

(Alt) In[]:=

```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant"];
<< SL2Invariant.m
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant\\k=2"];
HL[ε_] := Style[ε, Background → If[TrueQ@ε, Green, Red]]];
```

ParentDirectory: Argument File should be a positive machine-size integer, a nonempty string, or a File specification. 

ParentDirectory: Argument File should be a positive machine-size integer, a nonempty string, or a File specification. 

ToFileName: String or list of strings expected at position 1 in ToFileName[{File, WikiLink, mathematica}]. 

ToFileName: String or list of strings expected at position 1 in ToFileName[{File, QuantumGroups}]. 

Loading KnotTheory` version of January 20, 2015, 10:42:19.1122.

Read more at <http://katlas.org/wiki/KnotTheory>.

This is Profile.m of <http://www.drorbn.net/AcademicPensieve/Projects/Profile/>.

This version: June 2018. Original version: July 1994.

(Alt) In[]:=

```
$k = 2;
ħ = γ = 1;
$QZipFail = True;
tab310 = Table[
  {n, k} = List @@ K;
  fname = "Data/" <> ToString[n] <> "_" <> ToString[k] <> ".m";
  Echo@{K -> Timing[z = E4@Z@K]};
  Echo@HL[z == Get[fname][[2, 2]],
    {K, AllKnots[{3, 10}]}
]
```

Get: ParentDirectory[File] in \$Path is not a string. 

KnotTheory: Loading precomputed data in PD4Knots`. 

» Knot [3, 1] $\rightarrow \left\{ 21.3281, E_{\{\} \rightarrow \{\emptyset\}} \left[\frac{1 - T + T^2}{T}, \emptyset, \emptyset, \left\{ 1, \frac{-2 + 7T - 14T^2 + 18T^3 - 16T^4 + 10T^5 - 4T^6 + T^7}{T^4} + \frac{a(-2 + 6T - 10T^2 + 8T^3 - 8T^5 + 10T^6 - 6T^7 + 2T^8)}{T^4} + \frac{(-2 + 4T - 6T^2 + 2T^3 + 2T^4 - 6T^5 + 4T^6 - 2T^7)xy}{T^4}, \frac{1}{2T^8} (4 - 27T + 90T^2 - 198T^3 + 310T^4 - 357T^5 + 292T^6 - 141T^7 - 18T^8 + 115T^9 - 132T^{10} + 99T^{11} - 54T^{12} + 22T^{13} - 6T^{14} + T^{15}) + \frac{1}{T^8} a(4 - 24T + 66T^2 - 94T^3 + 330T^5 - 896T^6 + 1494T^7 - 1836T^8 + 1750T^9 - 1320T^{10} + 786T^{11} - 364T^{12} + 126T^{13} - 30T^{14} + 4T^{15}) + \frac{1}{T^8} a^2(2 - 10T + 18T^2 + 16T^3 - 182T^4 + 558T^5 - 1108T^6 + 1622T^7 - 1836T^8 + 1622T^9 - 1108T^{10} + 558T^{11} - 182T^{12} + 16T^{13} + 18T^{14} - 10T^{15} + 2T^{16}) + \frac{1}{T^8} a(4 - 12T + 116T^3 - 444T^4 + 1008T^5 - 1628T^6 + 1980T^7 - 1836T^8 + 1264T^9 - 588T^{10} + 108T^{11} + 80T^{12} - 84T^{13} + 36T^{14} - 8T^{15})xy + \frac{1}{T^8} (2 - 12T + 36T^2 - 74T^3 + 108T^4 - 120T^5 + 92T^6 - 36T^7 - 36T^8 + 92T^9 - 120T^{10} + 108T^{11} - 74T^{12} + 36T^{13} - 12T^{14} + 2T^{15})xy + \frac{1}{T^8} (3 - 9T + 12T^2 + 21T^3 - 117T^4 + 282T^5 - 441T^6 + 513T^7 - 441T^8 + 282T^9 - 117T^{10} + 21T^{11} + 12T^{12} - 9T^{13} + 3T^{14})x^2y^2 \right\} \right\}$

» True

» Knot [4, 1] $\rightarrow \left\{ 14.6563, E_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-1 + 3T - T^2}{T}, \emptyset, \emptyset, \left\{ 1, \frac{-1 + 9T - 29T^2 + 36T^3 - 36T^5 + 29T^6 - 9T^7 + T^8}{T^4} + \frac{a(-2 + 18T - 58T^2 + 72T^3 - 72T^5 + 58T^6 - 18T^7 + 2T^8)}{T^4} + \frac{(-2 + 16T - 42T^2 + 30T^3 + 30T^4 - 42T^5 + 16T^6 - 2T^7)xy}{T^4}, \frac{1}{2T^8} (1 - 15T + 83T^2 - 128T^3 - 797T^4 + 5357T^5 - 15934T^6 + 29161T^7 - 35456T^8 + 29161T^9 - 15934T^{10} + 5357T^{11} - 797T^{12} - 128T^{13} + 83T^{14} - 15T^{15} + T^{16}) + \frac{1}{T^8} a(2 - 30T + 162T^2 - 192T^3 - 2038T^4 + 12474T^5 - 36308T^6 + 65874T^7 - 79884T^8 + 65874T^9 - 36308T^{10} + 12474T^{11} - 2038T^{12} - 192T^{13} + 162T^{14} - 30T^{15} + 2T^{16}) + \frac{1}{T^8} a^2(2 - 30T + 162T^2 - 192T^3 - 2038T^4 + 12474T^5 - 36308T^6 + 65874T^7 - 79884T^8 + 65874T^9 - 36308T^{10} + 12474T^{11} - 2038T^{12} - 192T^{13} + 162T^{14} - 30T^{15} + 2T^{16}) + \frac{1}{T^8} a(4 - 52T + 192T^2 + 508T^3 - 7068T^4 + 28800T^5 - 65404T^6 + 91684T^7 - 79884T^8 + 40064T^9 - 7212T^{10} - 3852T^{11} + 2992T^{12} - 892T^{13} + 132T^{14} - 8T^{15})xy + \frac{1}{T^8} (3 - 43T + 228T^2 - 393T^3 - 1197T^4 + 7806T^5 - 18561T^6 + 24331T^7 - 18561T^8 + 7806T^9 - 1197T^{10} - 393T^{11} + 228T^{12} - 43T^{13} + 3T^{14})x^2y^2 \right\} \right\}$

» True

» Knot [5, 1] →

$$\begin{aligned}
 & \left\{ 52.8906, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{1 - T + T^2 - T^3 + T^4}{T^2}, 0, 0, \left\{ 1, \frac{1}{T^8} (-4 + 15 T - 34 T^2 + 61 T^3 - 94 T^4 + 123 T^5 - 140 T^6 + \right. \right. \right. \\
 & \quad \left. \left. \left. 142 T^7 - 128 T^8 + 102 T^9 - 72 T^{10} + 45 T^{11} - 24 T^{12} + 11 T^{13} - 4 T^{14} + T^{15} \right) + \frac{1}{T^8} \right. \right. \\
 & \quad a \left(-4 + 14 T - 30 T^2 + 50 T^3 - 70 T^4 + 78 T^5 - 68 T^6 + 40 T^7 - 40 T^9 + 68 T^{10} - 78 T^{11} + 70 T^{12} - \right. \\
 & \quad \quad \left. 50 T^{13} + 30 T^{14} - 14 T^{15} + 4 T^{16} \right) + \frac{1}{T^8} \left(-4 + 10 T - 20 T^2 + 30 T^3 - 40 T^4 + 38 T^5 - \right. \\
 & \quad \quad \left. 30 T^6 + 10 T^7 + 10 T^8 - 30 T^9 + 38 T^{10} - 40 T^{11} + 30 T^{12} - 20 T^{13} + 10 T^{14} - 4 T^{15} \right) \times y, \\
 & \quad \frac{1}{2 T^{16}} \left(16 - 119 T + 482 T^2 - 1413 T^3 + 3328 T^4 - 6638 T^5 + 11552 T^6 - 17867 T^7 + 24830 T^8 - \right. \\
 & \quad \quad 31240 T^9 + 35742 T^{10} - 37226 T^{11} + 35202 T^{12} - 30025 T^{13} + 22760 T^{14} - 14817 T^{15} + \\
 & \quad \quad 7546 T^{16} - 1897 T^{17} - 1760 T^{18} + 3575 T^{19} - 3998 T^{20} + 3574 T^{21} - 2778 T^{22} + \\
 & \quad \quad \left. 1940 T^{23} - 1230 T^{24} + 709 T^{25} - 368 T^{26} + 170 T^{27} - 68 T^{28} + 23 T^{29} - 6 T^{30} + T^{31} \right) + \\
 & \quad \frac{1}{T^{16}} a \left(16 - 114 T + 442 T^2 - 1228 T^3 + 2688 T^4 - 4816 T^5 + 7086 T^6 - 8190 T^7 + 5980 T^8 + 2110 T^9 - \right. \\
 & \quad \quad 18270 T^{10} + 43340 T^{11} - 75980 T^{12} + 112350 T^{13} - 146840 T^{14} + 173450 T^{15} - 187380 T^{16} + \\
 & \quad \quad 186370 T^{17} - 171360 T^{18} + 145950 T^{19} - 115180 T^{20} + 84140 T^{21} - 56790 T^{22} + 35290 T^{23} - \\
 & \quad \quad \left. 20080 T^{24} + 10386 T^{25} - 4834 T^{26} + 1992 T^{27} - 708 T^{28} + 208 T^{29} - 46 T^{30} + 6 T^{31} \right) + \\
 & \quad \frac{1}{T^{16}} a^2 \left(8 - 54 T + 198 T^2 - 510 T^3 + 990 T^4 - 1412 T^5 + 1126 T^6 + 1098 T^7 - 7050 T^8 + 18700 T^9 - \right. \\
 & \quad \quad 37530 T^{10} + 63740 T^{11} - 95580 T^{12} + 129150 T^{13} - 159100 T^{14} + 179910 T^{15} - 187380 T^{16} + \\
 & \quad \quad 179910 T^{17} - 159100 T^{18} + 129150 T^{19} - 95580 T^{20} + 63740 T^{21} - 37530 T^{22} + 18700 T^{23} - \\
 & \quad \quad \left. 7050 T^{24} + 1098 T^{25} + 1126 T^{26} - 1412 T^{27} + 990 T^{28} - 510 T^{29} + 198 T^{30} - 54 T^{31} + 8 T^{32} \right) + \\
 & \quad \frac{1}{T^{16}} a \left(16 - 84 T + 260 T^2 - 560 T^3 + 840 T^4 - 584 T^5 - 1244 T^6 + 6300 T^7 - 16600 T^8 + 33900 T^9 - \right. \\
 & \quad \quad 58860 T^{10} + 90340 T^{11} - 124900 T^{12} + 157200 T^{13} - 181300 T^{14} + 192220 T^{15} - 187380 T^{16} + \\
 & \quad \quad 167600 T^{17} - 136900 T^{18} + 101100 T^{19} - 66260 T^{20} + 37140 T^{21} - 16200 T^{22} + 3500 T^{23} + \\
 & \quad \quad \left. 2500 T^{24} - 4104 T^{25} + 3496 T^{26} - 2240 T^{27} + 1140 T^{28} - 460 T^{29} + 136 T^{30} - 24 T^{31} \right) \times y + \\
 & \quad \frac{1}{T^{16}} \left(8 - 52 T + 192 T^2 - 526 T^3 + 1172 T^4 - 2232 T^5 + 3728 T^6 - 5560 T^7 + 7470 T^8 - 9120 T^9 + \right. \\
 & \quad \quad 10140 T^{10} - 10260 T^{11} + 9340 T^{12} - 7460 T^{13} + 4800 T^{14} - 1660 T^{15} - 1660 T^{16} + \\
 & \quad \quad 4800 T^{17} - 7460 T^{18} + 9340 T^{19} - 10260 T^{20} + 10140 T^{21} - 9120 T^{22} + 7470 T^{23} - \\
 & \quad \quad \left. 5560 T^{24} + 3728 T^{25} - 2232 T^{26} + 1172 T^{27} - 526 T^{28} + 192 T^{29} - 52 T^{30} + 8 T^{31} \right) \times y + \\
 & \quad \frac{1}{T^{16}} \left(10 - 45 T + 135 T^2 - 290 T^3 + 480 T^4 - 540 T^5 + 175 T^6 + 1125 T^7 - 3900 T^8 + 8625 T^9 - \right. \\
 & \quad \quad 15375 T^{10} + 23775 T^{11} - 32725 T^{12} + 40800 T^{13} - 46425 T^{14} + 48475 T^{15} - \\
 & \quad \quad 46425 T^{16} + 40800 T^{17} - 32725 T^{18} + 23775 T^{19} - 15375 T^{20} + 8625 T^{21} - 3900 T^{22} + \\
 & \quad \quad \left. 1125 T^{23} + 175 T^{24} - 540 T^{25} + 480 T^{26} - 290 T^{27} + 135 T^{28} - 45 T^{29} + 10 T^{30} \right) \times x^2 y^2 \left. \right\} \left. \right\}
 \end{aligned}$$

» True

» Knot [5, 2] → {299.328,

$$\mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{2 - 3T + 2T^2}{T}, 0, 0, \left\{ 1, \frac{-36 + 188T - 465T^2 + 696T^3 - 682T^4 + 444T^5 - 185T^6 + 44T^7 - 4T^8}{T^4} + \right. \right. \\ \left. \left. \frac{a(-32 + 144T - 280T^2 + 252T^3 - 252T^5 + 280T^6 - 144T^7 + 32T^8)}{T^4} + \right. \right. \\ \left. \left. \frac{(-32 + 112T - 168T^2 + 84T^3 + 84T^4 - 168T^5 + 112T^6 - 32T^7)xy}{T^4}, \right. \right. \\ \left. \left. \frac{1}{T^8} a(1152 - 10304T + 41472T^2 - 92896T^3 + 99784T^4 + 68076T^5 - 492612T^6 + 1058612T^7 - 1472976T^8 + \right. \right. \\ \left. \left. 1496644T^9 - 1151884T^{10} + 675828T^{11} - 298248T^{12} + 95584T^{13} - 20736T^{14} + 2624T^{15} - 128T^{16}) + \right. \right. \\ \left. \left. \frac{1}{2T^8} (1312 - 13184T + 63584T^2 - 195152T^3 + 425690T^4 - 698228T^5 + 888803T^6 - 893522T^7 + \right. \right. \\ \left. \left. 714994T^8 - 455490T^9 + 229531T^{10} - 90476T^{11} + 27658T^{12} - 6672T^{13} + 1376T^{14} - 256T^{15} + 32T^{16}) + \frac{1}{T^8} \right. \right. \\ \left. \left. a^2(512 - 3840T + 10368T^2 + 1344T^3 - 99232T^4 + 371952T^5 - 822248T^6 + 1277628T^7 - 1472976T^8 + \right. \right. \\ \left. \left. 1277628T^9 - 822248T^{10} + 371952T^{11} - 99232T^{12} + 1344T^{13} + 10368T^{14} - 3840T^{15} + 512T^{16}) + \right. \right. \\ \left. \left. \frac{1}{T^8} a(1024 - 5632T + 5376T^2 + 52864T^3 - 275520T^4 + 727776T^5 - 1280272T^6 + 1612216T^7 - \right. \right. \\ \left. \left. 1472976T^8 + 943040T^9 - 364224T^{10} + 16128T^{11} + 77056T^{12} - 50176T^{13} + 15360T^{14} - 2048T^{15})xy + \right. \right. \\ \left. \left. \frac{1}{T^8} (640 - 5824T + 25280T^2 - 68960T^3 + 130056T^4 - 173820T^5 + 155816T^6 - 63200T^7 - \right. \right. \\ \left. \left. 63200T^8 + 155816T^9 - 173820T^{10} + 130056T^{11} - 68960T^{12} + 25280T^{13} - 5824T^{14} + 640T^{15})xy + \right. \right. \\ \left. \left. \frac{1}{T^8} (768 - 4480T + 9408T^2 + 3360T^3 - 69552T^4 + 203448T^5 - 352380T^6 + 418918T^7 - \right. \right. \\ \left. \left. 352380T^8 + 203448T^9 - 69552T^{10} + 3360T^{11} + 9408T^{12} - 4480T^{13} + 768T^{14})x^2y^2 \right\} \right\}$$

» True

» Knot [6, 1] → {379.953,

$$\begin{aligned} & \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-2 + 5T - 2T^2}{T}, 0, 0, \left\{ 1, \frac{-20 + 164T - 525T^2 + 812T^3 - 578T^4 + 72T^5 + 139T^6 - 76T^7 + 12T^8}{T^4} + \right. \right. \\ & \quad \left. \left. \frac{a(-32 + 240T - 664T^2 + 740T^3 - 740T^5 + 664T^6 - 240T^7 + 32T^8)}{T^4} + \right. \right. \\ & \quad \left. \left. \frac{(-32 + 208T - 456T^2 + 284T^3 + 284T^4 - 456T^5 + 208T^6 - 32T^7)xy}{T^4}, \right. \right. \\ & \quad \left. \left. \frac{1}{2T^8} (416 - 6400T + 42752T^2 - 159344T^3 + 343986T^4 - 342868T^5 - 275359T^6 + 1548850T^7 - 2720706T^8 + \right. \right. \\ & \quad \left. \left. 2895410T^9 - 2055463T^{10} + 979460T^{11} - 296414T^{12} + 46416T^{13} + 512T^{14} - 1408T^{15} + 160T^{16}) + \frac{1}{T^8} \right. \right. \\ & \quad \left. \left. a(640 - 8896T + 49920T^2 - 126240T^3 - 1240T^4 + 1041636T^5 - 3671716T^6 + 7219620T^7 - 9424080T^8 + \right. \right. \\ & \quad \left. \left. 8566180T^9 - 5451820T^{10} + 2363964T^{11} - 641640T^{12} + 79520T^{13} + 7680T^{14} - 3904T^{15} + 384T^{16}) + \right. \right. \\ & \quad \left. \left. \frac{1}{T^8} a^2(512 - 6400T + 28800T^2 - 23360T^3 - 321440T^4 + 1702800T^5 - 4561768T^6 + \right. \right. \\ & \quad \left. \left. 7892900T^7 - 9424080T^8 + 7892900T^9 - 4561768T^{10} + 1702800T^{11} - \right. \right. \\ & \quad \left. \left. 321440T^{12} - 23360T^{13} + 28800T^{14} - 6400T^{15} + 512T^{16}) + \right. \right. \\ & \quad \left. \left. \frac{1}{T^8} a(1024 - 10752T + 29952T^2 + 106880T^3 - 1061952T^4 + 3769632T^5 - 7869200T^6 + \right. \right. \\ & \quad \left. \left. 10637640T^7 - 9424080T^8 + 5148160T^9 - 1254336T^{10} - 364032T^{11} + \right. \right. \\ & \quad \left. \left. 419072T^{12} - 153600T^{13} + 27648T^{14} - 2048T^{15})xy + \frac{1}{T^8} \right. \right. \\ & \quad \left. \left. (128 - 2368T + 18752T^2 - 84128T^3 + 236072T^4 - 425092T^5 + 464960T^6 - 208320T^7 - 208320T^8 + \right. \right. \\ & \quad \left. \left. 464960T^9 - 425092T^{10} + 236072T^{11} - 84128T^{12} + 18752T^{13} - 2368T^{14} + 128T^{15})xy + \frac{1}{T^8} \right. \right. \\ & \quad \left. \left. (768 - 8832T + 37056T^2 - 40992T^3 - 215472T^4 + 1040520T^5 - 2213820T^6 + 2801610T^7 - \right. \right. \\ & \quad \left. \left. 2213820T^8 + 1040520T^9 - 215472T^{10} - 40992T^{11} + 37056T^{12} - 8832T^{13} + 768T^{14})x^2y^2 \right\} \right\} \end{aligned}$$

» True

» Knot [6, 2] →

$$\begin{aligned}
& \left\{ 268.797, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-1 + 3T - 3T^2 + 3T^3 - T^4}{T^2}, 0, 0, \left\{ 1, \frac{1}{T^8} (-3 + 33T - 163T^2 + 493T^3 - 1051T^4 + 1699T^5 - \right. \right. \right. \\
& \quad \left. \left. \left. 2151T^6 + 2156T^7 - 1696T^8 + 1004T^9 - 387T^{10} + 25T^{11} + 91T^{12} - 77T^{13} + 35T^{14} - 9T^{15} + T^{16}) + \right. \right. \\
& \quad \left. \frac{1}{T^8} a (-4 + 42T - 198T^2 + 570T^3 - 1142T^4 + 1674T^5 - 1764T^6 + 1152T^7 - 1152T^9 + 1764T^{10} - \right. \\
& \quad \left. 1674T^{11} + 1142T^{12} - 570T^{13} + 198T^{14} - 42T^{15} + 4T^{16}) + \frac{1}{T^8} (-4 + 38T - 160T^2 + 410T^3 - 732T^4 + \right. \\
& \quad \left. 942T^5 - 822T^6 + 330T^7 + 330T^8 - 822T^9 + 942T^{10} - 732T^{11} + 410T^{12} - 160T^{13} + 38T^{14} - 4T^{15}) \right] \times y, \\
& \quad \frac{1}{2T^{16}} (9 - 195T + 1993T^2 - 12829T^3 + 58570T^4 - 202260T^5 + 548948T^6 - 1196137T^7 + \\
& \quad 2103400T^8 - 2928620T^9 + 2972959T^{10} - 1385846T^{11} - 2371875T^{12} + 8047955T^{13} - \\
& \quad 14457356T^{14} + 19870479T^{15} - 22762198T^{16} + 22483231T^{17} - 19465060T^{18} + \\
& \quad 14891411T^{19} - 10098259T^{20} + 6064774T^{21} - 3210293T^{22} + 1483336T^{23} - 588444T^{24} + \\
& \quad 194867T^{25} - 51132T^{26} + 9400T^{27} - 674T^{28} - 233T^{29} + 93T^{30} - 15T^{31} + T^{32}) + \\
& \quad \frac{1}{T^{16}} a (12 - 252T + 2492T^2 - 15472T^3 + 67692T^4 - 221042T^5 + 551710T^6 - 1038996T^7 + \\
& \quad 1331344T^8 - 484062T^9 - 3071664T^{10} + 11043330T^{11} - 24265380T^{12} + 41636790T^{13} - \\
& \quad 59791136T^{14} + 74022790T^{15} - 80200116T^{16} + 76635542T^{17} - 64798840T^{18} + \\
& \quad 48480246T^{19} - 31991764T^{20} + 18493950T^{21} - 9254916T^{22} + 3927894T^{23} - 1360500T^{24} + \\
& \quad 352008T^{25} - 48370T^{26} - 9382T^{27} + 8448T^{28} - 2876T^{29} + 592T^{30} - 72T^{31} + 4T^{32}) + \\
& \quad \frac{1}{T^{16}} a^2 (8 - 162T + 1542T^2 - 9174T^3 + 38070T^4 - 115212T^5 + 251670T^6 - 343494T^7 - \\
& \quad 14578T^8 + 1721916T^9 - 6163290T^{10} + 14768640T^{11} - 28128572T^{12} + 45058518T^{13} - \\
& \quad 62294988T^{14} + 75329166T^{15} - 80200116T^{16} + 75329166T^{17} - 62294988T^{18} + \\
& \quad 45058518T^{19} - 28128572T^{20} + 14768640T^{21} - 6163290T^{22} + 1721916T^{23} - 14578T^{24} - \\
& \quad 343494T^{25} + 251670T^{26} - 115212T^{27} + 38070T^{28} - 9174T^{29} + 1542T^{30} - 162T^{31} + 8T^{32}) + \\
& \quad \frac{1}{T^{16}} a (16 - 300T + 2612T^2 - 13976T^3 + 50664T^4 - 125440T^5 + 179044T^6 + 81540T^7 - \\
& \quad 1403976T^8 + 5095956T^9 - 12742524T^{10} + 25387764T^{11} - 42438532T^{12} + 60989424T^{13} - \\
& \quad 76304852T^{14} + 83584460T^{15} - 80200116T^{16} + 67073872T^{17} - 48285124T^{18} + \\
& \quad 29127612T^{19} - 13818612T^{20} + 4149516T^{21} + 415944T^{22} - 1652124T^{23} + 1374820T^{24} - \\
& \quad 768528T^{25} + 324296T^{26} - 104984T^{27} + 25476T^{28} - 4372T^{29} + 472T^{30} - 24T^{31}) \times y + \\
& \quad \frac{1}{T^{16}} (4 - 86T + 864T^2 - 5434T^3 + 24188T^4 - 81642T^5 + 218398T^6 - 477104T^7 + 868818T^8 - \\
& \quad 1337160T^9 + 1754466T^{10} - 1970844T^{11} + 1892348T^{12} - 1529380T^{13} + 974472T^{14} - 331904T^{15} - \\
& \quad 331904T^{16} + 974472T^{17} - 1529380T^{18} + 1892348T^{19} - 1970844T^{20} + 1754466T^{21} - 1337160T^{22} + \\
& \quad 868818T^{23} - 477104T^{24} + 218398T^{25} - 81642T^{26} + 24188T^{27} - 5434T^{28} + 864T^{29} - 86T^{30} + 4T^{31}) \times y + \\
& \quad \left. \frac{1}{T^{16}} (10 - 183T + 1563T^2 - 8300T^3 + 30612T^4 - 81822T^5 + 155071T^6 - 168249T^7 - \right. \\
& \quad \left. 106212T^8 + 1063791T^9 - 3159219T^{10} + 6642375T^{11} - 11249161T^{12} + \right. \\
& \quad \left. 16069476T^{13} - 19775205T^{14} + 21170939T^{15} - 19775205T^{16} + 16069476T^{17} - \right. \\
& \quad \left. 11249161T^{18} + 6642375T^{19} - 3159219T^{20} + 1063791T^{21} - 106212T^{22} - 168249T^{23} + \right. \\
& \quad \left. 155071T^{24} - 81822T^{25} + 30612T^{26} - 8300T^{27} + 1563T^{28} - 183T^{29} + 10T^{30}) \times x^2 y^2 \right\}
\end{aligned}$$

» True

$$\begin{aligned}
 & (-6 + 16 T - 34 T^2 + 56 T^3 - 84 T^4 + 112 T^5 - 140 T^6 + 150 T^7 - 148 T^8 + 122 T^9 - 84 T^{10} + 28 T^{11} + 28 T^{12} - \\
 & 84 T^{13} + 122 T^{14} - 148 T^{15} + 150 T^{16} - 140 T^{17} + 112 T^{18} - 84 T^{19} + 56 T^{20} - 34 T^{21} + 16 T^{22} - 6 T^{23}) \times y, \\
 & \frac{1}{2 T^{24}} (36 - 275 T + 1162 T^2 - 3601 T^3 + 9120 T^4 - 19961 T^5 + 39002 T^6 - 69448 T^7 + 114270 T^8 - \\
 & 175462 T^9 + 253214 T^{10} - 345204 T^{11} + 446226 T^{12} - 548490 T^{13} + 642498 T^{14} - 718337 T^{15} + \\
 & 767188 T^{16} - 782829 T^{17} + 762826 T^{18} - 709127 T^{19} + 627648 T^{20} - 527142 T^{21} + 417740 T^{22} - \\
 & 309406 T^{23} + 210576 T^{24} - 127174 T^{25} + 62156 T^{26} - 15726 T^{27} - 13980 T^{28} + 30093 T^{29} - \\
 & 36206 T^{30} + 35755 T^{31} - 31608 T^{32} + 25891 T^{33} - 19982 T^{34} + 14658 T^{35} - 10254 T^{36} + 6840 T^{37} - \\
 & 4338 T^{38} + 2606 T^{39} - 1474 T^{40} + 780 T^{41} - 382 T^{42} + 171 T^{43} - 68 T^{44} + 23 T^{45} - 6 T^{46} + T^{47}) + \\
 & \frac{1}{T^{24}} a (36 - 268 T + 1106 T^2 - 3342 T^3 + 8224 T^4 - 17392 T^5 + 32562 T^6 - 54886 T^7 + 84000 T^8 - 116898 T^9 + \\
 & 146840 T^{10} - 162642 T^{11} + 148752 T^{12} - 86670 T^{13} - 42486 T^{14} + 254592 T^{15} - 558800 T^{16} + 954066 T^{17} - \\
 & 1426710 T^{18} + 1949836 T^{19} - 2485692 T^{20} + 2990160 T^{21} - 3418496 T^{22} + 3731440 T^{23} - 3900816 T^{24} + \\
 & 3913672 T^{25} - 3774080 T^{26} + 3501576 T^{27} - 3127320 T^{28} + 2689056 T^{29} - 2225742 T^{30} + 1772650 T^{31} - \\
 & 1357596 T^{32} + 998820 T^{33} - 704966 T^{34} + 476478 T^{35} - 307728 T^{36} + 189402 T^{37} - 110712 T^{38} + \\
 & 61170 T^{39} - 31744 T^{40} + 15342 T^{41} - 6822 T^{42} + 2740 T^{43} - 964 T^{44} + 282 T^{45} - 62 T^{46} + 8 T^{47}) + \\
 & \frac{1}{T^{24}} a^2 (18 - 130 T + 522 T^2 - 1530 T^3 + 3630 T^4 - 7326 T^5 + 12870 T^6 - 19772 T^7 + 26128 T^8 - 27864 T^9 + \\
 & 18064 T^{10} + 13380 T^{11} - 79488 T^{12} + 194904 T^{13} - 373726 T^{14} + 626706 T^{15} - 958198 T^{16} + 1363358 T^{17} - \\
 & 1826226 T^{18} + 2319446 T^{19} - 2806506 T^{20} + 3245868 T^{21} - 3596288 T^{22} + 3822556 T^{23} - 3900816 T^{24} + \\
 & 3822556 T^{25} - 3596288 T^{26} + 3245868 T^{27} - 2806506 T^{28} + 2319446 T^{29} - 1826226 T^{30} + 1363358 T^{31} - \\
 & 958198 T^{32} + 626706 T^{33} - 373726 T^{34} + 194904 T^{35} - 79488 T^{36} + 13380 T^{37} + 18064 T^{38} - 27864 T^{39} + \\
 & 26128 T^{40} - 19772 T^{41} + 12870 T^{42} - 7326 T^{43} + 3630 T^{44} - 1530 T^{45} + 522 T^{46} - 130 T^{47} + 18 T^{48}) + \\
 & \frac{1}{T^{24}} a (36 - 212 T + 752 T^2 - 1992 T^3 + 4324 T^4 - 7972 T^5 + 12600 T^6 - 16668 T^7 + 16760 T^8 - \\
 & 6828 T^9 - 22200 T^{10} + 82476 T^{11} - 188280 T^{12} + 354060 T^{13} - 591716 T^{14} + 907632 T^{15} - 1299624 T^{16} + \\
 & 1754812 T^{17} - 2248500 T^{18} + 2745576 T^{19} - 3204432 T^{20} + 3582144 T^{21} - 3840352 T^{22} + 3951000 T^{23} - \\
 & 3900816 T^{24} + 3694112 T^{25} - 3352224 T^{26} + 2909592 T^{27} - 2408580 T^{28} + 1893316 T^{29} - 1403952 T^{30} + \\
 & 971904 T^{31} - 616772 T^{32} + 345780 T^{33} - 155736 T^{34} + 35748 T^{35} + 29304 T^{36} - 55716 T^{37} + 58328 T^{38} - \\
 & 48900 T^{39} + 35496 T^{40} - 22876 T^{41} + 13140 T^{42} - 6680 T^{43} + 2936 T^{44} - 1068 T^{45} + 292 T^{46} - 48 T^{47}) \times y + \\
 & \frac{1}{T^{24}} (18 - 120 T + 464 T^2 - 1348 T^3 + 3246 T^4 - 6820 T^5 + 12872 T^6 - 22242 T^7 + 35630 T^8 - 53404 T^9 + \\
 & 75372 T^{10} - 100650 T^{11} + 127590 T^{12} - 153984 T^{13} + 177256 T^{14} - 194858 T^{15} + 204540 T^{16} - \\
 & 204752 T^{17} + 194764 T^{18} - 174846 T^{19} + 145968 T^{20} - 109740 T^{21} + 68052 T^{22} - 23064 T^{23} - 23064 T^{24} + \\
 & 68052 T^{25} - 109740 T^{26} + 145968 T^{27} - 174846 T^{28} + 194764 T^{29} - 204752 T^{30} + 204540 T^{31} - \\
 & 194858 T^{32} + 177256 T^{33} - 153984 T^{34} + 127590 T^{35} - 100650 T^{36} + 75372 T^{37} - 53404 T^{38} + \\
 & 35630 T^{39} - 22242 T^{40} + 12872 T^{41} - 6820 T^{42} + 3246 T^{43} - 1348 T^{44} + 464 T^{45} - 120 T^{46} + 18 T^{47}) \times y + \\
 & \frac{1}{T^{24}} (21 - 105 T + 350 T^2 - 882 T^3 + 1869 T^4 - 3409 T^5 + 5460 T^6 - 7581 T^7 + 8834 T^8 - 7455 T^9 + \\
 & 924 T^{10} + 14217 T^{11} - 41790 T^{12} + 85659 T^{13} - 148715 T^{14} + 232386 T^{15} - 335496 T^{16} + \\
 & 454195 T^{17} - 581259 T^{18} + 707280 T^{19} - 821226 T^{20} + 912366 T^{21} - 971250 T^{22} + 991704 T^{23} - \\
 & 971250 T^{24} + 912366 T^{25} - 821226 T^{26} + 707280 T^{27} - 581259 T^{28} + 454195 T^{29} - 335496 T^{30} + \\
 & 232386 T^{31} - 148715 T^{32} + 85659 T^{33} - 41790 T^{34} + 14217 T^{35} + 924 T^{36} - 7455 T^{37} + 8834 T^{38} - \\
 & 7581 T^{39} + 5460 T^{40} - 3409 T^{41} + 1869 T^{42} - 882 T^{43} + 350 T^{44} - 105 T^{45} + 21 T^{46}) \times^2 y^2 \} \} \}
 \end{aligned}$$

» True

$$\begin{aligned}
 & \gg \text{Knot}[7, 2] \rightarrow \left\{ 625.391, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{3 - 5T + 3T^2}{T}, \emptyset, \emptyset, \right. \right. \\
 & \left. \left. \left\{ 1, \frac{-207 + 1221T - 3299T^2 + 5288T^3 - 5472T^4 + 3728T^5 - 1625T^6 + 411T^7 - 45T^8}{T^4} + \right. \right. \right. \\
 & \left. \left. \frac{a(-162 + 810T - 1674T^2 + 1560T^3 - 1560T^5 + 1674T^6 - 810T^7 + 162T^8)}{T^4} + \right. \right. \\
 & \left. \left. \frac{(-162 + 648T - 1026T^2 + 534T^3 + 534T^4 - 1026T^5 + 648T^6 - 162T^7)xy}{T^4}, \right. \right. \\
 & \left. \frac{1}{T^8} a(33534 - 339714T + 1552770T^2 - 4065660T^3 + 6015870T^4 - 2201526T^5 - \right. \\
 & \left. 12158300T^6 + 34434730T^7 - 53263980T^8 + 57400970T^9 - 45834316T^{10} + \right. \\
 & \left. 27546426T^{11} - 12364650T^{12} + 4026780T^{13} - 896670T^{14} + 121014T^{15} - 7290T^{16}) + \right. \\
 & \left. \frac{1}{2T^8} (43983 - 504711T + 2762397T^2 - 9573084T^3 + 23511681T^4 - 43402423T^5 + \right. \\
 & \left. 62319510T^6 - 71046195T^7 + 65057124T^8 - 48079955T^9 + 28643494T^{10} - \right. \\
 & \left. 13654471T^{11} + 5131161T^{12} - 1480644T^{13} + 312957T^{14} - 43983T^{15} + 3159T^{16}) + \right. \\
 & \left. \frac{1}{T^8} a^2(13122 - 109350T + 328050T^2 - 19440T^3 - 3174390T^4 + 12672450T^5 - 28996308T^6 + \right. \\
 & \left. 45917850T^7 - 53263980T^8 + 45917850T^9 - 28996308T^{10} + 12672450T^{11} - \right. \\
 & \left. 3174390T^{12} - 19440T^{13} + 328050T^{14} - 109350T^{15} + 13122T^{16}) + \right. \\
 & \left. \frac{1}{T^8} a(26244 - 166212T + 209952T^2 + 1579500T^3 - 9144252T^4 + 25404192T^5 - \right. \\
 & \left. 45985500T^6 + 58587540T^7 - 53263980T^8 + 33248160T^9 - 12007116T^{10} - \right. \\
 & \left. 59292T^{11} + 2795472T^{12} - 1618380T^{13} + 446148T^{14} - 52488T^{15})xy + \right. \\
 & \left. \frac{1}{T^8} (20412 - 209952T + 1014768T^2 - 3031452T^3 + 6158808T^4 - 8715168T^5 + 8122840T^6 - \right. \\
 & \left. 3360280T^7 - 3360280T^8 + 8122840T^9 - 8715168T^{10} + 6158808T^{11} - \right. \\
 & \left. 3031452T^{12} + 1014768T^{13} - 209952T^{14} + 20412T^{15})xy + \frac{1}{T^8} \right. \\
 & \left. (19683 - 133407T + 323676T^2 + 19683T^3 - 2251557T^4 + 7101270T^5 - 12707145T^6 + 15255735T^7 - \right. \\
 & \left. 12707145T^8 + 7101270T^9 - 2251557T^{10} + 19683T^{11} + 323676T^{12} - 133407T^{13} + 19683T^{14})x^2y^2 \right\} \}
 \end{aligned}$$

» True

» Knot [7, 3] → {526.469,

$$\begin{aligned} & \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{2 - 3T + 3T^2 - 3T^3 + 2T^4}{T^2}, 0, 0, \left\{ 1, \frac{1}{T^8} a \left(-64 + 336T - 936T^2 + 1860T^3 - 2882T^4 + 3510T^5 - 3258T^6 - \right. \right. \right. \\ & \quad \left. \left. \left. 1980T^7 - 1980T^9 + 3258T^{10} - 3510T^{11} + 2882T^{12} - 1860T^{13} + 936T^{14} - 336T^{15} + 64T^{16} \right) + \right. \\ & \quad \left. \frac{1}{T^8} \left(4 - 44T + 197T^2 - 586T^3 + 1363T^4 - 2627T^5 + 4299T^6 - 6082T^7 + 7498T^8 - 8062T^9 + \right. \right. \\ & \quad \left. \left. 7557T^{10} - 6137T^{11} + 4245T^{12} - 2446T^{13} + 1133T^{14} - 380T^{15} + 68T^{16} \right) + \right. \\ & \quad \left. \frac{1}{T^8} \left(-64 + 272T - 664T^2 + 1196T^3 - 1686T^4 + 1824T^5 - 1434T^6 + 546T^7 + 546T^8 - \right. \right. \\ & \quad \left. \left. 1434T^9 + 1824T^{10} - 1686T^{11} + 1196T^{12} - 664T^{13} + 272T^{14} - 64T^{15} \right) \right] x y, \\ & \frac{1}{T^{16}} a^2 \left(2048 - 20736T + 106368T^2 - 364992T^3 + 920160T^4 - 1727376T^5 + 2180616T^6 - 583956T^7 - \right. \\ & \quad \left. 6224662T^8 + 22643478T^9 - 53111214T^{10} + 100034712T^{11} - 161552894T^{12} + 230309082T^{13} - \right. \\ & \quad \left. 294292572T^{14} + 339943470T^{15} - 356523084T^{16} + 339943470T^{17} - 294292572T^{18} + 230309082T^{19} - \right. \\ & \quad \left. 161552894T^{20} + 100034712T^{21} - 53111214T^{22} + 22643478T^{23} - 6224662T^{24} - 583956T^{25} + \right. \\ & \quad \left. 2180616T^{26} - 1727376T^{27} + 920160T^{28} - 364992T^{29} + 106368T^{30} - 20736T^{31} + 2048T^{32} \right) + \\ & \frac{1}{T^{16}} a \left(-256 + 4800T - 38752T^2 + 201088T^3 - 784320T^4 + 2485772T^5 - 6687158T^6 + 15684642T^7 - \right. \\ & \quad \left. 32640712T^8 + 60983298T^9 - 103119678T^{10} + 158694480T^{11} - 223062272T^{12} + 286919652T^{13} - \right. \\ & \quad \left. 337838282T^{14} + 363638294T^{15} - 356523084T^{16} + 316248646T^{17} - 250746862T^{18} + 173698512T^{19} - \right. \\ & \quad \left. 100043516T^{20} + 41374944T^{21} - 3102750T^{22} - 15696342T^{23} + 20191388T^{24} - 16852554T^{25} + \right. \\ & \quad \left. 11048390T^{26} - 5940524T^{27} + 2624640T^{28} - 931072T^{29} + 251488T^{30} - 46272T^{31} + 4352T^{32} \right) + \\ & \frac{1}{2T^{16}} \left(32 - 256T + 1504T^2 - 7888T^3 + 35194T^4 - 131348T^5 + 416299T^6 - 1142652T^7 + \right. \\ & \quad \left. 2763545T^8 - 5976457T^9 + 11701346T^{10} - 20957596T^{11} + 34626037T^{12} - 53112481T^{13} + \right. \\ & \quad \left. 75972609T^{14} - 101610889T^{15} + 127204130T^{16} - 149000537T^{17} + 163064029T^{18} - 166333621T^{19} + \right. \\ & \quad \left. 157644793T^{20} - 138277132T^{21} + 111718274T^{22} - 82656097T^{23} + 55595645T^{24} - 33679848T^{25} + \right. \\ & \quad \left. 18151847T^{26} - 8557644T^{27} + 3444154T^{28} - 1140048T^{29} + 291744T^{30} - 51328T^{31} + 4640T^{32} \right) + \\ & \frac{1}{T^{16}} a \left(4096 - 35328T + 156416T^2 - 460160T^3 + 949440T^4 - 1218208T^5 - 56816T^6 + 5606712T^7 - \right. \\ & \quad \left. 19615980T^8 + 46845516T^9 - 90706320T^{10} + 150813276T^{11} - 221145820T^{12} + 290119920T^{13} - \right. \\ & \quad \left. 343228124T^{14} + 367576940T^{15} - 356523084T^{16} + 312310000T^{17} - 245357020T^{18} + \right. \\ & \quad \left. 170498244T^{19} - 101959968T^{20} + 49256148T^{21} - 15516108T^{22} - 1558560T^{23} + 7166656T^{24} - \right. \\ & \quad \left. 6774624T^{25} + 4418048T^{26} - 2236544T^{27} + 890880T^{28} - 269824T^{29} + 56320T^{30} - 6144T^{31} \right) x y + \\ & \frac{1}{T^{16}} \left(-2304 + 23232T - 121888T^2 + 444192T^3 - 1260288T^4 + 2952860T^5 - 5914914T^6 + \right. \\ & \quad \left. 10353684T^7 - 16062366T^8 + 22277454T^9 - 27731010T^{10} + 30928758T^{11} - 30580620T^{12} + \right. \\ & \quad \left. 26029950T^{13} - 17515760T^{14} + 6179064T^{15} + 6179064T^{16} - 17515760T^{17} + 26029950T^{18} - \right. \\ & \quad \left. 30580620T^{19} + 30928758T^{20} - 27731010T^{21} + 22277454T^{22} - 16062366T^{23} + 10353684T^{24} - \right. \\ & \quad \left. 5914914T^{25} + 2952860T^{26} - 1260288T^{27} + 444192T^{28} - 121888T^{29} + 23232T^{30} - 2304T^{31} \right) x y + \\ & \frac{1}{T^{16}} \left(2560 - 20352T + 86208T^2 - 251552T^3 + 544944T^4 - 864120T^5 + 815332T^6 + 425346T^7 - \right. \\ & \quad \left. 4089009T^8 + 11501397T^9 - 23489220T^{10} + 39704091T^{11} - 58206925T^{12} + 75662310T^{13} - \right. \\ & \quad \left. 88222221T^{14} + 92802785T^{15} - 88222221T^{16} + 75662310T^{17} - 58206925T^{18} + \right. \\ & \quad \left. 39704091T^{19} - 23489220T^{20} + 11501397T^{21} - 4089009T^{22} + 425346T^{23} + 815332T^{24} - \right. \\ & \quad \left. 864120T^{25} + 544944T^{26} - 251552T^{27} + 86208T^{28} - 20352T^{29} + 2560T^{30} \right) x^2 y^2 \} \} \end{aligned}$$

» True

» Knot [7, 4] → {204.547,

$$\begin{aligned}
 & \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{4 - 7T + 4T^2}{T}, 0, 0, \left\{ 1, \frac{a \left(-512 + 2688T - 5728T^2 + 5432T^3 - 5432T^5 + 5728T^6 - 2688T^7 + 512T^8 \right)}{T^4} \right. \right. \\
 & \quad \left. \left. \frac{128 - 1280T + 5352T^2 - 12660T^3 + 18800T^4 - 18092T^5 + 11080T^6 - 3968T^7 + 640T^8}{T^4} + \right. \right. \\
 & \quad \left. \left. \frac{\left(-512 + 2176T - 3552T^2 + 1880T^3 + 1880T^4 - 3552T^5 + 2176T^6 - 512T^7 \right) \times y}{T^4}, \right. \right. \\
 & \quad \frac{1}{T^8} a^2 \left(131072 - 1146880T + 3612672T^2 - 530432T^3 - 35260928T^4 + 145160064T^5 - \right. \\
 & \quad \quad \left. 337801888T^6 + 539954744T^7 - 628236864T^8 + 539954744T^9 - 337801888T^{10} + \right. \\
 & \quad \quad \left. 145160064T^{11} - 35260928T^{12} - 530432T^{13} + 3612672T^{14} - 1146880T^{15} + 131072T^{16} \right) + \\
 & \quad \frac{1}{T^8} \left(12288 - 180224T + 1357568T^2 - 6822912T^3 + 25080080T^4 - 70361440T^5 + 154187573T^6 - \right. \\
 & \quad \quad \left. 267469914T^7 + 369815466T^8 - 408091770T^9 + 357874261T^{10} - 246694432T^{11} + \right. \\
 & \quad \quad \left. 131044368T^{12} - 51868672T^{13} + 14432000T^{14} - 2523136T^{15} + 208896T^{16} \right) + \\
 & \quad \frac{1}{T^8} a \left(-65536 + 1196032T - 9461760T^2 + 44515328T^3 - 141225216T^4 + 321493056T^5 - \right. \\
 & \quad \quad \left. 541488576T^6 + 680576600T^7 - 628236864T^8 + 399332888T^9 - 134115200T^{10} - \right. \\
 & \quad \quad \left. 31172928T^{11} + 70703360T^{12} - 45576192T^{13} + 16687104T^{14} - 3489792T^{15} + 327680T^{16} \right) + \\
 & \quad \frac{1}{T^8} a \left(262144 - 1769472T + 2506752T^2 + 16928768T^3 - 103339008T^4 + 294393600T^5 - \right. \\
 & \quad \quad \left. 540570944T^6 + 692753904T^7 - 628236864T^8 + 387155584T^9 - 135032832T^{10} - \right. \\
 & \quad \quad \left. 4073472T^{11} + 32817152T^{12} - 17989632T^{13} + 4718592T^{14} - 524288T^{15} \right) \times y + \\
 & \quad \frac{1}{T^8} \left(-196608 + 2146304T - 10928128T^2 + 34117632T^3 - 71846656T^4 + 104486336T^5 - \right. \\
 & \quad \quad \left. 99200352T^6 + 41421504T^7 + 41421504T^8 - 99200352T^9 + 104486336T^{10} - \right. \\
 & \quad \quad \left. 71846656T^{11} + 34117632T^{12} - 10928128T^{13} + 2146304T^{14} - 196608T^{15} \right) \times y + \\
 & \quad \left. \frac{1}{T^8} \left(196608 - 1425408T + 3698688T^2 - 273408T^3 - 25089792T^4 + 82266816T^5 - \right. \right. \\
 & \quad \quad \left. \left. 149664816T^6 + 180582876T^7 - 149664816T^8 + 82266816T^9 - 25089792T^{10} - \right. \right. \\
 & \quad \quad \left. \left. 273408T^{11} + 3698688T^{12} - 1425408T^{13} + 196608T^{14} \right) \times^2 y^2 \right\} \} \}
 \end{aligned}$$

» True

$$\begin{aligned}
 & \gg \text{Knot } [7, 5] \rightarrow \left\{ 567.281, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{2 - 4 T + 5 T^2 - 4 T^3 + 2 T^4}{T^2}, 0, 0, \right. \right. \\
 & \left. \left. \left\{ 1, \frac{1}{T^8} \left(-68 + 504 T - 1964 T^2 + 5256 T^3 - 10705 T^4 + 17458 T^5 - 23454 T^6 + 26378 T^7 - \right. \right. \right. \\
 & \quad \left. \left. \left. 25034 T^8 + 20082 T^9 - 13558 T^{10} + 7618 T^{11} - 3489 T^{12} + 1256 T^{13} - 332 T^{14} + 56 T^{15} - 4 T^{16} \right) + \right. \right. \\
 & \quad \left. \frac{1}{T^8} a \left(-64 + 448 T - 1632 T^2 + 4000 T^3 - 7216 T^4 + 9840 T^5 - 9896 T^6 + 6296 T^7 - 6296 T^9 + \right. \right. \\
 & \quad \left. \left. 9896 T^{10} - 9840 T^{11} + 7216 T^{12} - 4000 T^{13} + 1632 T^{14} - 448 T^{15} + 64 T^{16} \right) + \right. \\
 & \quad \left. \frac{1}{T^8} \left(-64 + 384 T - 1248 T^2 + 2752 T^3 - 4464 T^4 + 5376 T^5 - 4520 T^6 + 1776 T^7 + 1776 T^8 - \right. \right. \\
 & \quad \left. \left. 4520 T^9 + 5376 T^{10} - 4464 T^{11} + 2752 T^{12} - 1248 T^{13} + 384 T^{14} - 64 T^{15} \right) \times y, \right. \\
 & \quad \left. \frac{1}{T^{16}} a \left(4352 - 61440 T + 440192 T^2 - 2116992 T^3 + 7624704 T^4 - 21729984 T^5 + 50426048 T^6 - \right. \right. \\
 & \quad \left. \left. 96250752 T^7 + 149439504 T^8 - 178462496 T^9 + 127941912 T^{10} + 67784808 T^{11} - \right. \right. \\
 & \quad \left. \left. 454542600 T^{12} + 1023376260 T^{13} - 1691686224 T^{14} + 2317699492 T^{15} - 2748014208 T^{16} + \right. \right. \\
 & \quad \left. \left. 2876982668 T^{17} - 2687357456 T^{18} + 2251554972 T^{19} - 1695569208 T^{20} + \right. \right. \\
 & \quad \left. \left. 1147353944 T^{21} - 695987352 T^{22} + 376786848 T^{23} - 180810000 T^{24} + 76162176 T^{25} - \right. \right. \\
 & \quad \left. \left. 27775680 T^{26} + 8599744 T^{27} - 2196480 T^{28} + 442752 T^{29} - 65408 T^{30} + 6144 T^{31} - 256 T^{32} \right) + \right. \\
 & \quad \left. \frac{1}{2 T^{16}} \left(4640 - 67968 T + 508544 T^2 - 2578432 T^3 + 9922912 T^4 - 30799424 T^5 + 80038480 T^6 - \right. \right. \\
 & \quad \left. \left. 178553120 T^7 + 348028074 T^8 - 600412008 T^9 + 925712460 T^{10} - 1284947832 T^{11} + \right. \right. \\
 & \quad \left. \left. 1614752107 T^{12} - 1844865276 T^{13} + 1922174988 T^{14} - 1830162432 T^{15} + \right. \right. \\
 & \quad \left. \left. 1594247950 T^{16} - 1270879256 T^{17} + 926503756 T^{18} - 616686564 T^{19} + 373725499 T^{20} - \right. \right. \\
 & \quad \left. \left. 205378696 T^{21} + 101783196 T^{22} - 45162664 T^{23} + 17778570 T^{24} - 6140192 T^{25} + \right. \right. \\
 & \quad \left. \left. 1836752 T^{26} - 469696 T^{27} + 101728 T^{28} - 18688 T^{29} + 2944 T^{30} - 384 T^{31} + 32 T^{32} \right) + \right. \\
 & \quad \left. \frac{1}{T^{16}} a^2 \left(2048 - 27648 T + 187392 T^2 - 837120 T^3 + 2714112 T^4 - 6565120 T^5 + 11325184 T^6 - \right. \right. \\
 & \quad \left. \left. 10044288 T^7 - 15685248 T^8 + 99162176 T^9 - 284022720 T^{10} + 607569376 T^{11} - \right. \right. \\
 & \quad \left. \left. 1075055904 T^{12} + 1637465616 T^{13} - 2189521840 T^{14} + 2597341080 T^{15} - 2748014208 T^{16} + \right. \right. \\
 & \quad \left. \left. 2597341080 T^{17} - 2189521840 T^{18} + 1637465616 T^{19} - 1075055904 T^{20} + 607569376 T^{21} - \right. \right. \\
 & \quad \left. \left. 284022720 T^{22} + 99162176 T^{23} - 15685248 T^{24} - 10044288 T^{25} + 11325184 T^{26} - \right. \right. \\
 & \quad \left. \left. 6565120 T^{27} + 2714112 T^{28} - 837120 T^{29} + 187392 T^{30} - 27648 T^{31} + 2048 T^{32} \right) + \right. \\
 & \quad \left. \frac{1}{T^{16}} a \left(4096 - 49152 T + 296960 T^2 - 1169408 T^3 + 3228672 T^4 - 6005760 T^5 + 4731392 T^6 + 15137280 T^7 - \right. \right. \\
 & \quad \left. \left. 83025152 T^8 + 242252544 T^9 - 536929920 T^{10} + 986403200 T^{11} - 1557435200 T^{12} + 2152508736 T^{13} - \right. \right. \\
 & \quad \left. \left. 2629615776 T^{14} + 2852329440 T^{15} - 2748014208 T^{16} + 2342352720 T^{17} - 1749427904 T^{18} + \right. \right. \\
 & \quad \left. \left. 1122422496 T^{19} - 592676608 T^{20} + 228735552 T^{21} - 31115520 T^{22} - 43928192 T^{23} + 51654656 T^{24} - \right. \right. \\
 & \quad \left. \left. 35225856 T^{25} + 17918976 T^{26} - 7124480 T^{27} + 2199552 T^{28} - 504832 T^{29} + 77824 T^{30} - 6144 T^{31} \right) \times y + \right. \\
 & \quad \left. \frac{1}{T^{16}} \left(2304 - 31488 T + 221312 T^2 - 1058560 T^3 + 3852032 T^4 - 11312832 T^5 + 27788032 T^6 - \right. \right. \\
 & \quad \left. \left. 58418432 T^7 + 106706320 T^8 - 170918352 T^9 + 241046280 T^{10} - 298738288 T^{11} + 321775016 T^{12} - \right. \right. \\
 & \quad \left. \left. 292314340 T^{13} + 205521276 T^{14} - 74120312 T^{15} - 74120312 T^{16} + 205521276 T^{17} - 292314340 T^{18} + \right. \right. \\
 & \quad \left. \left. 321775016 T^{19} - 298738288 T^{20} + 241046280 T^{21} - 170918352 T^{22} + 106706320 T^{23} - 58418432 T^{24} + \right. \right. \\
 & \quad \left. \left. 27788032 T^{25} - 11312832 T^{26} + 3852032 T^{27} - 1058560 T^{28} + 221312 T^{29} - 31488 T^{30} + 2304 T^{31} \right) \times y + \right. \\
 & \quad \left. \frac{1}{T^{16}} \left(2560 - 29184 T + 171264 T^2 - 670976 T^3 + 1917312 T^4 - 4063872 T^5 + 5925440 T^6 - \right. \right. \\
 & \quad \left. \left. 3203904 T^7 - 12978144 T^8 + 55363872 T^9 - 136052496 T^{10} + 258717456 T^{11} - 411246968 T^{12} + \right. \right. \\
 & \quad \left. \left. 564237192 T^{13} - 678754932 T^{14} + 721330980 T^{15} - 678754932 T^{16} + 564237192 T^{17} - 411246968 T^{18} + \right. \right. \\
 & \quad \left. \left. 258717456 T^{19} - 136052496 T^{20} + 55363872 T^{21} - 12978144 T^{22} - 3203904 T^{23} + 5925440 T^{24} - \right. \right. \\
 & \quad \left. \left. 4063872 T^{25} + 1917312 T^{26} - 670976 T^{27} + 171264 T^{28} - 29184 T^{29} + 2560 T^{30} \right) \times x^2 y^2 \right\} \}
 \end{aligned}$$

» True

» Knot [7, 6] → {1081.67,

$$\begin{aligned}
& \mathbb{E}_{\{ \} \rightarrow \{ \}} \left[\frac{-1 + 5T - 7T^2 + 5T^3 - T^4}{T^2}, 0, 0, \left\{ 1, \frac{1}{T^8} \left(-3 + 55T - 442T^2 + 2071T^3 - 6366T^4 + 13705T^5 - 21471T^6 + \right. \right. \right. \\
& \quad \left. \left. \left. 24930T^7 - 21448T^8 + 13330T^9 - 5515T^{10} + 1075T^{11} + 280T^{12} - 279T^{13} + 92T^{14} - 15T^{15} + T^{16} \right) + \right. \\
& \quad \left. \frac{1}{T^8} a \left(-4 + 70T - 534T^2 + 2350T^3 - 6646T^4 + 12630T^5 - 15956T^6 + 11600T^7 - 11600T^9 + \right. \right. \\
& \quad \left. \left. 15956T^{10} - 12630T^{11} + 6646T^{12} - 2350T^{13} + 534T^{14} - 70T^{15} + 4T^{16} \right) + \right. \\
& \quad \left. \frac{1}{T^8} \left(-4 + 66T - 468T^2 + 1882T^3 - 4764T^4 + 7866T^5 - 8090T^6 + 3510T^7 + 3510T^8 - \right. \right. \\
& \quad \left. \left. 8090T^9 + 7866T^{10} - 4764T^{11} + 1882T^{12} - 468T^{13} + 66T^{14} - 4T^{15} \right) \times y, \right. \\
& \quad \left. \frac{1}{2T^{16}} \left(9 - 325T + 5490T^2 - 57745T^3 + 424763T^4 - 2326800T^5 + 9868241T^6 - 33246651T^7 + \right. \right. \\
& \quad \left. \left. 90512001T^8 - 201178774T^9 + 366303296T^{10} - 543011306T^{11} + 639560263T^{12} - 555069279T^{13} + \right. \right. \\
& \quad \left. \left. 251561810T^{14} + 196801729T^{15} - 629090588T^{16} + 888911369T^{17} - 912635422T^{18} + \right. \right. \\
& \quad \left. \left. 749180241T^{19} - 508165737T^{20} + 288184994T^{21} - 136798756T^{22} + 54000666T^{23} - 17472823T^{24} + \right. \right. \\
& \quad \left. \left. 4517529T^{25} - 890959T^{26} + 121020T^{27} - 7693T^{28} - 785T^{29} + 246T^{30} - 25T^{31} + T^{32} \right) + \right. \\
& \quad \left. \frac{1}{T^{16}} a \left(12 - 420T + 6852T^2 - 69250T^3 + 485706T^4 - 2506570T^5 + 9820342T^6 - 29544300T^7 + \right. \right. \\
& \quad \left. \left. 67347290T^8 - 108269940T^9 + 83494872T^{10} + 150229490T^{11} - 769496932T^{12} + 1860044250T^{13} - \right. \right. \\
& \quad \left. \left. 3275463028T^{14} + 4613460310T^{15} - 5387874516T^{16} + 5305569950T^{17} - 4439660260T^{18} + \right. \right. \\
& \quad \left. \left. 3164293770T^{19} - 1917222932T^{20} + 981425790T^{21} - 419607180T^{22} + 146909500T^{23} - 40637534 \right. \right. \\
& \quad \left. \left. T^{24} + 8219880T^{25} - 938858T^{26} - 58750T^{27} + 53250T^{28} - 12290T^{29} + 1608T^{30} - 120T^{31} + 4T^{32} \right) + \right. \\
& \quad \left. \frac{1}{T^{16}} a^2 \left(8 - 270T + 4230T^2 - 40770T^3 + 269478T^4 - 1282660T^5 + 4440742T^6 - 10662210T^7 + \right. \right. \\
& \quad \left. \left. 13354878T^8 + 19319780T^9 - 168056154T^{10} + 565827640T^{11} - 1343359932T^{12} + 2512169010T^{13} - \right. \right. \\
& \quad \left. \left. 3857561644T^{14} + 4959515130T^{15} - 5387874516T^{16} + 4959515130T^{17} - 3857561644T^{18} + \right. \right. \\
& \quad \left. \left. 2512169010T^{19} - 1343359932T^{20} + 565827640T^{21} - 168056154T^{22} + 19319780T^{23} + 13354878T^{24} - \right. \right. \\
& \quad \left. \left. 10662210T^{25} + 4440742T^{26} - 1282660T^{27} + 269478T^{28} - 40770T^{29} + 4230T^{30} - 270T^{31} + 8T^{32} \right) + \right. \\
& \quad \left. \frac{1}{T^{16}} a \left(16 - 516T + 7652T^2 - 68888T^3 + 416568T^4 - 1746672T^5 + 4872692T^6 - 6537348T^7 - \right. \right. \\
& \quad \left. \left. 14595512T^8 + 123407148T^9 - 446934060T^{10} + 1143069644T^{11} - 2288154596T^{12} + 3730371024 \right. \right. \\
& \quad \left. \left. T^{13} - 5045026164T^{14} + 5703282756T^{15} - 5387874516T^{16} + 4215747504T^{17} - 2670097124T^{18} + \right. \right. \\
& \quad \left. \left. 1293966996T^{19} - 398565268T^{20} - 11414364T^{21} + 110821752T^{22} - 84767588T^{23} + 41305268T^{24} - \right. \right. \\
& \quad \left. \left. 14787072T^{25} + 4008792T^{26} - 818648T^{27} + 122388T^{28} - 12652T^{29} + 808T^{30} - 24T^{31} \right) \times y + \right. \\
& \quad \left. \frac{1}{T^{16}} \left(4 - 146T + 2476T^2 - 26004T^3 + 190224T^4 - 1033686T^5 + 4345914T^6 - 14536176T^7 + \right. \right. \\
& \quad \left. \left. 39456236T^8 - 88133484T^9 + 163417542T^{10} - 252180608T^{11} + 321682392T^{12} - 330442368T^{13} + \right. \right. \\
& \quad \left. \left. 251656248T^{14} - 94398572T^{15} - 94398572T^{16} + 251656248T^{17} - 330442368T^{18} + \right. \right. \\
& \quad \left. \left. 321682392T^{19} - 252180608T^{20} + 163417542T^{21} - 88133484T^{22} + 39456236T^{23} - 14536176T^{24} + \right. \right. \\
& \quad \left. \left. 4345914T^{25} - 1033686T^{26} + 190224T^{27} - 26004T^{28} + 2476T^{29} - 146T^{30} + 4T^{31} \right) \times y + \right. \\
& \quad \left. \frac{1}{T^{16}} \left(10 - 321T + 4755T^2 - 43064T^3 + 265740T^4 - 1173126T^5 + 3741815T^6 - 8218839T^7 + \right. \right. \\
& \quad \left. \left. 9324180T^8 + 12470529T^9 - 96409395T^{10} + 288999333T^{11} - 606531065T^{12} + \right. \right. \\
& \quad \left. \left. 993585972T^{13} - 1321607445T^{14} + 1451181873T^{15} - 1321607445T^{16} + 993585972T^{17} - \right. \right. \\
& \quad \left. \left. 606531065T^{18} + 288999333T^{19} - 96409395T^{20} + 12470529T^{21} + 9324180T^{22} - 8218839T^{23} + \right. \right. \\
& \quad \left. \left. 3741815T^{24} - 1173126T^{25} + 265740T^{26} - 43064T^{27} + 4755T^{28} - 321T^{29} + 10T^{30} \right) \times x^2 y^2 \right\} \}
\end{aligned}$$

» True

» Knot [7, 7] → {1194.58,

$$\begin{aligned} & \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{1 - 5T + 9T^2 - 5T^3 + T^4}{T^2}, 0, 0, \left\{ 1, \frac{1}{T^8} (-2 + 35T - 276T^2 + 1281T^3 - 3824T^4 + 7459T^5 - 8874T^6 + \right. \right. \\ & \quad 4026T^7 + 5984T^8 - 14014T^9 + 14650T^{10} - 9731T^{11} + 4406T^{12} - 1369T^{13} + 282T^{14} - 35T^{15} + 2T^{16}) + \\ & \quad \frac{1}{T^8} a (-4 + 70T - 558T^2 + 2650T^3 - 8230T^4 + 17190T^5 - 23524T^6 + 18040T^7 - 18040T^9 + \\ & \quad 23524T^{10} - 17190T^{11} + 8230T^{12} - 2650T^{13} + 558T^{14} - 70T^{15} + 4T^{16}) + \\ & \quad \frac{1}{T^8} (-4 + 66T - 492T^2 + 2158T^3 - 6072T^4 + 11118T^5 - 12406T^6 + 5634T^7 + 5634T^8 - \\ & \quad 12406T^9 + 11118T^{10} - 6072T^{11} + 2158T^{12} - 492T^{13} + 66T^{14} - 4T^{15}) \times y, \\ & \quad \frac{1}{2T^{16}} (4 - 135T + 2132T^2 - 20785T^3 + 138410T^4 - 651810T^5 + 2115218T^6 - 3861523T^7 - \\ & \quad 3000480T^8 + 52974120T^9 - 229287616T^{10} + 664215170T^{11} - 1473577158T^{12} + 2624359675T^{13} - \\ & \quad 3832764668T^{14} + 4635921595T^{15} - 4657190546T^{16} + 3871896963T^{17} - 2631487140T^{18} + \\ & \quad 1419849115T^{19} - 563297606T^{20} + 119709930T^{21} + 33088496T^{22} - 49282300T^{23} + 29087588T^{24} - \\ & \quad 11870875T^{25} + 3671778T^{26} - 879218T^{27} + 161942T^{28} - 22325T^{29} + 2180T^{30} - 135T^{31} + 4T^{32}) + \\ & \quad \frac{1}{T^{16}} a^2 (8 - 270T + 4310T^2 - 43030T^3 + 298782T^4 - 1511380T^5 + 5613174T^6 - 14582430T^7 + \\ & \quad 20190582T^8 + 27707820T^9 - 275268618T^{10} + 997057500T^{11} - 2511612732T^{12} + 4923911430T^{13} - \\ & \quad 7826776572T^{14} + 10277257230T^{15} - 11244491604T^{16} + 10277257230T^{17} - 7826776572T^{18} + \\ & \quad 4923911430T^{19} - 2511612732T^{20} + 997057500T^{21} - 275268618T^{22} + 27707820T^{23} + 20190582T^{24} - \\ & \quad 14582430T^{25} + 5613174T^{26} - 1511380T^{27} + 298782T^{28} - 43030T^{29} + 4310T^{30} - 270T^{31} + 8T^{32}) + \\ & \quad \frac{1}{T^{16}} a (8 - 270T + 4286T^2 - 42260T^3 + 287016T^4 - 1397676T^5 + 4834894T^6 - 10577754T^7 + \\ & \quad 4146548T^8 + 78836030T^9 - 406456674T^{10} + 1269310120T^{11} - 2966752508T^{12} + 5526166710T^{13} - \\ & \quad 8427415336T^{14} + 10659269546T^{15} - 11244491604T^{16} + 9895244914T^{17} - 7226137808T^{18} + \\ & \quad 4321656150T^{19} - 2056472956T^{20} + 724804880T^{21} - 144080562T^{22} - 23420390T^{23} + 36234616T^{24} - \\ & \quad 18587106T^{25} + 6391454T^{26} - 1625084T^{27} + 310548T^{28} - 43800T^{29} + 4334T^{30} - 270T^{31} + 8T^{32}) + \\ & \quad \frac{1}{T^{14}} (-24 + 746T - 11020T^2 + 102684T^3 - 675596T^4 + 3329080T^5 - 12714954T^6 + \\ & \quad 38413256T^7 - 92774800T^8 + 179477820T^9 - 275661956T^{10} + 326593324T^{11} - \\ & \quad 274045440T^{12} + 107966876T^{13} + 107966876T^{14} - 274045440T^{15} + 326593324T^{16} - \\ & \quad 275661956T^{17} + 179477820T^{18} - 92774800T^{19} + 38413256T^{20} - 12714954T^{21} + \\ & \quad 3329080T^{22} - 675596T^{23} + 102684T^{24} - 11020T^{25} + 746T^{26} - 24T^{27}) \times y + \\ & \quad \frac{1}{T^{16}} a (16 - 516T + 7812T^2 - 73136T^3 + 467400T^4 - 2101032T^5 + 6379524T^6 - 9731988T^7 - \\ & \quad 19297656T^8 + 192194076T^9 - 759971628T^{10} + 2087670132T^{11} - 4428685572T^{12} + 7542640656 \\ & \quad T^{13} - 10490335380T^{14} + 11989626732T^{15} - 11244491604T^{16} + 8564887728T^{17} - 5163217764T^{18} + \\ & \quad 2305182204T^{19} - 594539892T^{20} - 93555132T^{21} + 209434392T^{22} - 136778436T^{23} + 59678820T^{24} - \\ & \quad 19432872T^{25} + 4846824T^{26} - 921728T^{27} + 130164T^{28} - 12924T^{29} + 808T^{30} - 24T^{31}) \times y + \\ & \quad \frac{1}{T^{16}} (10 - 321T + 4863T^2 - 45962T^3 + 301320T^4 - 1435644T^5 + 5017455T^6 - 12335247T^7 + \\ & \quad 17034948T^8 + 12724869T^9 - 153879255T^{10} + 516673251T^{11} - 1166793693T^{12} + \\ & \quad 2009670912T^{13} - 2754134865T^{14} + 3054394719T^{15} - 2754134865T^{16} + 2009670912T^{17} - \\ & \quad 1166793693T^{18} + 516673251T^{19} - 153879255T^{20} + 12724869T^{21} + 17034948T^{22} - 12335247T^{23} + \\ & \quad 5017455T^{24} - 1435644T^{25} + 301320T^{26} - 45962T^{27} + 4863T^{28} - 321T^{29} + 10T^{30}) \times x^2 y^2 \} \} \end{aligned}$$

» True

$$\begin{aligned}
& \gg \text{Knot}[8, 1] \rightarrow \left\{ 701.016, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-3 + 7T - 3T^2}{T}, 0, 0, \right. \right. \\
& \left. \left. \left\{ 1, \frac{-126 + 1011T - 3290T^2 + 5546T^3 - 5088T^4 + 2354T^5 - 320T^6 - 123T^7 + 36T^8}{T^4} + \right. \right. \\
& \left. \left. \frac{a(-162 + 1134T - 2970T^2 + 3192T^3 - 3192T^5 + 2970T^6 - 1134T^7 + 162T^8)}{T^4} + \right. \right. \\
& \left. \left. \frac{(-162 + 972T - 1998T^2 + 1194T^3 + 1194T^4 - 1998T^5 + 972T^6 - 162T^7) \times y}{T^4}, \right. \right. \\
& \left. \left. \frac{1}{2T^8} (17010 - 265599T + 1866456T^2 - 7777062T^3 + 21268188T^4 - 39746921T^5 + \right. \right. \\
& \left. \left. 50714696T^6 - 41400625T^7 + 15294714T^8 + 8691183T^9 - 16681152T^{10} + \right. \right. \\
& \left. \left. 11838847T^{11} - 4813920T^{12} + 1096758T^{13} - 93096T^{14} - 11907T^{15} + 2430T^{16}) + \right. \right. \\
& \left. \left. \frac{1}{T^8} a(20412 - 279936T + 1622754T^2 - 4872366T^3 + 6118632T^4 + 9012978T^5 - \right. \right. \\
& \left. \left. 56832464T^6 + 128982334T^7 - 182897676T^8 + 179074142T^9 - 124228312T^{10} + \right. \right. \\
& \left. \left. 60598746T^{11} - 19963476T^{12} + 4001454T^{13} - 336798T^{14} - 26244T^{15} + 5832T^{16}) + \right. \right. \\
& \left. \left. \frac{1}{T^8} a^2(13122 - 153090T + 642978T^2 - 435456T^3 - 6922422T^4 + 34805862T^5 - 90530388T^6 + \right. \right. \\
& \left. \left. 154028238T^7 - 182897676T^8 + 154028238T^9 - 90530388T^{10} + 34805862T^{11} - \right. \right. \\
& \left. \left. 6922422T^{12} - 435456T^{13} + 642978T^{14} - 153090T^{15} + 13122T^{16}) + \right. \right. \\
& \left. \left. \frac{1}{T^8} a(26244 - 253692T + 629856T^2 + 2514564T^3 - 22386780T^4 + 75765456T^5 - \right. \right. \\
& \left. \left. 153737532T^6 + 205349196T^7 - 182897676T^8 + 102707280T^9 - 27323244T^{10} - \right. \right. \\
& \left. \left. 6153732T^{11} + 8541936T^{12} - 3385476T^{13} + 656100T^{14} - 52488T^{15}) \times y + \right. \right. \\
& \left. \left. \frac{1}{T^8} (7290 - 119556T + 860220T^2 - 3576690T^3 + 9464364T^4 - 16328520T^5 + 17369404T^6 - \right. \right. \\
& \left. \left. 7676500T^7 - 7676500T^8 + 17369404T^9 - 16328520T^{10} + \right. \right. \\
& \left. \left. 9464364T^{11} - 3576690T^{12} + 860220T^{13} - 119556T^{14} + 7290T^{15}) \times y + \right. \right. \\
& \left. \left. \frac{1}{T^8} (19683 - 207765T + 796068T^2 - 710775T^3 - 4769037T^4 + 21003138T^5 - 43108065T^6 + \right. \right. \\
& \left. \left. 53953653T^7 - 43108065T^8 + 21003138T^9 - 4769037T^{10} - \right. \right. \\
& \left. \left. 710775T^{11} + 796068T^{12} - 207765T^{13} + 19683T^{14}) \times^2 y^2 \right\} \right\}
\end{aligned}$$

» True

» Knot[8, 2] →

$$\begin{aligned}
& \left\{ 498.266, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-1 + 3T - 3T^2 + 3T^3 - 3T^4 + 3T^5 - T^6}{T^3}, 0, 0, \left\{ 1, \frac{1}{T^{12}} (-5 + 57T - 295T^2 + 949T^3 - 2219T^4 + \right. \right. \right. \\
& \left. \left. 4184T^5 - 6783T^6 + 9737T^7 - 12499T^8 + 14445T^9 - 15149T^{10} + 14470T^{11} - 12560T^{12} + 9862T^{13} - \right. \right. \\
& \left. \left. 6959T^{14} + 4347T^{15} - 2329T^{16} + 1007T^{17} - 291T^{18} - 16T^{19} + 97T^{20} - 77T^{21} + 35T^{22} - 9T^{23} + T^{24}) + \right. \right. \\
& \left. \left. \frac{1}{T^{12}} a(-6 + 66T - 330T^2 + 1026T^3 - 2316T^4 + 4200T^5 - 6492T^6 + 8730T^7 - 10170T^8 + \right. \right. \\
& \left. \left. 10098T^9 - 8190T^{10} + 4608T^{11} - 4608T^{13} + 8190T^{14} - 10098T^{15} + 10170T^{16} - \right. \right. \\
& \left. \left. 8730T^{17} + 6492T^{18} - 4200T^{19} + 2316T^{20} - 1026T^{21} + 330T^{22} - 66T^{23} + 6T^{24}) + \right. \right. \\
& \left. \left. \frac{1}{T^{12}} (-6 + 60T - 270T^2 + 756T^3 - 1560T^4 + 2640T^5 - 3852T^6 + 4878T^7 - 5292T^8 + 4806T^9 - \right. \right. \\
& \left. \left. 3384T^{10} + 1224T^{11} + 1224T^{12} - 3384T^{13} + 4806T^{14} - 5292T^{15} + 4878T^{16} - \right. \right. \\
& \left. \left. 3852T^{17} + 2640T^{18} - 1560T^{19} + 756T^{20} - 270T^{21} + 60T^{22} - 6T^{23}) \times y, \right. \right. \\
& \left. \left. \frac{1}{2T^{24}} (25 - 567T + 6125T^2 - 42233T^3 + 210460T^4 - 814509T^5 + 2569582T^6 - 6844070T^7 + 15797591T^8 - \right. \right.
\end{aligned}$$

$$\begin{aligned}
 & 32\,218\,776\,T^9 + 58\,885\,743\,T^{10} - 97\,410\,948\,T^{11} + 146\,772\,571\,T^{12} - 202\,000\,710\,T^{13} + 253\,666\,092\,T^{14} - \\
 & 288\,756\,851\,T^{15} + 293\,117\,070\,T^{16} - 254\,996\,775\,T^{17} + 168\,751\,997\,T^{18} - 37\,524\,837\,T^{19} - 126\,137\,387\,T^{20} + \\
 & 302\,215\,948\,T^{21} - 467\,300\,374\,T^{22} + 599\,613\,048\,T^{23} - 683\,522\,062\,T^{24} + 712\,346\,936\,T^{25} - 688\,822\,910\,T^{26} + \\
 & 623\,321\,812\,T^{27} - 530\,616\,819\,T^{28} + 426\,303\,123\,T^{29} - 323\,844\,619\,T^{30} + 232\,802\,385\,T^{31} - 158\,346\,078\,T^{32} + \\
 & 101\,789\,401\,T^{33} - 61\,701\,036\,T^{34} + 35\,141\,634\,T^{35} - 18\,708\,857\,T^{36} + 9\,244\,392\,T^{37} - 4\,198\,633\,T^{38} + \\
 & 1\,729\,236\,T^{39} - 632\,981\,T^{40} + 199\,386\,T^{41} - 51\,002\,T^{42} + 9295\,T^{43} - 664\,T^{44} - 233\,T^{45} + 93\,T^{46} - 15\,T^{47} + T^{48} \Big) + \\
 & \frac{1}{T^{24}} a \left(30 - 666\,T + 7042\,T^2 - 47\,514\,T^3 + 231\,520\,T^4 - 874\,748\,T^5 + 2\,686\,482\,T^6 - 6\,932\,236\,T^7 + \right. \\
 & 15\,379\,190\,T^8 - 29\,758\,506\,T^9 + 50\,515\,460\,T^{10} - 74\,835\,090\,T^{11} + 94\,320\,762\,T^{12} - 93\,157\,512\,T^{13} + \\
 & 47\,921\,094\,T^{14} + 69\,881\,184\,T^{15} - 288\,151\,560\,T^{16} + 626\,200\,062\,T^{17} - 1\,086\,300\,750\,T^{18} + 1\,647\,420\,114\,T^{19} - \\
 & 2\,263\,770\,646\,T^{20} + 2\,869\,813\,020\,T^{21} - 3\,391\,268\,524\,T^{22} + 3\,759\,585\,728\,T^{23} - 3\,926\,133\,504\,T^{24} + \\
 & 3\,872\,319\,616\,T^{25} - 3\,612\,791\,060\,T^{26} + 3\,190\,918\,884\,T^{27} - 2\,668\,250\,078\,T^{28} + 2\,111\,248\,074\,T^{29} - \\
 & 1\,578\,897\,366\,T^{30} + 1\,113\,999\,222\,T^{31} - 739\,614\,708\,T^{32} + 460\,427\,436\,T^{33} - 267\,446\,034\,T^{34} + \\
 & 143\,984\,832\,T^{35} - 71\,160\,666\,T^{36} + 31\,820\,250\,T^{37} - 12\,568\,916\,T^{38} + 4\,189\,506\,T^{39} - 1\,051\,382\,T^{40} + \\
 & 111\,220\,T^{41} + 65\,898\,T^{42} - 50\,944\,T^{43} + 20\,396\,T^{44} - 5514\,T^{45} + 1010\,T^{46} - 114\,T^{47} + 6\,T^{48} \Big) + \\
 & \frac{1}{T^{24}} a^2 \left(18 - 390\,T + 4026\,T^2 - 26\,514\,T^3 + 125\,958\,T^4 - 462\,846\,T^5 + 1\,376\,190\,T^6 - 3\,410\,508\,T^7 + 7\,163\,904\,T^8 - \right. \\
 & 12\,784\,500\,T^9 + 18\,973\,272\,T^{10} - 21\,507\,420\,T^{11} + 11\,580\,048\,T^{12} + 25\,413\,660\,T^{13} - 109\,762\,470\,T^{14} + \\
 & 265\,154\,310\,T^{15} - 513\,883\,134\,T^{16} + 870\,099\,642\,T^{17} - 1\,332\,599\,058\,T^{18} + 1\,879\,334\,094\,T^{19} - \\
 & 2\,466\,010\,362\,T^{20} + 3\,030\,365\,952\,T^{21} - 3\,502\,029\,792\,T^{22} + 3\,815\,952\,672\,T^{23} - 3\,926\,133\,504\,T^{24} + \\
 & 3\,815\,952\,672\,T^{25} - 3\,502\,029\,792\,T^{26} + 3\,030\,365\,952\,T^{27} - 2\,466\,010\,362\,T^{28} + 1\,879\,334\,094\,T^{29} - \\
 & 1\,332\,599\,058\,T^{30} + 870\,099\,642\,T^{31} - 513\,883\,134\,T^{32} + 265\,154\,310\,T^{33} - 109\,762\,470\,T^{34} + \\
 & 25\,413\,660\,T^{35} + 11\,580\,048\,T^{36} - 21\,507\,420\,T^{37} + 18\,973\,272\,T^{38} - 12\,784\,500\,T^{39} + 7\,163\,904\,T^{40} - \\
 & 3\,410\,508\,T^{41} + 1\,376\,190\,T^{42} - 462\,846\,T^{43} + 125\,958\,T^{44} - 26\,514\,T^{45} + 4026\,T^{46} - 390\,T^{47} + 18\,T^{48} \Big) + \\
 & \frac{1}{T^{24}} a \left(36 - 732\,T + 7056\,T^2 - 43\,200\,T^3 + 190\,068\,T^4 - 644\,412\,T^5 + 1\,758\,456\,T^6 - 3\,958\,212\,T^7 + \right. \\
 & 7\,382\,520\,T^8 - 11\,077\,020\,T^9 + 11\,682\,744\,T^{10} - 1\,806\,852\,T^{11} - 31\,409\,640\,T^{12} + 106\,714\,980\,T^{13} - \\
 & 247\,233\,060\,T^{14} + 476\,396\,640\,T^{15} - 811\,549\,080\,T^{16} + 1\,256\,470\,452\,T^{17} - 1\,794\,883\,140\,T^{18} + \\
 & 2\,387\,383\,824\,T^{19} - 2\,973\,920\,544\,T^{20} + 3\,482\,457\,408\,T^{21} - 3\,842\,296\,656\,T^{22} + 3\,998\,866\,080\,T^{23} - \\
 & 3\,926\,133\,504\,T^{24} + 3\,633\,039\,264\,T^{25} - 3\,161\,762\,928\,T^{26} + 2\,578\,274\,496\,T^{27} - 1\,958\,100\,180\,T^{28} + \\
 & 1\,371\,284\,364\,T^{29} - 870\,314\,976\,T^{30} + 483\,728\,832\,T^{31} - 216\,217\,188\,T^{32} + 53\,911\,980\,T^{33} + \\
 & 27\,708\,120\,T^{34} - 55\,887\,660\,T^{35} + 54\,569\,736\,T^{36} - 41\,207\,988\,T^{37} + 26\,263\,800\,T^{38} - 14\,491\,980\,T^{39} + \\
 & 6\,945\,288\,T^{40} - 2\,862\,804\,T^{41} + 993\,924\,T^{42} - 281\,280\,T^{43} + 61\,848\,T^{44} - 9828\,T^{45} + 996\,T^{46} - 48\,T^{47} \Big) x y + \\
 & \frac{1}{T^{24}} \left(12 - 264\,T + 2752\,T^2 - 18\,248\,T^3 + 87\,314\,T^4 - 324\,588\,T^5 + 985\,704\,T^6 - 2\,536\,024\,T^7 + \right. \\
 & 5\,679\,262\,T^8 - 11\,294\,744\,T^9 + 20\,247\,444\,T^{10} - 33\,080\,226\,T^{11} + 49\,660\,488\,T^{12} - 68\,910\,684\,T^{13} + \\
 & 88\,772\,880\,T^{14} - 106\,500\,246\,T^{15} + 119\,231\,328\,T^{16} - 124\,668\,252\,T^{17} + 121\,630\,056\,T^{18} - \\
 & 110\,283\,924\,T^{19} + 91\,955\,792\,T^{20} - 68\,597\,140\,T^{21} + 42\,164\,128\,T^{22} - 14\,202\,816\,T^{23} - 14\,202\,816\,T^{24} + \\
 & 42\,164\,128\,T^{25} - 68\,597\,140\,T^{26} + 91\,955\,792\,T^{27} - 110\,283\,924\,T^{28} + 121\,630\,056\,T^{29} - \\
 & 124\,668\,252\,T^{30} + 119\,231\,328\,T^{31} - 106\,500\,246\,T^{32} + 88\,772\,880\,T^{33} - 68\,910\,684\,T^{34} + \\
 & 49\,660\,488\,T^{35} - 33\,080\,226\,T^{36} + 20\,247\,444\,T^{37} - 11\,294\,744\,T^{38} + 5\,679\,262\,T^{39} - 2\,536\,024\,T^{40} + \\
 & 985\,704\,T^{41} - 324\,588\,T^{42} + 87\,314\,T^{43} - 18\,248\,T^{44} + 2752\,T^{45} - 264\,T^{46} + 12\,T^{47} \Big) x y + \\
 & \frac{1}{T^{24}} \left(21 - 411\,T + 3810\,T^2 - 22\,452\,T^3 + 95\,385\,T^4 - 314\,199\,T^5 + 841\,116\,T^6 - 1\,884\,759\,T^7 + \right. \\
 & 3\,583\,866\,T^8 - 5\,751\,339\,T^9 + 7\,471\,344\,T^{10} - 6\,622\,803\,T^{11} - 503\,298\,T^{12} + 19\,248\,417\,T^{13} - \\
 & 56\,037\,843\,T^{14} + 117\,115\,614\,T^{15} - 206\,703\,864\,T^{16} + 324\,992\,493\,T^{17} - 466\,549\,383\,T^{18} + \\
 & 619\,821\,618\,T^{19} - 768\,227\,142\,T^{20} + 892\,827\,942\,T^{21} - 976\,006\,038\,T^{22} + 1\,005\,243\,858\,T^{23} - \\
 & 976\,006\,038\,T^{24} + 892\,827\,942\,T^{25} - 768\,227\,142\,T^{26} + 619\,821\,618\,T^{27} - 466\,549\,383\,T^{28} + \\
 & 324\,992\,493\,T^{29} - 206\,703\,864\,T^{30} + 117\,115\,614\,T^{31} - 56\,037\,843\,T^{32} + 19\,248\,417\,T^{33} - \\
 & 503\,298\,T^{34} - 6\,622\,803\,T^{35} + 7\,471\,344\,T^{36} - 5\,751\,339\,T^{37} + 3\,583\,866\,T^{38} - 1\,884\,759\,T^{39} + \\
 & 841\,116\,T^{40} - 314\,199\,T^{41} + 95\,385\,T^{42} - 22\,452\,T^{43} + 3810\,T^{44} - 411\,T^{45} + 21\,T^{46} \Big) x^2 y^2 \Big\} \Big\}
 \end{aligned}$$

» True

» Knot [8, 3] → {299.75,

$$\begin{aligned}
 & \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-4 + 9T - 4T^2}{T}, 0, 0, \left\{ 1, \frac{-256 + 1728T - 4400T^2 + 4644T^3 - 4644T^5 + 4400T^6 - 1728T^7 + 256T^8}{T^4} \right. \right. \\
 & \quad \left. \left. + \frac{a(-512 + 3456T - 8800T^2 + 9288T^3 - 9288T^5 + 8800T^6 - 3456T^7 + 512T^8)}{T^4} + \right. \right. \\
 & \quad \left. \left. \frac{(-512 + 2944T - 5856T^2 + 3432T^3 + 3432T^4 - 5856T^5 + 2944T^6 - 512T^7)}{T^4} \right) \times y, \right. \\
 & \quad \frac{1}{T^8} (36864 - 450560T + 2242816T^2 - 5058560T^3 - 281424T^4 + 35804736T^5 - \\
 & \quad 115844781T^6 + 211080074T^7 - 255058330T^8 + 211080074T^9 - 115844781T^{10} + \\
 & \quad 35804736T^{11} - 281424T^{12} - 5058560T^{13} + 2242816T^{14} - 450560T^{15} + 36864T^{16}) + \\
 & \quad \frac{1}{T^8} a (131072 - 1474560T + 5971968T^2 - 3631104T^3 - 63212032T^4 + 309391488T^5 - \\
 & \quad 792637088T^6 + 1337068872T^7 - 1583217216T^8 + 1337068872T^9 - 792637088T^{10} + \\
 & \quad 309391488T^{11} - 63212032T^{12} - 3631104T^{13} + 5971968T^{14} - 1474560T^{15} + 131072T^{16}) + \\
 & \quad \frac{1}{T^8} a^2 (131072 - 1474560T + 5971968T^2 - 3631104T^3 - 63212032T^4 + 309391488T^5 - \\
 & \quad 792637088T^6 + 1337068872T^7 - 1583217216T^8 + 1337068872T^9 - 792637088T^{10} + \\
 & \quad 309391488T^{11} - 63212032T^{12} - 3631104T^{13} + 5971968T^{14} - 1474560T^{15} + 131072T^{16}) + \\
 & \quad \frac{1}{T^8} a (262144 - 2424832T + 5652480T^2 + 23965696T^3 - 202036224T^4 + 667461888T^5 - \\
 & \quad 1335231808T^6 + 1772880400T^7 - 1583217216T^8 + 901257344T^9 - 250042368T^{10} - \\
 & \quad 48678912T^{11} + 75612160T^{12} - 31227904T^{13} + 6291456T^{14} - 524288T^{15}) \times y + \\
 & \quad \left. \left. \frac{1}{T^8} (196608 - 1982464T + 7237632T^2 - 5673984T^3 - 44013312T^4 + 185362752T^5 - \right. \right. \\
 & \quad \left. \left. 373759536T^6 + 465264868T^7 - 373759536T^8 + 185362752T^9 - 44013312T^{10} - \right. \right. \\
 & \quad \left. \left. 5673984T^{11} + 7237632T^{12} - 1982464T^{13} + 196608T^{14}) \times^2 y^2 \right\} \right\}
 \end{aligned}$$

» True

$$\begin{aligned}
 & \gg \text{Knot}[8, 4] \rightarrow \left\{ 1145.61, E_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-2 + 5 T - 5 T^2 + 5 T^3 - 2 T^4}{T^2}, \emptyset, \emptyset, \right. \right. \\
 & \left. \left. \left\{ 1, \frac{1}{T^8} \left(-44 + 396 T - 1655 T^2 + 4386 T^3 - 8403 T^4 + 12333 T^5 - 14115 T^6 + 12438 T^7 - \right. \right. \right. \\
 & \quad \left. \left. \left. 7854 T^8 + 2498 T^9 + 1415 T^{10} - 2937 T^{11} + 2575 T^{12} - 1514 T^{13} + 625 T^{14} - 164 T^{15} + 20 T^{16} \right) + \right. \right. \\
 & \quad \left. \frac{1}{T^8} a \left(-64 + 560 T - 2280 T^2 + 5900 T^3 - 10978 T^4 + 15270 T^5 - 15530 T^6 + 9940 T^7 - 9940 T^9 + \right. \right. \\
 & \quad \left. \left. 15530 T^{10} - 15270 T^{11} + 10978 T^{12} - 5900 T^{13} + 2280 T^{14} - 560 T^{15} + 64 T^{16} \right) + \right. \\
 & \quad \left. \frac{1}{T^8} \left(-64 + 496 T - 1784 T^2 + 4116 T^3 - 6862 T^4 + 8408 T^5 - 7122 T^6 + 2818 T^7 + 2818 T^8 - \right. \right. \\
 & \quad \left. \left. 7122 T^9 + 8408 T^{10} - 6862 T^{11} + 4116 T^{12} - 1784 T^{13} + 496 T^{14} - 64 T^{15} \right) \times y, \right. \\
 & \quad \left. \frac{1}{2 T^{16}} \left(1952 - 34432 T + 290240 T^2 - 1558000 T^3 + 5972962 T^4 - 17311188 T^5 + 38860301 T^6 - 66922936 T^7 + \right. \right. \\
 & \quad \left. \left. 81138763 T^8 - 38415045 T^9 - 119478390 T^{10} + 439742160 T^{11} - 922740885 T^{12} + 1498518795 T^{13} - \right. \right. \\
 & \quad \left. \left. 2036869585 T^{14} + 2393715935 T^{15} - 2471733934 T^{16} + 2261327455 T^{17} - 1839471285 T^{18} + \right. \right. \\
 & \quad \left. \left. 1330140135 T^{19} - 851563209 T^{20} + 478290568 T^{21} - 231592470 T^{22} + 93362635 T^{23} - 28828697 T^{24} + \right. \right. \\
 & \quad \left. \left. 4920572 T^{25} + 1129401 T^{26} - 1389436 T^{27} + 670882 T^{28} - 214000 T^{29} + 46720 T^{30} - 6400 T^{31} + 416 T^{32} \right) + \right. \\
 & \quad \left. \frac{1}{T^{16}} a \left(2816 - 48576 T + 400160 T^2 - 2095680 T^3 + 7799040 T^4 - 21652956 T^5 + 44999090 T^6 - \right. \right. \\
 & \quad \left. \left. 64694934 T^7 + 35539020 T^8 + 131991230 T^9 - 559906110 T^{10} + 1353891036 T^{11} - \right. \right. \\
 & \quad \left. \left. 2528460660 T^{12} + 3946071780 T^{13} - 5319314250 T^{14} + 6297522590 T^{15} - 6605999820 T^{16} + \right. \right. \\
 & \quad \left. \left. 6165134110 T^{17} - 5121915950 T^{18} + 3777693120 T^{19} - 2457282984 T^{20} + 1392439444 T^{21} - \right. \right. \\
 & \quad \left. \left. 672020190 T^{22} + 263768910 T^{23} - 74428440 T^{24} + 7148574 T^{25} + 7268190 T^{26} - \right. \right. \\
 & \quad \left. \left. 5731204 T^{27} + 2496960 T^{28} - 751680 T^{29} + 156640 T^{30} - 20544 T^{31} + 1280 T^{32} \right) + \right. \\
 & \quad \left. \frac{1}{T^{16}} a^2 \left(2048 - 34560 T + 278400 T^2 - 1423680 T^3 + 5148000 T^4 - 13692080 T^5 + 26133640 T^6 - \right. \right. \\
 & \quad \left. \left. 28773180 T^7 - 19444710 T^8 + 197880070 T^9 - 615963150 T^{10} + 1373165240 T^{11} - \right. \right. \\
 & \quad \left. \left. 2492871822 T^{12} + 3861882450 T^{13} - 5220615100 T^{14} + 6231328350 T^{15} - 6605999820 T^{16} + \right. \right. \\
 & \quad \left. \left. 6231328350 T^{17} - 5220615100 T^{18} + 3861882450 T^{19} - 2492871822 T^{20} + 1373165240 T^{21} - \right. \right. \\
 & \quad \left. \left. 615963150 T^{22} + 197880070 T^{23} - 19444710 T^{24} - 28773180 T^{25} + 26133640 T^{26} - \right. \right. \\
 & \quad \left. \left. 13692080 T^{27} + 5148000 T^{28} - 1423680 T^{29} + 278400 T^{30} - 34560 T^{31} + 2048 T^{32} \right) + \right. \\
 & \quad \left. \frac{1}{T^{16}} a \left(4096 - 62976 T + 457472 T^2 - 2076800 T^3 + 6460608 T^4 - 13631456 T^5 + 14746000 T^6 + \right. \right. \\
 & \quad \left. \left. 21647016 T^7 - 164238508 T^8 + 519870300 T^9 - 1203556752 T^{10} + 2274075436 T^{11} - \right. \right. \\
 & \quad \left. \left. 3659770300 T^{12} + 5123125680 T^{13} - 6307235740 T^{14} + 6863916940 T^{15} - \right. \right. \\
 & \quad \left. \left. 6605999820 T^{16} + 5598739760 T^{17} - 4133994460 T^{18} + 2600639220 T^{19} - 1325973344 T^{20} + \right. \right. \\
 & \quad \left. \left. 472255044 T^{21} - 28369548 T^{22} - 124110160 T^{23} + 125349088 T^{24} - 79193376 T^{25} + \right. \right. \\
 & \quad \left. \left. 37521280 T^{26} - 13752704 T^{27} + 3835392 T^{28} - 770560 T^{29} + 99328 T^{30} - 6144 T^{31} \right) \times y + \right. \\
 & \quad \left. \frac{1}{T^{16}} \left(768 - 13248 T + 108512 T^2 - 563488 T^3 + 2087552 T^4 - 5873324 T^5 + 12992126 T^6 - \right. \right. \\
 & \quad \left. \left. 22929628 T^7 + 32054102 T^8 - 33834738 T^9 + 22222302 T^{10} + 2948098 T^{11} - 32640740 T^{12} + \right. \right. \\
 & \quad \left. \left. 51548590 T^{13} - 47150560 T^{14} + 19043680 T^{15} + 19043680 T^{16} - 47150560 T^{17} + 51548590 T^{18} - \right. \right. \\
 & \quad \left. \left. 32640740 T^{19} + 2948098 T^{20} + 22222302 T^{21} - 33834738 T^{22} + 32054102 T^{23} - 22929628 T^{24} + \right. \right. \\
 & \quad \left. \left. 12992126 T^{25} - 5873324 T^{26} + 2087552 T^{27} - 563488 T^{28} + 108512 T^{29} - 13248 T^{30} + 768 T^{31} \right) \times y + \right. \\
 & \quad \left. \frac{1}{T^{16}} \left(2560 - 38016 T + 268992 T^2 - 1209056 T^3 + 3844272 T^4 - 8943912 T^5 + 14540932 T^6 - 11384586 T^7 - \right. \right. \\
 & \quad \left. \left. 21416673 T^8 + 115643289 T^9 - 303309660 T^{10} + 596702535 T^{11} - 968399845 T^{12} + 1345880190 T^{13} - \right. \right. \\
 & \quad \left. \left. 1630613685 T^{14} + 1736865505 T^{15} - 1630613685 T^{16} + 1345880190 T^{17} - 968399845 T^{18} + \right. \right. \\
 & \quad \left. \left. 596702535 T^{19} - 303309660 T^{20} + 115643289 T^{21} - 21416673 T^{22} - 11384586 T^{23} + 14540932 T^{24} - \right. \right. \\
 & \quad \left. \left. 8943912 T^{25} + 3844272 T^{26} - 1209056 T^{27} + 268992 T^{28} - 38016 T^{29} + 2560 T^{30} \right) \times^2 y^2 \right\} \}
 \end{aligned}$$

» True

» Knot [8, 5] $\rightarrow \left\{ 195.391, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-1 + 3T - 4T^2 + 5T^3 - 4T^4 + 3T^5 - T^6}{T^3}, \emptyset, \emptyset \right. \right.$

$$\left\{ 1, \frac{1}{T^{12}} \left(-1 + 9T - 38T^2 + 100T^3 - 168T^4 + 104T^5 + 420T^6 - 1941T^7 + 5082T^8 - 10255T^9 + \right. \right.$$

$$17294T^{10} - 25224T^{11} + 32378T^{12} - 36916T^{13} + 37548T^{14} - 34093T^{15} + 27566T^{16} -$$

$$19731T^{17} + 12378T^{18} - 6700T^{19} + 3052T^{20} - 1124T^{21} + 312T^{22} - 57T^{23} + 5T^{24} \left. \right) +$$

$$\frac{1}{T^{12}} a \left(-6 + 66T - 350T^2 + 1224T^3 - 3220T^4 + 6804T^5 - 11958T^6 + 17790T^7 - 22484T^8 + \right.$$

$$23838T^9 - 20254T^{10} + 11692T^{11} - 11692T^{13} + 20254T^{14} - 23838T^{15} + 22484T^{16} -$$

$$17790T^{17} + 11958T^{18} - 6804T^{19} + 3220T^{20} - 1224T^{21} + 350T^{22} - 66T^{23} + 6T^{24} \left. \right) +$$

$$\frac{1}{T^{12}} \left(-6 + 60T - 290T^2 + 934T^3 - 2286T^4 + 4518T^5 - 7440T^6 + 10350T^7 - 12134T^8 + \right.$$

$$11704T^9 - 8550T^{10} + 3142T^{11} + 3142T^{12} - 8550T^{13} + 11704T^{14} - 12134T^{15} +$$

$$10350T^{16} - 7440T^{17} + 4518T^{18} - 2286T^{19} + 934T^{20} - 290T^{21} + 60T^{22} - 6T^{23} \left. \right) \times y,$$

$$\frac{1}{T^{24}} a^2 \left(18 - 390T + 4138T^2 - 28800T^3 + 148386T^4 - 604454T^5 + 2025828T^6 - 5724566T^7 + 13820144T^8 - \right.$$

$$28562346T^9 + 49809136T^{10} - 69528806T^{11} + 62938926T^{12} + 22202588T^{13} - 273879406T^{14} +$$

$$815011398T^{15} - 1786797224T^{16} + 331323778T^{17} - 5451581826T^{18} + 8142585500T^{19} -$$

$$11180585702T^{20} + 14221973718T^{21} - 16839984616T^{22} + 18616651906T^{23} - 19246262652T^{24} +$$

$$18616651906T^{25} - 16839984616T^{26} + 14221973718T^{27} - 11180585702T^{28} + 8142585500T^{29} -$$

$$5451581826T^{30} + 331323778T^{31} - 1786797224T^{32} + 815011398T^{33} - 273879406T^{34} +$$

$$22202588T^{35} + 62938926T^{36} - 69528806T^{37} + 49809136T^{38} - 28562346T^{39} + 13820144T^{40} -$$

$$5724566T^{41} + 2025828T^{42} - 604454T^{43} + 148386T^{44} - 28800T^{45} + 4138T^{46} - 390T^{47} + 18T^{48} \left. \right) +$$

$$\frac{1}{2T^{24}} \left(1 - 15T + 98T^2 - 294T^3 - 447T^4 + 10345T^5 - 67834T^6 + 309775T^7 - 1138192T^8 + \right.$$

$$3565625T^9 - 9826186T^{10} + 24290189T^{11} - 54574405T^{12} + 112481868T^{13} - 214085758T^{14} +$$

$$378042907T^{15} - 621323596T^{16} + 952207849T^{17} - 1361671398T^{18} + 1815846460T^{19} -$$

$$2253363435T^{20} + 2591151331T^{21} - 2740114594T^{22} + 2628301647T^{23} - 2225111894T^{24} +$$

$$1557789363T^{25} - 712606302T^{26} - 182019677T^{27} + 986401977T^{28} - 1584579360T^{29} +$$

$$1911610518T^{30} - 1964350327T^{31} + 1793477828T^{32} - 1481625653T^{33} + 1116851662T^{34} -$$

$$770779856T^{35} + 487136783T^{36} - 281357443T^{37} + 147899562T^{38} - 70320835T^{39} + 29983200T^{40} -$$

$$11332293T^{41} + 3737978T^{42} - 1053439T^{43} + 246213T^{44} - 45690T^{45} + 6286T^{46} - 567T^{47} + 25T^{48} \left. \right) +$$

$$\frac{1}{T^{24}} a \left(6 - 114T + 1044T^2 - 6102T^3 + 25056T^4 - 72562T^5 + 122922T^6 + 96468T^7 - 1740552T^8 + \right.$$

$$8380884T^9 - 29053738T^{10} + 83295010T^{11} - 207916668T^{12} + 463833450T^{13} - 939348116T^{14} +$$

$$1744845678T^{15} - 2994197936T^{16} + 4771516866T^{17} - 7088222784T^{18} + 9842798410T^{19} -$$

$$12800468408T^{20} + 15608559222T^{21} - 17853738762T^{22} + 19151908048T^{23} - 19246262652T^{24} +$$

$$18081395764T^{25} - 15826230470T^{26} + 12835388214T^{27} - 9560702996T^{28} + 6442372590T^{29} -$$

$$3814940868T^{30} + 1854958690T^{31} - 579396512T^{32} - 114822882T^{33} + 391589304T^{34} -$$

$$419428274T^{35} + 333794520T^{36} - 222352622T^{37} + 128672010T^{38} - 65505576T^{39} + 29380840T^{40} -$$

$$11545600T^{41} + 3928734T^{42} - 1136346T^{43} + 271716T^{44} - 51498T^{45} + 7232T^{46} - 666T^{47} + 30T^{48} \left. \right) +$$

$$\frac{1}{T^{24}} a \left(36 - 732T + 7280T^2 - 47460T^3 + 228820T^4 - 870200T^5 + 2709108T^6 - 7040564T^7 + 15329388T^8 - \right.$$

$$27410688T^9 + 37121780T^{10} - 24577164T^{11} - 54220824T^{12} + 277138228T^{13} - 758897604T^{14} +$$

$$1639907352T^{15} - 3055877836T^{16} + 5089946924T^{17} - 7718675064T^{18} + 10771592012T^{19} -$$

$$13925786196T^{20} + 16748979984T^{21} - 18787789820T^{22} + 19678669108T^{23} - 19246262652T^{24} +$$

$$17554634704T^{25} - 14892179412T^{26} + 11694967452T^{27} - 8435385208T^{28} + 5513578988T^{29} -$$

$$3184488588T^{30} + 1536528632T^{31} - 517716612T^{32} - 9884556T^{33} + 211138792T^{34} -$$

$$232733052T^{35} + 180098676T^{36} - 114480448T^{37} + 62496492T^{38} - 29714004T^{39} + 12310900T^{40} -$$

$$\begin{aligned}
 & 4\,408\,568\,T^{41} + 1\,342\,548\,T^{42} - 338\,708\,T^{43} + 67\,952\,T^{44} - 10\,140\,T^{45} + 996\,T^{46} - 48\,T^{47} \Big) x y + \\
 \gg & \frac{1}{T^{24}} \left(-12 + 264\,T - 2830\,T^2 + 19\,868\,T^3 - 103\,462\,T^4 + 428\,430\,T^5 - 1\,474\,476\,T^6 + 4\,346\,558\,T^7 - \right. \\
 & 11\,214\,138\,T^8 + 25\,729\,092\,T^9 - 53\,133\,782\,T^{10} + 99\,690\,034\,T^{11} - 171\,165\,560\,T^{12} + 270\,465\,302\,T^{13} - \\
 & 395\,003\,408\,T^{14} + 534\,830\,872\,T^{15} - 672\,569\,840\,T^{16} + 785\,709\,248\,T^{17} - 850\,931\,710\,T^{18} + \\
 & 849\,281\,200\,T^{19} - 770\,601\,506\,T^{20} + 615\,983\,998\,T^{21} - 397\,770\,148\,T^{22} + 137\,485\,994\,T^{23} + \\
 & 137\,485\,994\,T^{24} - 397\,770\,148\,T^{25} + 615\,983\,998\,T^{26} - 770\,601\,506\,T^{27} + 849\,281\,200\,T^{28} - \\
 & 850\,931\,710\,T^{29} + 785\,709\,248\,T^{30} - 672\,569\,840\,T^{31} + 534\,830\,872\,T^{32} - 395\,003\,408\,T^{33} + \\
 & 270\,465\,302\,T^{34} - 171\,165\,560\,T^{35} + 99\,690\,034\,T^{36} - 53\,133\,782\,T^{37} + 25\,729\,092\,T^{38} - 11\,214\,138\,T^{39} + \\
 & \left. 4\,346\,558\,T^{40} - 1\,474\,476\,T^{41} + 428\,430\,T^{42} - 103\,462\,T^{43} + 19\,868\,T^{44} - 2830\,T^{45} + 264\,T^{46} - 12\,T^{47} \Big) x y + \right. \\
 & \frac{1}{T^{24}} \left(21 - 411\,T + 3944\,T^2 - 24\,909\,T^3 + 116\,973\,T^4 - 436\,214\,T^5 + 1\,343\,205\,T^6 - 3\,494\,661\,T^7 + \right. \\
 & 7\,766\,187\,T^8 - 14\,710\,608\,T^9 + 23\,189\,949\,T^{10} - 27\,979\,011\,T^{11} + 16\,649\,046\,T^{12} + 33\,148\,905\,T^{13} - \\
 & 154\,104\,357\,T^{14} + 385\,301\,634\,T^{15} - 762\,799\,983\,T^{16} + 1\,305\,808\,895\,T^{17} - 2\,002\,254\,618\,T^{18} + \\
 & 2\,799\,489\,687\,T^{19} - 3\,605\,698\,725\,T^{20} + 4\,304\,591\,124\,T^{21} - 4\,781\,015\,007\,T^{22} + 4\,950\,217\,933\,T^{23} - \\
 & 4\,781\,015\,007\,T^{24} + 4\,304\,591\,124\,T^{25} - 3\,605\,698\,725\,T^{26} + 2\,799\,489\,687\,T^{27} - 2\,002\,254\,618\,T^{28} + \\
 & 1\,305\,808\,895\,T^{29} - 762\,799\,983\,T^{30} + 385\,301\,634\,T^{31} - 154\,104\,357\,T^{32} + 33\,148\,905\,T^{33} + \\
 & 16\,649\,046\,T^{34} - 27\,979\,011\,T^{35} + 23\,189\,949\,T^{36} - 14\,710\,608\,T^{37} + 7\,766\,187\,T^{38} - 3\,494\,661\,T^{39} + \\
 & \left. 1\,343\,205\,T^{40} - 436\,214\,T^{41} + 116\,973\,T^{42} - 24\,909\,T^{43} + 3944\,T^{44} - 411\,T^{45} + 21\,T^{46} \Big) x^2 y^2 \Big] \Big\}
 \end{aligned}$$

» True

$$\begin{aligned}
 \gg & \text{Knot}[8, 6] \rightarrow \left\{ 632.047, \mathbb{E}_{\{\} \rightarrow \{\}} \left[\frac{-2 + 6\,T - 7\,T^2 + 6\,T^3 - 2\,T^4}{T^2}, 0, 0, \right. \right. \\
 & \left. \left. \left\{ 1, \frac{1}{T^8} \left(-52 + 576\,T - 2964\,T^2 + 9564\,T^3 - 21\,941\,T^4 + 38\,178\,T^5 - 52\,141\,T^6 + 56\,838\,T^7 - 49\,632\,T^8 + \right. \right. \right. \right. \\
 & \quad 34\,362\,T^9 - 18\,269\,T^{10} + 6858\,T^{11} - 1317\,T^{12} - 276\,T^{13} + 300\,T^{14} - 96\,T^{15} + 12\,T^{16} \Big) + \frac{1}{T^8} \\
 & \quad a \left(-64 + 672\,T - 3264\,T^2 + 9840\,T^3 - 20\,624\,T^4 + 31\,320\,T^5 - 33\,872\,T^6 + 22\,476\,T^7 - 22\,476\,T^9 + \right. \\
 & \quad \left. 33\,872\,T^{10} - 31\,320\,T^{11} + 20\,624\,T^{12} - 9840\,T^{13} + 3264\,T^{14} - 672\,T^{15} + 64\,T^{16} \Big) + \frac{1}{T^8} \right. \\
 & \quad \left(-64 + 608\,T - 2656\,T^2 + 7184\,T^3 - 13\,440\,T^4 + 17\,880\,T^5 - 15\,992\,T^6 + 6484\,T^7 + 6484\,T^8 - \right. \\
 & \quad \left. 15\,992\,T^9 + 17\,880\,T^{10} - 13\,440\,T^{11} + 7184\,T^{12} - 2656\,T^{13} + 608\,T^{14} - 64\,T^{15} \Big) x y, \right. \\
 & \quad \frac{1}{2\,T^{16}} \left(2720 - 59\,520\,T + 625\,280\,T^2 - 4\,210\,560\,T^3 + 20\,466\,944\,T^4 - 76\,635\,744\,T^5 + 230\,166\,160\,T^6 - \right. \\
 & \quad 569\,500\,944\,T^7 + 1\,181\,713\,858\,T^8 - 2\,078\,974\,320\,T^9 + 3\,115\,291\,064\,T^{10} - 3\,963\,780\,900\,T^{11} + \\
 & \quad 4\,214\,810\,611\,T^{12} - 3\,577\,777\,968\,T^{13} + 2\,073\,695\,083\,T^{14} - 80\,549\,334\,T^{15} - 1\,820\,478\,588\,T^{16} + \\
 & \quad 3\,112\,066\,098\,T^{17} - 3\,558\,232\,477\,T^{18} + 3\,253\,715\,880\,T^{19} - 2\,507\,672\,077\,T^{20} + \\
 & \quad 1\,661\,644\,980\,T^{21} - 952\,561\,768\,T^{22} + 471\,532\,512\,T^{23} - 199\,808\,222\,T^{24} + 71\,295\,024\,T^{25} - \\
 & \quad \left. 20\,833\,520\,T^{26} + 4\,746\,144\,T^{27} - 759\,808\,T^{28} + 59\,904\,T^{29} + 5248\,T^{30} - 1920\,T^{31} + 160\,T^{32} \Big) + \right. \\
 & \quad \frac{1}{T^{16}} a \left(3328 - 70\,272\,T + 709\,888\,T^2 - 4\,570\,560\,T^3 + 21\,041\,280\,T^4 - 73\,445\,760\,T^5 + 200\,178\,496\,T^6 - \right. \\
 & \quad 428\,330\,592\,T^7 + 697\,478\,608\,T^8 - 746\,227\,656\,T^9 + 43\,186\,032\,T^{10} + 2\,110\,190\,436\,T^{11} - \\
 & \quad 6\,239\,578\,080\,T^{12} + 12\,240\,091\,836\,T^{13} - 19\,102\,065\,012\,T^{14} + 25\,106\,644\,872\,T^{15} - 28\,500\,387\,408\,T^{16} + \\
 & \quad 28\,299\,260\,304\,T^{17} - 24\,733\,992\,572\,T^{18} + 19\,071\,585\,684\,T^{19} - 12\,962\,060\,768\,T^{20} + \\
 & \quad 7\,735\,616\,316\,T^{21} - 4\,024\,666\,800\,T^{22} + 1\,804\,279\,176\,T^{23} - 684\,043\,472\,T^{24} + 212\,465\,376\,T^{25} - \\
 & \quad 50\,821\,184\,T^{26} + 7\,936\,128\,T^{27} - 185\,472\,T^{28} - 300\,096\,T^{29} + 89\,856\,T^{30} - 12\,672\,T^{31} + 768\,T^{32} \Big) + \\
 & \quad \frac{1}{T^{16}} a^2 \left(2048 - 41\,472\,T + 399\,872\,T^2 - 2\,435\,328\,T^3 + 10\,427\,904\,T^4 - 32\,754\,816\,T^5 + 74\,678\,656\,T^6 - \right. \\
 & \quad 107\,932\,608\,T^7 + 6\,717\,568\,T^8 + 529\,025\,760\,T^9 - 1\,990\,740\,384\,T^{10} + 4\,922\,903\,376\,T^{11} - \\
 & \quad \left. 9\,600\,819\,424\,T^{12} + 15\,655\,838\,760\,T^{13} - 21\,918\,028\,792\,T^{14} + 26\,702\,952\,588\,T^{15} - 28\,500\,387\,408\,T^{16} + \right.
 \end{aligned}$$

$$\begin{aligned}
 & 26\,702\,952\,588\,T^{17} - 21\,918\,028\,792\,T^{18} + 15\,655\,838\,760\,T^{19} - 9\,600\,819\,424\,T^{20} + 4\,922\,903\,376\,T^{21} - \\
 & 1\,990\,740\,384\,T^{22} + 529\,025\,760\,T^{23} + 6\,717\,568\,T^{24} - 107\,932\,608\,T^{25} + 74\,678\,656\,T^{26} - \\
 & 32\,754\,816\,T^{27} + 10\,427\,904\,T^{28} - 2\,435\,328\,T^{29} + 399\,872\,T^{30} - 41\,472\,T^{31} + 2048\,T^{32}) + \\
 & \frac{1}{T^{16}} a \left(4096 - 76\,800\,T + 678\,912\,T^2 - 3\,734\,016\,T^3 + 14\,045\,184\,T^4 - 36\,390\,144\,T^5 + 55\,481\,600\,T^6 + \right. \\
 & 17\,294\,976\,T^7 - 426\,344\,448\,T^8 + 1\,627\,635\,648\,T^9 - 4\,212\,068\,544\,T^{10} + 8\,617\,913\,376\,T^{11} - \\
 & 14\,703\,348\,224\,T^{12} + 21\,444\,935\,952\,T^{13} - 27\,078\,204\,816\,T^{14} + 29\,768\,251\,320\,T^{15} - \\
 & 28\,500\,387\,408\,T^{16} + 23\,637\,653\,856\,T^{17} - 16\,757\,852\,768\,T^{18} + 9\,866\,741\,568\,T^{19} - 4\,498\,290\,624\,T^{20} + \\
 & 1\,227\,893\,376\,T^{21} + 230\,587\,776\,T^{22} - 569\,584\,128\,T^{23} + 439\,779\,584\,T^{24} - 233\,160\,192\,T^{25} + \\
 & \left. 93\,875\,712\,T^{26} - 29\,119\,488\,T^{27} + 6\,810\,624\,T^{28} - 1\,136\,640\,T^{29} + 120\,832\,T^{30} - 6144\,T^{31} \right) x y + \\
 & \frac{1}{T^{16}} \left(1280 - 27\,520\,T + 282\,496\,T^2 - 1\,852\,736\,T^3 + 8\,760\,640\,T^4 - 31\,930\,304\,T^5 + 93\,569\,536\,T^6 - \right. \\
 & 226\,828\,448\,T^7 + 463\,932\,592\,T^8 - 811\,320\,824\,T^9 + 1\,222\,605\,592\,T^{10} - 1\,590\,107\,348\,T^{11} + \\
 & 1\,771\,133\,996\,T^{12} - 1\,644\,612\,928\,T^{13} + 1\,171\,350\,852\,T^{14} - 424\,956\,864\,T^{15} - 424\,956\,864\,T^{16} + \\
 & 1\,171\,350\,852\,T^{17} - 1\,644\,612\,928\,T^{18} + 1\,771\,133\,996\,T^{19} - 1\,590\,107\,348\,T^{20} + \\
 & 1\,222\,605\,592\,T^{21} - 811\,320\,824\,T^{22} + 463\,932\,592\,T^{23} - 226\,828\,448\,T^{24} + 93\,569\,536\,T^{25} - \\
 & \left. 31\,930\,304\,T^{26} + 8\,760\,640\,T^{27} - 1\,852\,736\,T^{28} + 282\,496\,T^{29} - 27\,520\,T^{30} + 1280\,T^{31} \right) x y + \\
 & \frac{1}{T^{16}} \left(2560 - 46\,848\,T + 407\,040\,T^2 - 2\,229\,120\,T^3 + 8\,562\,048\,T^4 - 24\,004\,416\,T^5 + 48\,156\,032\,T^6 - 57\,465\,120\,T^7 - \right. \\
 & 21\,655\,200\,T^8 + 327\,606\,768\,T^9 - 1\,032\,383\,712\,T^{10} + 2\,246\,667\,288\,T^{11} - 3\,895\,855\,160\,T^{12} + 5\,654\,842\,020\,T^{13} - \\
 & 7\,024\,122\,648\,T^{14} + 7\,543\,037\,034\,T^{15} - 7\,024\,122\,648\,T^{16} + 5\,654\,842\,020\,T^{17} - 3\,895\,855\,160\,T^{18} + \\
 & 2\,246\,667\,288\,T^{19} - 1\,032\,383\,712\,T^{20} + 327\,606\,768\,T^{21} - 21\,655\,200\,T^{22} - 57\,465\,120\,T^{23} + 48\,156\,032\,T^{24} - \\
 & \left. 24\,004\,416\,T^{25} + 8\,562\,048\,T^{26} - 2\,229\,120\,T^{27} + 407\,040\,T^{28} - 46\,848\,T^{29} + 2560\,T^{30} \right) x^2 y^2 \Bigg\}
 \end{aligned}$$

»

» True

» Knot [8, 7] → {2040.16,

$$\begin{aligned}
 & \mathbb{E}_{\{\} \rightarrow \{\}} \left[\frac{1 - 3T + 5T^2 - 5T^3 + 5T^4 - 3T^5 + T^6}{T^3}, 0, 0, \left\{ 1, \frac{1}{T^{12}} \left(-2 + 21T - 111T^2 + 389T^3 - 1013T^4 + 2074T^5 - \right. \right. \right. \\
 & 3409T^6 + 4415T^7 - 4043T^8 + 1137T^9 + 4926T^{10} - 13\,626T^{11} + 23\,136T^{12} - 30\,866T^{13} + 34\,540T^{14} - \\
 & \left. \left. 33\,225T^{15} + 27\,711T^{16} - 20\,035T^{17} + 12\,467T^{18} - 6\,578T^{19} + 2\,871T^{20} - 997T^{21} + 259T^{22} - 45T^{23} + 4T^{24} \right) + \right. \\
 & \frac{1}{T^{12}} a \left(-6 + 66T - 370T^2 + 1386T^3 - 3884T^4 + 8652T^5 - 15\,876T^6 + 24\,450T^7 - 31\,754T^8 + \right. \\
 & 34\,362T^9 - 29\,614T^{10} + 17\,240T^{11} - 17\,240T^{13} + 29\,614T^{14} - 34\,362T^{15} + 31\,754T^{16} - \\
 & \left. 24\,450T^{17} + 15\,876T^{18} - 8652T^{19} + 3884T^{20} - 1386T^{21} + 370T^{22} - 66T^{23} + 6T^{24} \right) + \\
 & \frac{1}{T^{12}} \left(-6 + 60T - 310T^2 + 1076T^3 - 2808T^4 + 5844T^5 - 10\,032T^6 + 14\,418T^7 - 17\,336T^8 + \right. \\
 & 17\,026T^9 - 12\,588T^{10} + 4652T^{11} + 4652T^{12} - 12\,588T^{13} + 17\,026T^{14} - 17\,336T^{15} + \\
 & \left. 14\,418T^{16} - 10\,032T^{17} + 5844T^{18} - 2808T^{19} + 1076T^{20} - 310T^{21} + 60T^{22} - 6T^{23} \right) x y, \\
 & \frac{1}{2T^{24}} \left(4 - 81T + 809T^2 - 5287T^3 + 25\,245T^4 - 92\,707T^5 + 265\,466T^6 - 570\,408T^7 + 731\,540T^8 + \right. \\
 & 623\,192T^9 - 7\,736\,246T^{10} + 30\,948\,506T^{11} - 91\,510\,832T^{12} + 227\,231\,234T^{13} - 496\,836\,902T^{14} + \\
 & 979\,508\,501T^{15} - 1\,765\,463\,637T^{16} + 2\,934\,796\,161T^{17} - 4\,525\,655\,813T^{18} + 6\,498\,732\,643T^{19} - \\
 & 8\,710\,734\,776T^{20} + 10\,911\,791\,446T^{21} - 12\,777\,511\,536T^{22} + 13\,975\,263\,330T^{23} - 14\,249\,443\,424T^{24} + \\
 & 13\,498\,652\,386T^{25} - 11\,815\,655\,024T^{26} + 9\,471\,856\,942T^{27} - 6\,848\,422\,836T^{28} + 4\,337\,172\,079T^{29} - \\
 & 2\,245\,952\,201T^{30} + 739\,698\,821T^{31} + 168\,061\,879T^{32} - 579\,369\,583T^{33} + 652\,985\,506T^{34} - \\
 & 547\,514\,690T^{35} + 384\,136\,912T^{36} - 234\,131\,614T^{37} + 125\,678\,938T^{38} - 59\,609\,824T^{39} + 24\,912\,212T^{40} - \\
 & \left. 9\,105\,668T^{41} + 2\,876\,042T^{42} - 771\,335T^{43} + 171\,257T^{44} - 30\,307T^{45} + 4021T^{46} - 357T^{47} + 16T^{48} \right) + \\
 & \frac{1}{T^{24}} a^2 \left(18 - 390T + 4250T^2 - 30\,906T^3 + 168\,070T^4 - 726\,346T^5 + 2\,587\,590T^6 - 7\,772\,860T^7 + 19\,936\,584T^8 - \right. \\
 & \left. 43\,779\,960T^9 + 81\,372\,672T^{10} - 122\,694\,180T^{11} + 128\,506\,680T^{12} - 7\,102\,400T^{13} - 407\,437\,470T^{14} + \right.
 \end{aligned}$$

$$1\ 361\ 264\ 166\ T^{15} - 3\ 154\ 240\ 990\ T^{16} + 6\ 070\ 179\ 110\ T^{17} - 10\ 269\ 649\ 746\ T^{18} + 15\ 673\ 635\ 330\ T^{19} - 21\ 884\ 039\ 242\ T^{20} + 28\ 187\ 903\ 700\ T^{21} - 33\ 669\ 608\ 080\ T^{22} + 37\ 414\ 586\ 356\ T^{23} - 38\ 746\ 123\ 920\ T^{24} + 37\ 414\ 586\ 356\ T^{25} - 33\ 669\ 608\ 080\ T^{26} + 28\ 187\ 903\ 700\ T^{27} - 21\ 884\ 039\ 242\ T^{28} + 15\ 673\ 635\ 330\ T^{29} - 10\ 269\ 649\ 746\ T^{30} + 6\ 070\ 179\ 110\ T^{31} - 3\ 154\ 240\ 990\ T^{32} + 1\ 361\ 264\ 166\ T^{33} - 407\ 437\ 470\ T^{34} - 7\ 102\ 400\ T^{35} + 128\ 506\ 680\ T^{36} - 122\ 694\ 180\ T^{37} + 81\ 372\ 672\ T^{38} - 43\ 779\ 960\ T^{39} + 19\ 936\ 584\ T^{40} - 7\ 772\ 860\ T^{41} + 2\ 587\ 590\ T^{42} - 726\ 346\ T^{43} + 168\ 070\ T^{44} - 30\ 906\ T^{45} + 4250\ T^{46} - 390\ T^{47} + 18\ T^{48}) +$$

$$\frac{1}{T^{24}} a (12 - 252 T + 2644 T^2 - 18\ 396 T^3 + 95\ 064 T^4 - 387\ 032 T^5 + 1\ 282\ 302 T^6 - 3\ 505\ 230 T^7 + 7\ 846\ 248 T^8 -$$

$$13\ 663\ 452 T^9 + 14\ 665\ 080 T^{10} + 9\ 845\ 880 T^{11} - 109\ 317\ 192 T^{12} + 380\ 270\ 562 T^{13} - 982\ 348\ 674 T^{14} + 2\ 140\ 703\ 208 T^{15} - 4\ 121\ 003\ 748 T^{16} + 7\ 167\ 727\ 780 T^{17} - 11\ 409\ 501\ 552 T^{18} + 16\ 754\ 415\ 612 T^{19} - 22\ 815\ 195\ 212 T^{20} + 28\ 907\ 870\ 952 T^{21} - 34\ 150\ 536\ 336 T^{22} + 37\ 652\ 891\ 828 T^{23} - 38\ 746\ 123\ 920 T^{24} + 37\ 176\ 280\ 884 T^{25} - 33\ 188\ 679\ 824 T^{26} + 27\ 467\ 936\ 448 T^{27} - 20\ 952\ 883\ 272 T^{28} + 14\ 592\ 855\ 048 T^{29} - 9\ 129\ 797\ 940 T^{30} + 4\ 972\ 630\ 440 T^{31} - 2\ 187\ 478\ 232 T^{32} + 581\ 825\ 124 T^{33} + 167\ 473\ 734 T^{34} - 394\ 475\ 362 T^{35} + 366\ 330\ 552 T^{36} - 255\ 234\ 240 T^{37} + 148\ 080\ 264 T^{38} - 73\ 896\ 468 T^{39} + 32\ 026\ 920 T^{40} - 12\ 040\ 490 T^{41} + 3\ 892\ 878 T^{42} - 1\ 065\ 660 T^{43} + 241\ 076 T^{44} - 43\ 416 T^{45} + 5856 T^{46} - 528 T^{47} + 24 T^{48}) +$$

$$\frac{1}{T^{24}} a (36 - 732 T + 7504 T^2 - 51\ 360 T^3 + 262\ 612 T^4 - 1\ 064\ 148 T^5 + 3\ 535\ 560 T^6 - 9\ 809\ 276 T^7 +$$

$$22\ 825\ 016 T^8 - 43\ 851\ 516 T^9 + 65\ 266\ 216 T^{10} - 56\ 151\ 748 T^{11} - 59\ 361\ 672 T^{12} + 425\ 720\ 028 T^{13} - 1\ 269\ 154\ 452 T^{14} + 2\ 883\ 131\ 640 T^{15} - 5\ 571\ 210\ 536 T^{16} + 9\ 546\ 048\ 084 T^{17} - 14\ 805\ 946\ 548 T^{18} + 21\ 032\ 814\ 216 T^{19} - 27\ 564\ 204\ 464 T^{20} + 33\ 476\ 747\ 952 T^{21} - 37\ 779\ 320\ 256 T^{22} + 39\ 666\ 180\ 440 T^{23} - 38\ 746\ 123\ 920 T^{24} + 35\ 162\ 992\ 272 T^{25} - 29\ 559\ 895\ 904 T^{26} + 22\ 899\ 059\ 448 T^{27} - 16\ 203\ 874\ 020 T^{28} + 10\ 314\ 456\ 444 T^{29} - 5\ 733\ 352\ 944 T^{30} + 2\ 594\ 310\ 136 T^{31} - 737\ 271\ 444 T^{32} - 160\ 603\ 308 T^{33} + 454\ 279\ 512 T^{34} - 439\ 924\ 828 T^{35} + 316\ 375\ 032 T^{36} - 189\ 236\ 612 T^{37} + 97\ 479\ 128 T^{38} - 43\ 708\ 404 T^{39} + 17\ 048\ 152 T^{40} - 5\ 736\ 444 T^{41} + 1\ 639\ 620 T^{42} - 388\ 544 T^{43} + 73\ 528 T^{44} - 10\ 452 T^{45} + 996 T^{46} - 48 T^{47}) x y +$$

$$\gg \frac{1}{T^{24}} (-6 + 132 T - 1474 T^2 + 11\ 036 T^3 - 61\ 970 T^4 + 277\ 344 T^5 - 1\ 027\ 944 T^6 + 3\ 239\ 686 T^7 -$$

$$8\ 850\ 650 T^8 + 21\ 265\ 858 T^9 - 45\ 441\ 734 T^{10} + 87\ 098\ 326 T^{11} - 150\ 725\ 546 T^{12} + 236\ 647\ 416 T^{13} - 338\ 263\ 788 T^{14} + 441\ 175\ 254 T^{15} - 525\ 587\ 504 T^{16} + 571\ 961\ 166 T^{17} - 567\ 890\ 640 T^{18} + 512\ 889\ 642 T^{19} - 418\ 266\ 328 T^{20} + 301\ 700\ 924 T^{21} - 179\ 227\ 332 T^{22} + 59\ 078\ 140 T^{23} + 59\ 078\ 140 T^{24} - 179\ 227\ 332 T^{25} + 301\ 700\ 924 T^{26} - 418\ 266\ 328 T^{27} + 512\ 889\ 642 T^{28} - 567\ 890\ 640 T^{29} + 571\ 961\ 166 T^{30} - 525\ 587\ 504 T^{31} + 441\ 175\ 254 T^{32} - 338\ 263\ 788 T^{33} + 236\ 647\ 416 T^{34} - 150\ 725\ 546 T^{35} + 87\ 098\ 326 T^{36} - 45\ 441\ 734 T^{37} + 21\ 265\ 858 T^{38} - 8\ 850\ 650 T^{39} + 3\ 239\ 686 T^{40} - 1\ 027\ 944 T^{41} + 277\ 344 T^{42} - 61\ 970 T^{43} + 11\ 036 T^{44} - 1474 T^{45} + 132 T^{46} - 6 T^{47}) x y +$$

$$\frac{1}{T^{24}} (21 - 411 T + 4078 T^2 - 27\ 144 T^3 + 135\ 645 T^4 - 540\ 297 T^5 + 1\ 777\ 704 T^6 - 4\ 936\ 653 T^7 +$$

$$11\ 696\ 702 T^8 - 23\ 635\ 959 T^9 + 39\ 989\ 748 T^{10} - 53\ 141\ 947 T^{11} + 41\ 998\ 842 T^{12} + 34\ 858\ 971 T^{13} - 242\ 278\ 815 T^{14} + 662\ 821\ 956 T^{15} - 1\ 378\ 558\ 212 T^{16} + 2\ 441\ 292\ 045 T^{17} - 3\ 838\ 808\ 703 T^{18} + 5\ 470\ 363\ 356 T^{19} - 7\ 145\ 452\ 622 T^{20} + 8\ 613\ 708\ 342 T^{21} - 9\ 621\ 869\ 790 T^{22} + 9\ 981\ 206\ 300 T^{23} - 9\ 621\ 869\ 790 T^{24} + 8\ 613\ 708\ 342 T^{25} - 7\ 145\ 452\ 622 T^{26} + 5\ 470\ 363\ 356 T^{27} - 3\ 838\ 808\ 703 T^{28} + 2\ 441\ 292\ 045 T^{29} - 1\ 378\ 558\ 212 T^{30} + 662\ 821\ 956 T^{31} - 242\ 278\ 815 T^{32} + 34\ 858\ 971 T^{33} + 41\ 998\ 842 T^{34} - 53\ 141\ 947 T^{35} + 39\ 989\ 748 T^{36} - 23\ 635\ 959 T^{37} + 11\ 696\ 702 T^{38} - 4\ 936\ 653 T^{39} + 1\ 777\ 704 T^{40} - 540\ 297 T^{41} + 135\ 645 T^{42} - 27\ 144 T^{43} + 4078 T^{44} - 411 T^{45} + 21 T^{46}) x^2 y^2 \}}]$$

» True

$$\gg \text{Knot}[8, 8] \rightarrow \left\{ 1720.83, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{2 - 6 T + 9 T^2 - 6 T^3 + 2 T^4}{T^2}, \emptyset, \emptyset, \right. \right.$$

$$\left. \left. \left\{ 1, \frac{1}{T^8} (-28 + 288 T - 1428 T^2 + 4396 T^3 - 9063 T^4 + 12\ 286 T^5 - 8535 T^6 - 5110 T^7 + 23\ 952 T^8 - 37\ 690 T^9 + 38\ 985 T^{10} - 29\ 402 T^{11} + 16\ 553 T^{12} - 6884 T^{13} + 2028 T^{14} - 384 T^{15} + 36 T^{16}) + \right. \right. \right.$$

$$\begin{aligned}
 & \frac{1}{T^8} a \left(-64 + 672 T - 3456 T^2 + 11\,280 T^3 - 25\,616 T^4 + 41\,688 T^5 - 47\,520 T^6 + 32\,580 T^7 - \right. \\
 & \quad \left. 32\,580 T^9 + 47\,520 T^{10} - 41\,688 T^{11} + 25\,616 T^{12} - 11\,280 T^{13} + 3456 T^{14} - 672 T^{15} + 64 T^{16} \right) + \\
 & \frac{1}{T^8} \left(-64 + 608 T - 2848 T^2 + 8432 T^3 - 17\,184 T^4 + 24\,504 T^5 - 23\,016 T^6 + 9564 T^7 + 9564 T^8 - \right. \\
 & \quad \left. 23\,016 T^9 + 24\,504 T^{10} - 17\,184 T^{11} + 8432 T^{12} - 2848 T^{13} + 608 T^{14} - 64 T^{15} \right) \times y, \\
 & \frac{1}{2 T^{16}} \left(800 - 15\,744 T + 148\,096 T^2 - 868\,736 T^3 + 3\,433\,696 T^4 - 8\,808\,544 T^5 + 9\,152\,272 T^6 + \right. \\
 & \quad 39\,169\,616 T^7 - 267\,680\,678 T^8 + 951\,583\,072 T^9 - 2\,501\,256\,336 T^{10} + 5\,304\,613\,876 T^{11} - \\
 & \quad 9\,414\,255\,323 T^{12} + 14\,241\,902\,888 T^{13} - 18\,541\,056\,583 T^{14} + 20\,848\,428\,574 T^{15} - 20\,216\,082\,340 T^{16} + \\
 & \quad 16\,768\,133\,126 T^{17} - 11\,670\,240\,415 T^{18} + 6\,515\,078\,960 T^{19} - 2\,550\,426\,523 T^{20} + 240\,181\,996 T^{21} + \\
 & \quad 664\,138\,992 T^{22} - 736\,633\,136 T^{23} + 501\,081\,722 T^{24} - 258\,485\,872 T^{25} + 106\,310\,032 T^{26} - \\
 & \quad \left. 35\,180\,640 T^{27} + 9\,263\,584 T^{28} - 1\,884\,672 T^{29} + 280\,192 T^{30} - 27\,264 T^{31} + 1312 T^{32} \right) + \\
 & \frac{1}{T^{16}} a^2 \left(2048 - 41\,472 T + 410\,112 T^2 - 2\,608\,896 T^3 + 11\,819\,520 T^4 - 39\,642\,240 T^5 + 97\,319\,808 T^6 - \right. \\
 & \quad 154\,481\,472 T^7 + 33\,492\,608 T^8 + 749\,134\,944 T^9 - 3\,078\,510\,624 T^{10} + 8\,061\,913\,008 T^{11} - \\
 & \quad 16\,431\,637\,280 T^{12} + 27\,714\,066\,408 T^{13} - 39\,742\,203\,672 T^{14} + 49\,120\,878\,468 T^{15} - 52\,679\,822\,544 T^{16} + \\
 & \quad 49\,120\,878\,468 T^{17} - 39\,742\,203\,672 T^{18} + 27\,714\,066\,408 T^{19} - 16\,431\,637\,280 T^{20} + 8\,061\,913\,008 T^{21} - \\
 & \quad 3\,078\,510\,624 T^{22} + 749\,134\,944 T^{23} + 33\,492\,608 T^{24} - 154\,481\,472 T^{25} + 97\,319\,808 T^{26} - \\
 & \quad \left. 39\,642\,240 T^{27} + 11\,819\,520 T^{28} - 2\,608\,896 T^{29} + 410\,112 T^{30} - 41\,472 T^{31} + 2048 T^{32} \right) + \\
 & \frac{1}{T^{16}} a \left(1792 - 35\,712 T + 344\,064 T^2 - 2\,100\,928 T^3 + 8\,904\,576 T^4 - 26\,456\,192 T^5 + 48\,740\,928 T^6 - \right. \\
 & \quad 5\,653\,728 T^7 - 350\,888\,592 T^8 + 1\,593\,243\,048 T^9 - 4\,661\,208\,288 T^{10} + 10\,594\,128\,948 T^{11} - \\
 & \quad 19\,863\,551\,680 T^{12} + 31\,577\,478\,372 T^{13} - 43\,177\,611\,756 T^{14} + 51\,161\,026\,192 T^{15} - 52\,679\,822\,544 T^{16} + \\
 & \quad 47\,080\,730\,744 T^{17} - 36\,306\,795\,588 T^{18} + 23\,850\,654\,444 T^{19} - 12\,999\,722\,880 T^{20} + 5\,529\,697\,068 T^{21} - \\
 & \quad 1\,495\,812\,960 T^{22} - 94\,973\,160 T^{23} + 417\,873\,808 T^{24} - 303\,309\,216 T^{25} + 145\,898\,688 T^{26} - \\
 & \quad \left. 52\,828\,288 T^{27} + 14\,734\,464 T^{28} - 3\,116\,864 T^{29} + 476\,160 T^{30} - 47\,232 T^{31} + 2304 T^{32} \right) + \\
 & \frac{1}{T^{16}} a \left(4096 - 76\,800 T + 699\,392 T^2 - 4\,046\,336 T^3 + 16\,250\,880 T^4 - 45\,558\,016 T^5 + 77\,439\,232 T^6 + \right. \\
 & \quad 7\,136\,640 T^7 - 586\,970\,112 T^8 + 2\,456\,854\,464 T^9 - 6\,777\,150\,912 T^{10} + 14\,582\,214\,240 T^{11} - \\
 & \quad 25\,876\,472\,704 T^{12} + 38\,838\,548\,688 T^{13} - 49\,928\,597\,072 T^{14} + 55\,270\,834\,760 T^{15} - \\
 & \quad 52\,679\,822\,544 T^{16} + 42\,970\,922\,176 T^{17} - 29\,555\,810\,272 T^{18} + 16\,589\,584\,128 T^{19} - 6\,986\,801\,856 T^{20} + \\
 & \quad 1\,541\,611\,776 T^{21} + 620\,129\,664 T^{22} - 958\,584\,576 T^{23} + 653\,955\,328 T^{24} - 316\,099\,584 T^{25} + \\
 & \quad 117\,200\,384 T^{26} - 33\,726\,464 T^{27} + 7\,388\,160 T^{28} - 1\,171\,456 T^{29} + 120\,832 T^{30} - 6144 T^{31} \right) \times y + \\
 & \frac{1}{T^{16}} \left(-256 + 5504 T - 60\,544 T^2 + 447\,424 T^3 - 2\,467\,520 T^4 + 10\,718\,528 T^5 - 37\,860\,352 T^6 + \right. \\
 & \quad 110\,967\,392 T^7 - 273\,413\,808 T^8 + 570\,694\,296 T^9 - 1\,012\,003\,368 T^{10} + 1\,520\,212\,572 T^{11} - \\
 & \quad 1\,911\,701\,828 T^{12} + 1\,951\,710\,136 T^{13} - 1\,483\,697\,948 T^{14} + 556\,449\,776 T^{15} + 556\,449\,776 T^{16} - \\
 & \quad 1\,483\,697\,948 T^{17} + 1\,951\,710\,136 T^{18} - 1\,911\,701\,828 T^{19} + 1\,520\,212\,572 T^{20} - \\
 & \quad 1\,012\,003\,368 T^{21} + 570\,694\,296 T^{22} - 273\,413\,808 T^{23} + 110\,967\,392 T^{24} - 37\,860\,352 T^{25} + \\
 & \quad \left. 10\,718\,528 T^{26} - 2\,467\,520 T^{27} + 447\,424 T^{28} - 60\,544 T^{29} + 5504 T^{30} - 256 T^{31} \right) \times y + \\
 & \frac{1}{T^{16}} \left(2560 - 46\,848 T + 420\,864 T^2 - 2\,437\,760 T^3 + 10\,056\,576 T^4 - 30\,633\,024 T^5 + 67\,751\,680 T^6 - \right. \\
 & \quad 93\,952\,992 T^7 - 1\,049\,376 T^8 + 458\,131\,824 T^9 - 1\,621\,558\,848 T^{10} + 3\,770\,695\,176 T^{11} - \\
 & \quad 6\,845\,819\,032 T^{12} + 10\,252\,770\,708 T^{13} - 12\,972\,109\,104 T^{14} + 14\,015\,555\,222 T^{15} - \\
 & \quad 12\,972\,109\,104 T^{16} + 10\,252\,770\,708 T^{17} - 6\,845\,819\,032 T^{18} + 3\,770\,695\,176 T^{19} - \\
 & \quad 1\,621\,558\,848 T^{20} + 458\,131\,824 T^{21} - 1\,049\,376 T^{22} - 93\,952\,992 T^{23} + 67\,751\,680 T^{24} - \\
 & \quad \left. 30\,633\,024 T^{25} + 10\,056\,576 T^{26} - 2\,437\,760 T^{27} + 420\,864 T^{28} - 46\,848 T^{29} + 2560 T^{30} \right) \times y^2 \} \}
 \end{aligned}$$

» True

Knot [8, 9] →

$$\left\{ 396.734, \mathbb{E}_{\{\} \rightarrow \{\emptyset\}} \left[\frac{-1 + 3T - 5T^2 + 7T^3 - 5T^4 + 3T^5 - T^6}{T^3}, 0, 0, \left\{ 1, \frac{1}{T^{12}} \left(-3 + 33T - 185T^2 + 711T^3 - 2086T^4 + 4914T^5 - 9558T^6 + 15555T^7 - 21205T^8 + 23877T^9 - 21191T^{10} + 12560T^{11} - 12560T^{13} + 21191T^{14} - 23877T^{15} + 21205T^{16} - 15555T^{17} + 9558T^{18} - 4914T^{19} + 2086T^{20} - 711T^{21} + 185T^{22} - 33T^{23} + 3T^{24} \right) + \right. \right.$$

$$\frac{1}{T^{12}} a \left(-6 + 66T - 370T^2 + 1422T^3 - 4172T^4 + 9828T^5 - 19116T^6 + 31110T^7 - 42410T^8 + 47754T^9 - 42382T^{10} + 25120T^{11} - 25120T^{13} + 42382T^{14} - 47754T^{15} + 42410T^{16} - 31110T^{17} + 19116T^{18} - 9828T^{19} + 4172T^{20} - 1422T^{21} + 370T^{22} - 66T^{23} + 6T^{24} \right) +$$

$$\frac{1}{T^{12}} \left(-6 + 60T - 310T^2 + 1112T^3 - 3060T^4 + 6768T^5 - 12348T^6 + 18762T^7 - 23648T^8 + 24106T^9 - 18276T^{10} + 6844T^{11} + 6844T^{12} - 18276T^{13} + 24106T^{14} - 23648T^{15} + 18762T^{16} - 12348T^{17} + 6768T^{18} - 3060T^{19} + 1112T^{20} - 310T^{21} + 60T^{22} - 6T^{23} \right) \times y,$$

$$\frac{1}{2T^{24}} \left(9 - 195T + 2123T^2 - 15495T^3 + 85151T^4 - 374561T^5 + 1367229T^6 - 4232186T^7 + 11238138T^8 - 25646376T^9 + 49709990T^{10} - 78543394T^{11} + 87548190T^{12} - 13042248T^{13} - 269426525T^{14} + 957813443T^{15} - 2310951211T^{16} + 4596109057T^{17} - 7995353139T^{18} + 12491812245T^{19} - 17779229917T^{20} + 23245819318T^{21} - 28065596556T^{22} + 31388894142T^{23} - 32575974464T^{24} + 31388894142T^{25} - 28065596556T^{26} + 23245819318T^{27} - 17779229917T^{28} + 12491812245T^{29} - 7995353139T^{30} + 4596109057T^{31} - 2310951211T^{32} + 957813443T^{33} - 269426525T^{34} - 13042248T^{35} + 87548190T^{36} - 78543394T^{37} + 49709990T^{38} - 25646376T^{39} + 11238138T^{40} - 4232186T^{41} + 1367229T^{42} - 374561T^{43} + 85151T^{44} - 15495T^{45} + 2123T^{46} - 195T^{47} + 9T^{48} \right) +$$

$$\frac{1}{T^{24}} a \left(18 - 390T + 4250T^2 - 31086T^3 + 171406T^4 - 757346T^5 + 2779398T^6 - 8656724T^7 + 23145504T^8 - 53221968T^9 + 104043312T^{10} - 166119108T^{11} + 188404560T^{12} - 35960560T^{13} - 558778014T^{14} + 2026835910T^{15} - 4938944758T^{16} + 9893335906T^{17} - 17309218914T^{18} + 27170673930T^{19} - 38817771178T^{20} + 50901944364T^{21} - 61584533152T^{22} + 68963363324T^{23} - 71601417360T^{24} + 68963363324T^{25} - 61584533152T^{26} + 50901944364T^{27} - 38817771178T^{28} + 27170673930T^{29} - 17309218914T^{30} + 9893335906T^{31} - 4938944758T^{32} + 2026835910T^{33} - 558778014T^{34} - 35960560T^{35} + 188404560T^{36} - 166119108T^{37} + 104043312T^{38} - 53221968T^{39} + 23145504T^{40} - 8656724T^{41} + 2779398T^{42} - 757346T^{43} + 171406T^{44} - 31086T^{45} + 4250T^{46} - 390T^{47} + 18T^{48} \right) +$$

$$\frac{1}{T^{24}} a^2 \left(18 - 390T + 4250T^2 - 31086T^3 + 171406T^4 - 757346T^5 + 2779398T^6 - 8656724T^7 + 23145504T^8 - 53221968T^9 + 104043312T^{10} - 166119108T^{11} + 188404560T^{12} - 35960560T^{13} - 558778014T^{14} + 2026835910T^{15} - 4938944758T^{16} + 9893335906T^{17} - 17309218914T^{18} + 27170673930T^{19} - 38817771178T^{20} + 50901944364T^{21} - 61584533152T^{22} + 68963363324T^{23} - 71601417360T^{24} + 68963363324T^{25} - 61584533152T^{26} + 50901944364T^{27} - 38817771178T^{28} + 27170673930T^{29} - 17309218914T^{30} + 9893335906T^{31} - 4938944758T^{32} + 2026835910T^{33} - 558778014T^{34} - 35960560T^{35} + 188404560T^{36} - 166119108T^{37} + 104043312T^{38} - 53221968T^{39} + 23145504T^{40} - 8656724T^{41} + 2779398T^{42} - 757346T^{43} + 171406T^{44} - 31086T^{45} + 4250T^{46} - 390T^{47} + 18T^{48} \right) + \frac{1}{T^{24}}$$

$$a \left(36 - 732T + 7504T^2 - 51720T^3 + 268756T^4 - 1116812T^5 + 3835656T^6 - 11074916T^7 + 26972072T^8 - 54542868T^9 + 86231032T^{10} - 82119484T^{11} - 67755432T^{12} + 592437284T^{13} - 1881249044T^{14} + 4482288576T^{15} - 9018529848T^{16} + 16001096276T^{17} - 25566484020T^{18} + 37224450520T^{19} - 49742339856T^{20} + 61274259792T^{21} - 69758090528T^{22} + 73479366216T^{23} - 71601417360T^{24} + 64447360432T^{25} - 53410975776T^{26} + 40529628936T^{27} - 27893202500T^{28} + 17116897340T^{29} - 9051953808T^{30} + 3785575536T^{31} - 859359668T^{32} - 428616756T^{33} + 763693016T^{34} - 664358404T^{35} + 444564552T^{36} - 250118732T^{37} + 121855592T^{38} - 51901068T^{39} + 19318936T^{40} - 6238532T^{41} + 1723140T^{42} - 397880T^{43} + 74056T^{44} - 10452T^{45} + 996T^{46} - 48T^{47} \right) \times y +$$

$$\begin{aligned}
 & 17\,191\,518\,T^{41} + 5\,108\,040\,T^{42} - 1\,293\,858\,T^{43} + 273\,236\,T^{44} - 46\,458\,T^{45} + 6\,002\,T^{46} - 528\,T^{47} + 24\,T^{48} \Big) + \\
 & \frac{1}{T^{24}} a \left(36 - 732\,T + 7728\,T^2 - 55\,620\,T^3 + 303\,732\,T^4 - 1\,329\,768\,T^5 + 4\,814\,964\,T^6 - 14\,657\,940\,T^7 + \right. \\
 & 37\,661\,580\,T^8 - 80\,620\,848\,T^9 + 136\,753\,716\,T^{10} - 150\,717\,804\,T^{11} - 47\,306\,808\,T^{12} + \\
 & 835\,242\,660\,T^{13} - 2\,889\,732\,420\,T^{14} + 7\,208\,639\,064\,T^{15} - 14\,981\,991\,948\,T^{16} + 27\,255\,863\,052\,T^{17} - \\
 & 44\,423\,125\,560\,T^{18} + 65\,701\,772\,268\,T^{19} - 88\,856\,758\,452\,T^{20} + 110\,403\,681\,696\,T^{21} - \\
 & 126\,365\,880\,060\,T^{22} + 133\,395\,372\,180\,T^{23} - 129\,847\,284\,252\,T^{24} + 116\,356\,843\,008\,T^{25} - \\
 & 95\,657\,110\,164\,T^{26} + 71\,707\,967\,100\,T^{27} - 48\,505\,373\,400\,T^{28} + 29\,046\,705\,468\,T^{29} - 14\,801\,656\,716\,T^{30} + \\
 & 5\,770\,953\,144\,T^{31} - 963\,019\,332\,T^{32} - 998\,903\,340\,T^{33} + 1\,387\,610\,280\,T^{34} - 1\,117\,506\,204\,T^{35} + \\
 & 708\,710\,868\,T^{36} - 380\,122\,512\,T^{37} + 176\,731\,500\,T^{38} - 71\,780\,148\,T^{39} + 25\,441\,812\,T^{40} - \\
 & \left. 7\,811\,496\,T^{41} + 2\,049\,300\,T^{42} - 449\,460\,T^{43} + 79\,632\,T^{44} - 10\,764\,T^{45} + 996\,T^{46} - 48\,T^{47} \right) x y +
 \end{aligned}$$

$$\begin{aligned}
 \gg \frac{1}{T^{24}} & \left(-6 + 132\,T - 1508\,T^2 + 11\,758\,T^3 - 69\,796\,T^4 + 334\,448\,T^5 - 1\,341\,460\,T^6 + 4\,615\,340\,T^7 - \right. \\
 & 13\,860\,824\,T^8 + 36\,809\,188\,T^9 - 87\,294\,360\,T^{10} + 186\,292\,720\,T^{11} - 359\,898\,266\,T^{12} + 632\,363\,852\,T^{13} - \\
 & 1\,014\,192\,868\,T^{14} + 1\,488\,623\,666\,T^{15} - 2\,002\,974\,034\,T^{16} + 2\,471\,567\,956\,T^{17} - 2\,792\,794\,268\,T^{18} + \\
 & 2\,875\,715\,898\,T^{19} - 2\,665\,906\,776\,T^{20} + 2\,160\,128\,760\,T^{21} - 1\,405\,579\,812\,T^{22} + 487\,450\,272\,T^{23} + \\
 & 487\,450\,272\,T^{24} - 1\,405\,579\,812\,T^{25} + 2\,160\,128\,760\,T^{26} - 2\,665\,906\,776\,T^{27} + 2\,875\,715\,898\,T^{28} - \\
 & 2\,792\,794\,268\,T^{29} + 2\,471\,567\,956\,T^{30} - 2\,002\,974\,034\,T^{31} + 1\,488\,623\,666\,T^{32} - 1\,014\,192\,868\,T^{33} + \\
 & 632\,363\,852\,T^{34} - 359\,898\,266\,T^{35} + 186\,292\,720\,T^{36} - 87\,294\,360\,T^{37} + 36\,809\,188\,T^{38} - 13\,860\,824\,T^{39} + \\
 & \left. 4\,615\,340\,T^{40} - 1\,341\,460\,T^{41} + 334\,448\,T^{42} - 69\,796\,T^{43} + 11\,758\,T^{44} - 1508\,T^{45} + 132\,T^{46} - 6\,T^{47} \right) x y +
 \end{aligned}$$

$$\begin{aligned}
 \frac{1}{T^{24}} & \left(21 - 411\,T + 4212\,T^2 - 29\,601\,T^3 + 158\,697\,T^4 - 686\,070\,T^5 + 2\,470\,545\,T^6 - 7\,554\,393\,T^7 + \right. \\
 & 19\,806\,039\,T^8 - 44\,532\,048\,T^9 + 84\,687\,009\,T^{10} - 130\,170\,159\,T^{11} + 137\,379\,690\,T^{12} - 712\,215\,T^{13} - \\
 & 473\,419\,485\,T^{14} + 1\,569\,495\,114\,T^{15} - 3\,618\,741\,159\,T^{16} + 6\,895\,638\,783\,T^{17} - 11\,471\,818\,974\,T^{18} + \\
 & 17\,079\,967\,443\,T^{19} - 23\,061\,213\,945\,T^{20} + 28\,453\,984\,020\,T^{21} - 32\,226\,696\,747\,T^{22} + 33\,583\,967\,361\,T^{23} - \\
 & 32\,226\,696\,747\,T^{24} + 28\,453\,984\,020\,T^{25} - 23\,061\,213\,945\,T^{26} + 17\,079\,967\,443\,T^{27} - 11\,471\,818\,974\,T^{28} + \\
 & 6\,895\,638\,783\,T^{29} - 3\,618\,741\,159\,T^{30} + 1\,569\,495\,114\,T^{31} - 473\,419\,485\,T^{32} - 712\,215\,T^{33} + \\
 & 137\,379\,690\,T^{34} - 130\,170\,159\,T^{35} + 84\,687\,009\,T^{36} - 44\,532\,048\,T^{37} + 19\,806\,039\,T^{38} - 7\,554\,393\,T^{39} + \\
 & \left. 2\,470\,545\,T^{40} - 686\,070\,T^{41} + 158\,697\,T^{42} - 29\,601\,T^{43} + 4212\,T^{44} - 411\,T^{45} + 21\,T^{46} \right) x^2 y^2 \Big] \Big]
 \end{aligned}$$

» True

(Alt) Out[*]= \$Aborted