in\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}\,\xi 2_{3,3}-$
$2\,e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\in\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\in\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3}\,\xi 2_{3,3}-$
$\in\xi 1_{1,1}\,f_{1,3}[\lambda]+\in\xi 1_{3,3}\,f_{1,3}[\lambda]-\in\xi 2_{1,1}\,f_{1,3}[\lambda]+\in\xi 2_{3,3}\,f_{1,3}[\lambda]-\in f_{1,3}'[\lambda]==0,\,f_{1,3}[0]==0\Big\}$

» $\Big\{f_{1,1}[\lambda]\to-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3},$
$f_{1,2}[\lambda]\to 2\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,2}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^3\,\eta 1_{1,2}\,\xi 2_{1,2}^2-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,3}-e^{-\lambda\,\xi 2_{1,1}+2\,\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,2}\,\xi 2_{2,3}-$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,2}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3},$
$f_{1,3}[\lambda]\to e^{-\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{1,3}\,\xi 2_{1,2}+2\,\lambda^3\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,3}+\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,3}-$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,3}^2+e^{-\lambda\,\xi 2_{1,1}+\lambda\,\xi 2_{2,2}}\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{1,3}\,\xi 2_{2,3}+$
$\lambda^4\,\eta 1_{1,3}\,\xi 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-\lambda^4\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^5\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}^2\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 2_{1,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{1,3}\,\xi 2_{2,3},$
$f_{2,2}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,2}-e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}-e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3},$
$f_{2,3}[\lambda]\to-e^{\lambda\,\xi 2_{1,1}-2\,\lambda\,\xi 2_{2,2}+\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,2}\,\xi 1_{2,3}\,\xi 2_{1,2}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^2\,\eta 1_{1,2}\,\xi 2_{1,3}+$
$e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^3\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,3}+2\,\lambda^3\,\eta 1_{2,3}\,\xi 1_{2,3}\,\xi 2_{2,3}+2\,e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{2,2}}\,\lambda^4\,\eta 1_{1,3}\,\xi 1_{2,3}\,\xi 2_{1,2}\,\xi 2_{2,3}+$
$e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{2,3}\,\xi 2_{2,3}^2+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^4\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}^2,$
$f_{3,3}[\lambda]\to e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{1,3}\,\xi 2_{1,3}+e^{\lambda\,\xi 2_{2,2}-\lambda\,\xi 2_{3,3}}\,\lambda^2\,\eta 1_{2,3}\,\xi 2_{2,3}+e^{\lambda\,\xi 2_{1,1}-\lambda\,\xi 2_{3,3}}\,\lambda^3\,\eta 1_{1,3}\,\xi 2_{1,2}\,\xi 2_{2,3}\Big\}$

» $\{-2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda\,\eta1_{2,3}\,\eta2_{1,2}+e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{2,3}\,\eta2_{1,2}\,\xi1_{1,1}-2\in\lambda^2\,\eta1_{1,2}\,\eta2_{1,3}\,\xi1_{1,2}-$
$2\in\lambda^3\,\eta1_{1,2}\,\eta2_{1,3}\,\xi1_{1,1}\,\xi1_{1,2}+2\in\lambda^3\,\eta1_{1,2}\,\eta2_{1,3}\,\xi1_{1,2}\,\xi1_{2,2}-2\in\lambda^2\,\eta1_{2,3}\,\eta2_{1,3}\,\xi1_{2,3}-$
$2\in\lambda^3\,\eta1_{2,3}\,\eta2_{1,3}\,\xi1_{2,2}\,\xi1_{2,3}-e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{2,3}\,\eta2_{1,2}\,\xi1_{3,3}+2\in\lambda^3\,\eta1_{2,3}\,\eta2_{1,3}\,\xi1_{2,3}\,\xi1_{3,3}+$
$e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{2,3}\,\eta2_{1,2}\,\xi2_{1,1}-4\,e^{2\,\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{1,2}\,\eta1_{1,3}\,\xi2_{1,2}-$
$3\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{1,3}\,\eta2_{1,2}\,\xi2_{1,2}-2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^2\,\eta1_{1,2}\,\eta2_{1,3}\,\xi2_{1,2}+$
$e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta2_{1,2}\,\xi1_{1,1}\,\xi2_{1,2}-2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}\,\eta2_{1,3}\,\xi1_{1,1}\,\xi2_{1,2}+$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}\,\eta2_{1,3}\,\xi1_{2,2}\,\xi2_{1,2}-2\,e^{2\,\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}^2\,\xi1_{2,3}\,\xi2_{1,2}-$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{2,3}\,\xi2_{1,2}-2\,e^{2\,\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{2,2}\,\xi1_{2,3}\,\xi2_{1,2}-$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{2,2}\,\xi1_{2,3}\,\xi2_{1,2}-e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta2_{1,2}\,\xi1_{3,3}\,\xi2_{1,2}+$
$2\,e^{2\,\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{2,3}\,\xi1_{3,3}\,\xi2_{1,2}+2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{2,3}\,\xi1_{3,3}\,\xi2_{1,2}-$
$2\,e^{2\,\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,2}\,\eta1_{1,3}\,\xi2_{1,1}\,\xi2_{1,2}-2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}\,\eta2_{1,3}\,\xi2_{1,1}\,\xi2_{1,2}-$
$3\,e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{1,3}^2\,\xi2_{1,3}+e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}^2\,\xi1_{1,1}\,\xi2_{1,3}-$
$e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}^2\,\xi1_{3,3}\,\xi2_{1,3}-e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}^2\,\xi2_{1,1}\,\xi2_{1,3}-$
$e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{2,3}\,\eta2_{1,2}\,\xi2_{2,2}+2\,e^{2\,\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,2}\,\eta1_{1,3}\,\xi2_{1,2}\,\xi2_{2,2}+$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}\,\eta2_{1,3}\,\xi2_{1,2}\,\xi2_{2,2}-e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{1,3}\,\eta1_{2,3}\,\xi2_{2,3}-$
$2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^2\,\eta1_{2,3}\,\eta2_{1,3}\,\xi2_{2,3}-e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta1_{2,3}\,\xi1_{1,1}\,\xi2_{2,3}+$
$2\,e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}^2\,\xi1_{1,2}\,\xi2_{2,3}+2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{1,2}\,\xi2_{2,3}+$
$2\,e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{1,1}\,\xi1_{1,2}\,\xi2_{2,3}+2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{1,1}\,\xi1_{1,2}\,\xi2_{2,3}-$
$2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{2,3}\,\eta2_{1,3}\,\xi1_{2,2}\,\xi2_{2,3}-2\,e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{1,2}\,\xi1_{2,2}\,\xi2_{2,3}-$
$2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{1,2}\,\xi1_{2,2}\,\xi2_{2,3}+e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta1_{2,3}\,\xi1_{3,3}\,\xi2_{2,3}+$
$2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{2,3}\,\eta2_{1,3}\,\xi1_{3,3}\,\xi2_{2,3}+e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{1,1}\,\xi2_{1,2}\,\xi2_{2,3}+$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{1,1}\,\xi2_{1,2}\,\xi2_{2,3}-2\,e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{2,2}\,\xi2_{1,2}\,\xi2_{2,3}-$
$4\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{2,2}\,\xi2_{1,2}\,\xi2_{2,3}+e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi1_{3,3}\,\xi2_{1,2}\,\xi2_{2,3}+$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi1_{3,3}\,\xi2_{1,2}\,\xi2_{2,3}+e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi2_{1,1}\,\xi2_{1,2}\,\xi2_{2,3}+$
$2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi2_{1,1}\,\xi2_{1,2}\,\xi2_{2,3}-e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta1_{2,3}\,\xi2_{2,2}\,\xi2_{2,3}-$
$2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{2,3}\,\eta2_{1,3}\,\xi2_{2,2}\,\xi2_{2,3}-2\,e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi2_{1,2}\,\xi2_{2,2}\,\xi2_{2,3}-$
$4\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi2_{1,2}\,\xi2_{2,2}\,\xi2_{2,3}+e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}^2\,\xi2_{1,3}\,\xi2_{3,3}+$
$e^{\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}-2\,\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{1,3}\,\eta1_{2,3}\,\xi2_{2,3}\,\xi2_{3,3}+2\,e^{\lambda\,\xi2_{2,2}-\lambda\,\xi2_{3,3}}\in\lambda^3\,\eta1_{2,3}\,\eta2_{1,3}\,\xi2_{2,3}\,\xi2_{3,3}+$
$e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}^2\,\xi2_{1,2}\,\xi2_{2,3}\,\xi2_{3,3}+2\,e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{3,3}}\in\lambda^4\,\eta1_{1,3}\,\eta2_{1,3}\,\xi2_{1,2}\,\xi2_{2,3}\,\xi2_{3,3}+$
$\in\xi1_{1,1}\,g_{1,3}[\lambda]-\in\xi1_{3,3}\,g_{1,3}[\lambda]+\in\xi2_{1,1}\,g_{1,3}[\lambda]-\in\xi2_{3,3}\,g_{1,3}[\lambda]-\in g_{1,3}'[\lambda]==0,\ g_{1,3}[0]==0\}$

Out[•]=

$Aborted

Dot: Tensors

$\{\lambda\,\xi1_{1,1}+\lambda\,\xi2_{1,1}-e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^2\,\eta1_{1,2}\,\xi2_{1,2},\ \lambda\,\xi1_{2,2}+e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^2\,\eta1_{1,2}\,\xi2_{1,2}+\lambda\,\xi2_{2,2},\ e^{-\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}}\,\lambda\,\xi1_{1,2}+\lambda\,\xi2_{1,2}+2\in\lambda^3\,\eta1_{1,2}$
$\xi1_{1,2}\,\xi2_{1,2}+e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}\,\xi2_{1,2}^2,\ e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\,\lambda\,\eta1_{1,2}+\lambda\,\eta2_{1,2}-e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}^2\,\xi2_{1,2}\}$ and

$\{x_{1,1},\ x_{2,2},\ x_{3,3},\ x_{1,2},\ x_{2,3},\ x_{1,3},\ y_{1,3},\ y_{1,2},\ y_{2,3}\}$ have incompatible shapes.

Out[•]=

$\{\lambda\,\xi1_{1,1}+\lambda\,\xi2_{1,1}-e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^2\,\eta1_{1,2}\,\xi2_{1,2},\ \lambda\,\xi1_{2,2}+e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^2\,\eta1_{1,2}\,\xi2_{1,2}+\lambda\,\xi2_{2,2},$
$e^{-\lambda\,\xi2_{1,1}+\lambda\,\xi2_{2,2}}\,\lambda\,\xi1_{1,2}+\lambda\,\xi2_{1,2}+2\in\lambda^3\,\eta1_{1,2}\,\xi1_{1,2}\,\xi2_{1,2}+e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}\,\xi2_{1,2}^2,$
$e^{\lambda\,\xi2_{1,1}-\lambda\,\xi2_{2,2}}\,\lambda\,\eta1_{1,2}+\lambda\,\eta2_{1,2}-e^{2\,\lambda\,\xi2_{1,1}-2\,\lambda\,\xi2_{2,2}}\in\lambda^3\,\eta1_{1,2}^2\,\xi2_{1,2}\}.$

$\{x_{1,1},\ x_{2,2},\ x_{3,3},\ x_{1,2},\ x_{2,3},\ x_{1,3},\ y_{1,3},\ y_{1,2},\ y_{2,3}\}$

```
osol = 𝔼{i,j}→{k}[y1,2[k] η1,2[i] + e^(-ξ1,1[i]+ξ2,2[i]) y1,2[k] η1,2[j] + y1,3[k] η1,3[i] +
    e^(-ξ1,1[i]+ξ3,3[i]) y1,3[k] η1,3[j] + y2,3[k] η2,3[i] + e^(-ξ2,2[i]+ξ3,3[i]) y2,3[k] η2,3[j] +
    x1,1[k] ξ1,1[i] + x1,1[k] ξ1,1[j] + e^(-ξ1,1[j]) x1,2[k] ξ1,2[i] - e^ξ3,3[i] y2,3[k] η1,3[j] ξ1,2[i] +
```

$$
\begin{aligned}
&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]-\\
&2\,e^{-\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]-\\
&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]-
\end{aligned}
$$

```
    e^(-ξ1,1[j]-ξ2,2[i]+2 ξ3,3[i]) x1,2[k] η2,3[j]^2 ξ1,3[i] ξ2,3[i] +
    2 e^(-ξ2,2[i]+3 ξ3,3[i]) y2,3[k] η1,3[j] η2,3[j]^2 ξ1,3[i] ξ2,3[i] - e^(ξ2,2[i]+2 ξ3,3[i]) x1,1[k] η1,3[j]^2
     ξ1,2[i] ξ1,3[i] ξ2,3[i] + e^(ξ2,2[i]+2 ξ3,3[i]) x2,2[k] η1,3[j]^2 ξ1,2[i] ξ1,3[i] ξ2,3[i] +
    4 e^(-ξ1,1[i]+2 ξ2,2[i]+2 ξ3,3[i]) y1,2[k] η1,2[j] η1,3[j]^2 ξ1,2[i] ξ1,3[i] ξ2,3[i] +
    e^(-ξ1,1[j]+2 ξ3,3[i]) x1,2[k] η1,3[j] η2,3[j] ξ1,2[i] ξ1,3[i] ξ2,3[i] -
    2 e^(3 ξ3,3[i]) y2,3[k] η1,3[j]^2 η2,3[j] ξ1,2[i] ξ1,3[i] ξ2,3[i] +
    e^(-ξ2,2[i]+2 ξ3,3[i]) x1,2[k] η1,3[j] η2,3[j] ξ1,2[j] ξ1,3[i] ξ2,3[i] -
    e^(2 ξ3,3[i]) x1,2[k] η1,3[j]^2 ξ1,2[i] ξ1,2[j] ξ1,3[i] ξ2,3[i] +
    e^(-ξ1,1[i]+ξ2,2[i]+3 ξ3,3[i]) y1,2[k] η1,3[j]^3 ξ1,3[i]^2 ξ2,3[i] -
    1/2 e^(2 ξ3,3[i]) x2,2[k] η2,3[j]^2 ξ2,3[i]^2 + 1/2 e^(2 ξ3,3[i]) x3,3[k] η2,3[j]^2 ξ2,3[i]^2 +
    e^(-ξ1,1[i]+3 ξ3,3[i]) y1,3[k] η1,3[j] η2,3[j]^2 ξ2,3[i]^2 + e^(-ξ2,2[i]+3 ξ3,3[i]) y2,3[k] η2,3[j]^3 ξ2,3[i]^2 -
    2 e^(-ξ1,1[i]+2 ξ2,2[i]+2 ξ3,3[i]) y1,2[k] η1,2[j] η1,3[j] η2,3[j] ξ1,2[i] ξ2,3[i]^2 -
    e^(3 ξ3,3[i]) y2,3[k] η1,3[j] η2,3[j]^2 ξ1,2[i] ξ2,3[i]^2 - 1/2 e^(2 ξ2,2[i]+2 ξ3,3[i]) x1,1[k]
     η1,3[j]^2 ξ1,2[i]^2 ξ2,3[i]^2 + 1/2 e^(2 ξ2,2[i]+2 ξ3,3[i]) x2,2[k] η1,3[j]^2 ξ1,2[i]^2 ξ2,3[i]^2 +
    3 e^(-ξ1,1[i]+3 ξ2,2[i]+2 ξ3,3[i]) y1,2[k] η1,2[j] η1,3[j]^2 ξ1,2[i]^2 ξ2,3[i]^2 +
    e^(-ξ2,2[i]+2 ξ3,3[i]) x1,2[k] η2,3[j]^2 ξ1,2[j] ξ2,3[i]^2 - e^(2 ξ3,3[i]) x1,2[k] η1,3[j] η2,3[j] ξ1,2[i]
     ξ1,2[j] ξ2,3[i]^2 + 2 e^(-ξ1,1[i]+2 ξ2,2[i]+3 ξ3,3[i]) y1,2[k] η1,3[j]^3 ξ1,2[i] ξ1,3[i] ξ2,3[i]^2 +
    e^(-ξ1,1[i]+3 ξ2,2[i]+3 ξ3,3[i]) y1,2[k] η1,3[j]^3 ξ1,2[i]^2 ξ2,3[i]^3];
osol = (List @@ osol).Table[ϵ^k, {k, 0, Length[osol] - 1}]
```

Out[•]=

```
y1,2[k] η1,2[i] + e^(-ξ1,1[i]+ξ2,2[i]) y1,2[k] η1,2[j] +
 x1,1[k] ξ1,1[i] + x1,1[k] ξ1,1[j] + e^(-ξ1,1[j]) x1,2[k] ξ1,2[i] +
 ϵ^2 (-1/2 e^(2 ξ2,2[i]) x1,1[k] η1,2[j]^2 ξ1,2[i]^2 + 1/2 e^(2 ξ2,2[i]) x2,2[k] η1,2[j]^2 ξ1,2[i]^2 +
    e^(-ξ1,1[i]+3 ξ2,2[i]) y1,2[k] η1,2[j]^3 ξ1,2[i]^2) + e^(-ξ2,2[i]) x1,2[k] ξ1,2[j] +
 ϵ (e^(ξ2,2[i]) x1,1[k] η1,2[j] ξ1,2[i] - e^(ξ2,2[i]) x2,2[k] η1,2[j] ξ1,2[i] - e^(-ξ1,1[i]+2 ξ2,2[i]) y1,2[k]
    η1,2[j]^2 ξ1,2[i] + x1,2[k] η1,2[j] ξ1,2[i] ξ1,2[j]) + x2,2[k] ξ2,2[i] + x2,2[k] ξ2,2[j]
```

In[•]:=

```
CF[(Expand@sol[$k].$Basis /. {ξ1αβ__ :> ξαβ[i], η1αβ__ :> ηαβ[i],
     ξ2αβ__ :> ξαβ[j], η2αβ__ :> ηαβ[j], λ → 1}) - (osol /. ν_[k] :> ν)]
```

Out[•]=

```
0
```