Pensieve header: Knot[12,Alternating,Last], just for the heck of it.

In[ ]:=
```
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant"];
<< SL2Invariant.m
SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\SL2Invariant\\k=2"];
```

```
Loading KnotTheory` version of February 2, 2020, 10:53:45.2097.
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.
```

In[ ]:=
```
AllKnots[12, Alternating] // Last
```

Out[ ]=
```
Knot[12, Alternating, 1288]
```

In[ ]:=
```
$k = 2;
ħ = γ = 1;
$QZipFail = True;
K = Knot[12, Alternating, 1288];
{n, type, k} = List @@ K;
fname = "Data/" <> ToString[n] <>
   (type /. {Alternating → "a", NonAlternating → "n"}) <> ToString[k] <> ".m";
Switch[FileType[fname],
  None, z = Echo@(K -> Timing[𝔼4@Z@K]); Put[z, fname],
  File, z = Echo@Get[fname]
 ];
z
```

```
KnotTheory: Loading precomputed data in KnotTheory/12A.dts.

KnotTheory: The GaussCode to PD conversion was written by Siddarth Sankaran at the University of Toronto in the summer of
            2005.
```

» Knot[12, Alternating, 1288] →

$$\Big\{1835.86,\ \mathbb{E}_{\{\}\to\{0\}}\Big[\frac{-1+3\,T-7\,T^2+14\,T^3-21\,T^4+25\,T^5-21\,T^6+14\,T^7-7\,T^8+3\,T^9-T^{10}}{T^5},$$

$$0,\ 0,\ \Big\{1,\ \frac{1}{T^{20}}\left(-5+57\,T-369\,T^2+1768\,T^3-6876\,T^4+22\,740\,T^5-65\,723\,T^6+168\,935\,T^7-\right.$$
$$390\,741\,T^8+819\,698\,T^9-1\,567\,750\,T^{10}+2\,742\,228\,T^{11}-4\,392\,068\,T^{12}+6\,436\,976\,T^{13}-$$
$$8\,607\,150\,T^{14}+10\,435\,310\,T^{15}-11\,337\,389\,T^{16}+10\,784\,979\,T^{17}-8\,519\,755\,T^{18}+4\,716\,344\,T^{19}-$$
$$4\,716\,344\,T^{21}+8\,519\,755\,T^{22}-10\,784\,979\,T^{23}+11\,337\,389\,T^{24}-10\,435\,310\,T^{25}+8\,607\,150\,T^{26}-$$
$$6\,436\,976\,T^{27}+4\,392\,068\,T^{28}-2\,742\,228\,T^{29}+1\,567\,750\,T^{30}-819\,698\,T^{31}+390\,741\,T^{32}-$$
$$\left.168\,935\,T^{33}+65\,723\,T^{34}-22\,740\,T^{35}+6876\,T^{36}-1768\,T^{37}+369\,T^{38}-57\,T^{39}+5\,T^{40}\right)+$$
$$\frac{1}{T^{20}}\,a\left(-10+114\,T-738\,T^2+3536\,T^3-13\,752\,T^4+45\,480\,T^5-131\,446\,T^6+337\,870\,T^7-781\,482\,T^8+\right.$$
$$1\,639\,396\,T^9-3\,135\,500\,T^{10}+5\,484\,456\,T^{11}-8\,784\,136\,T^{12}+12\,873\,952\,T^{13}-17\,214\,300\,T^{14}+$$
$$20\,870\,620\,T^{15}-22\,674\,778\,T^{16}+21\,569\,958\,T^{17}-17\,039\,510\,T^{18}+9\,432\,688\,T^{19}-9\,432\,688\,T^{21}+$$
$$17\,039\,510\,T^{22}-21\,569\,958\,T^{23}+22\,674\,778\,T^{24}-20\,870\,620\,T^{25}+17\,214\,300\,T^{26}-$$
$$12\,873\,952\,T^{27}+8\,784\,136\,T^{28}-5\,484\,456\,T^{29}+3\,135\,500\,T^{30}-1\,639\,396\,T^{31}+781\,482\,T^{32}-$$
$$\left.337\,870\,T^{33}+131\,446\,T^{34}-45\,480\,T^{35}+13\,752\,T^{36}-3536\,T^{37}+738\,T^{38}-114\,T^{39}+10\,T^{40}\right)+$$

$$\frac{1}{T^{20}}\left(-10+104\,T-634\,T^2+2902\,T^3-10\,850\,T^4+34\,630\,T^5-96\,816\,T^6+241\,054\,T^7-540\,428\,T^8+\right.$$
$$1\,098\,968\,T^9-2\,036\,532\,T^{10}+3\,447\,924\,T^{11}-5\,336\,212\,T^{12}+7\,537\,740\,T^{13}-9\,676\,560\,T^{14}+$$
$$11\,194\,060\,T^{15}-11\,480\,718\,T^{16}+10\,089\,240\,T^{17}-6\,950\,270\,T^{18}+2\,482\,418\,T^{19}+$$
$$2\,482\,418\,T^{20}-6\,950\,270\,T^{21}+10\,089\,240\,T^{22}-11\,480\,718\,T^{23}+11\,194\,060\,T^{24}-9\,676\,560\,T^{25}+$$
$$7\,537\,740\,T^{26}-5\,336\,212\,T^{27}+3\,447\,924\,T^{28}-2\,036\,532\,T^{29}+1\,098\,968\,T^{30}-540\,428\,T^{31}+$$
$$\left.241\,054\,T^{32}-96\,816\,T^{33}+34\,630\,T^{34}-10\,850\,T^{35}+2902\,T^{36}-634\,T^{37}+104\,T^{38}-10\,T^{39}\right)\,x\,y,$$

$$\frac{1}{2\,T^{40}}\left(25-567\,T+6853\,T^2-58\,468\,T^3+393\,401\,T^4-2\,212\,695\,T^5+10\,777\,252\,T^6-46\,530\,355\,T^7+\right.$$
$$181\,015\,224\,T^8-642\,139\,431\,T^9+2\,095\,867\,320\,T^{10}-6\,336\,867\,879\,T^{11}+17\,841\,028\,957\,T^{12}-$$
$$46\,957\,248\,616\,T^{13}+115\,865\,908\,741\,T^{14}-268\,521\,955\,099\,T^{15}+584\,975\,631\,811\,T^{16}-$$
$$1\,197\,549\,677\,858\,T^{17}+2\,299\,680\,064\,770\,T^{18}-4\,126\,076\,698\,092\,T^{19}+6\,864\,574\,847\,662\,T^{20}-$$
$$10\,437\,911\,417\,278\,T^{21}+14\,075\,124\,192\,268\,T^{22}-15\,591\,387\,953\,098\,T^{23}+10\,331\,294\,734\,220\,T^{24}+$$
$$10\,177\,163\,124\,042\,T^{25}-59\,654\,905\,389\,016\,T^{26}+158\,186\,396\,528\,594\,T^{27}-332\,421\,421\,954\,438\,T^{28}+$$
$$614\,178\,017\,610\,968\,T^{29}-1\,036\,874\,896\,508\,254\,T^{30}+1\,629\,617\,036\,999\,842\,T^{31}-2\,409\,427\,643\,759\,115\,T^{32}+$$
$$3\,372\,933\,517\,661\,299\,T^{33}-4\,489\,517\,214\,431\,633\,T^{34}+5\,698\,237\,012\,122\,836\,T^{35}-$$
$$6\,910\,430\,561\,973\,157\,T^{36}+8\,018\,794\,700\,429\,891\,T^{37}-8\,912\,080\,261\,554\,900\,T^{38}+$$
$$9\,492\,820\,590\,455\,743\,T^{39}-9\,694\,307\,482\,143\,540\,T^{40}+9\,492\,820\,590\,455\,743\,T^{41}-$$
$$8\,912\,080\,261\,554\,900\,T^{42}+8\,018\,794\,700\,429\,891\,T^{43}-6\,910\,430\,561\,973\,157\,T^{44}+$$
$$5\,698\,237\,012\,122\,836\,T^{45}-4\,489\,517\,214\,431\,633\,T^{46}+3\,372\,933\,517\,661\,299\,T^{47}-$$
$$2\,409\,427\,643\,759\,115\,T^{48}+1\,629\,617\,036\,999\,842\,T^{49}-1\,036\,874\,896\,508\,254\,T^{50}+614\,178\,017\,610\,968\,T^{51}-$$
$$332\,421\,421\,954\,438\,T^{52}+158\,186\,396\,528\,594\,T^{53}-59\,654\,905\,389\,016\,T^{54}+10\,177\,163\,124\,042\,T^{55}+$$
$$10\,331\,294\,734\,220\,T^{56}-15\,591\,387\,953\,098\,T^{57}+14\,075\,124\,192\,268\,T^{58}-10\,437\,911\,417\,278\,T^{59}+$$
$$6\,864\,574\,847\,662\,T^{60}-4\,126\,076\,698\,092\,T^{61}+2\,299\,680\,064\,770\,T^{62}-1\,197\,549\,677\,858\,T^{63}+$$
$$584\,975\,631\,811\,T^{64}-268\,521\,955\,099\,T^{65}+115\,865\,908\,741\,T^{66}-46\,957\,248\,616\,T^{67}+$$
$$17\,841\,028\,957\,T^{68}-6\,336\,867\,879\,T^{69}+2\,095\,867\,320\,T^{70}-642\,139\,431\,T^{71}+181\,015\,224\,T^{72}-$$
$$\left.46\,530\,355\,T^{73}+10\,777\,252\,T^{74}-2\,212\,695\,T^{75}+393\,401\,T^{76}-58\,468\,T^{77}+6853\,T^{78}-567\,T^{79}+25\,T^{80}\right)+$$

$$\frac{1}{T^{40}}\,a\left(50-1134\,T+13\,714\,T^2-117\,128\,T^3+789\,210\,T^4-4\,446\,414\,T^5+21\,697\,740\,T^6-93\,869\,478\,T^7+\right.$$
$$365\,955\,980\,T^8-1\,301\,056\,526\,T^9+4\,255\,941\,348\,T^{10}-12\,896\,395\,182\,T^{11}+36\,387\,847\,154\,T^{12}-$$
$$95\,972\,113\,872\,T^{13}+237\,271\,686\,594\,T^{14}-550\,848\,961\,910\,T^{15}+1\,201\,795\,696\,998\,T^{16}-$$
$$2\,462\,921\,152\,260\,T^{17}+4\,731\,829\,793\,716\,T^{18}-8\,486\,027\,006\,040\,T^{19}+14\,090\,556\,328\,716\,T^{20}-$$
$$21\,324\,213\,809\,980\,T^{21}+28\,448\,972\,735\,184\,T^{22}-30\,643\,319\,938\,388\,T^{23}+17\,696\,443\,600\,384\,T^{24}+$$
$$28\,940\,802\,045\,012\,T^{25}-139\,312\,255\,311\,112\,T^{26}+357\,440\,867\,622\,820\,T^{27}-741\,834\,086\,122\,764\,T^{28}+$$
$$1\,362\,490\,210\,937\,072\,T^{29}-2\,293\,121\,916\,427\,324\,T^{30}+3\,598\,172\,343\,864\,900\,T^{31}-$$
$$5\,315\,674\,781\,842\,870\,T^{32}+7\,438\,818\,001\,731\,558\,T^{33}-9\,900\,669\,083\,674\,266\,T^{34}+$$
$$12\,567\,177\,047\,947\,560\,T^{35}-15\,242\,756\,443\,293\,026\,T^{36}+17\,690\,270\,075\,478\,630\,T^{37}-$$
$$19\,663\,547\,632\,542\,812\,T^{38}+20\,946\,725\,321\,526\,014\,T^{39}-21\,391\,977\,550\,315\,716\,T^{40}+$$
$$20\,946\,725\,321\,526\,014\,T^{41}-19\,663\,547\,632\,542\,812\,T^{42}+17\,690\,270\,075\,478\,630\,T^{43}-$$
$$15\,242\,756\,443\,293\,026\,T^{44}+12\,567\,177\,047\,947\,560\,T^{45}-9\,900\,669\,083\,674\,266\,T^{46}+$$
$$7\,438\,818\,001\,731\,558\,T^{47}-5\,315\,674\,781\,842\,870\,T^{48}+3\,598\,172\,343\,864\,900\,T^{49}-$$
$$2\,293\,121\,916\,427\,324\,T^{50}+1\,362\,490\,210\,937\,072\,T^{51}-741\,834\,086\,122\,764\,T^{52}+$$
$$357\,440\,867\,622\,820\,T^{53}-139\,312\,255\,311\,112\,T^{54}+28\,940\,802\,045\,012\,T^{55}+17\,696\,443\,600\,384\,T^{56}-$$
$$30\,643\,319\,938\,388\,T^{57}+28\,448\,972\,735\,184\,T^{58}-21\,324\,213\,809\,980\,T^{59}+14\,090\,556\,328\,716\,T^{60}-$$
$$8\,486\,027\,006\,040\,T^{61}+4\,731\,829\,793\,716\,T^{62}-2\,462\,921\,152\,260\,T^{63}+1\,201\,795\,696\,998\,T^{64}-$$
$$550\,848\,961\,910\,T^{65}+237\,271\,686\,594\,T^{66}-95\,972\,113\,872\,T^{67}+36\,387\,847\,154\,T^{68}-$$
$$12\,896\,395\,182\,T^{69}+4\,255\,941\,348\,T^{70}-1\,301\,056\,526\,T^{71}+365\,955\,980\,T^{72}-93\,869\,478\,T^{73}+$$
$$\left.21\,697\,740\,T^{74}-4\,446\,414\,T^{75}+789\,210\,T^{76}-117\,128\,T^{77}+13\,714\,T^{78}-1134\,T^{79}+50\,T^{80}\right)+$$

$$\frac{1}{T^{40}}\,a^2\left(50-1134\,T+13\,714\,T^2-117\,128\,T^3+789\,210\,T^4-4\,446\,414\,T^5+21\,697\,740\,T^6-93\,869\,478\,T^7+\right.$$
$$365\,955\,980\,T^8-1\,301\,056\,526\,T^9+4\,255\,941\,348\,T^{10}-12\,896\,395\,182\,T^{11}+36\,387\,847\,154\,T^{12}-$$

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$$95\,972\,113\,872\,T^{13} + 237\,271\,686\,594\,T^{14} - 550\,848\,961\,910\,T^{15} + 1\,201\,795\,696\,998\,T^{16} -$$
$$2\,462\,921\,152\,260\,T^{17} + 4\,731\,829\,793\,716\,T^{18} - 8\,486\,027\,006\,040\,T^{19} + 14\,090\,556\,328\,716\,T^{20} -$$
$$21\,324\,213\,809\,980\,T^{21} + 28\,448\,972\,735\,184\,T^{22} - 30\,643\,319\,938\,388\,T^{23} + 17\,696\,443\,600\,384\,T^{24} +$$
$$28\,940\,802\,045\,012\,T^{25} - 139\,312\,255\,311\,112\,T^{26} + 357\,440\,867\,622\,820\,T^{27} - 741\,834\,086\,122\,764\,T^{28} +$$
$$1\,362\,490\,210\,937\,072\,T^{29} - 2\,293\,121\,916\,427\,324\,T^{30} + 3\,598\,172\,343\,864\,900\,T^{31} -$$
$$5\,315\,674\,781\,842\,870\,T^{32} + 7\,438\,818\,001\,731\,558\,T^{33} - 9\,900\,669\,083\,674\,266\,T^{34} +$$
$$12\,567\,177\,047\,947\,560\,T^{35} - 15\,242\,756\,443\,293\,026\,T^{36} + 17\,690\,270\,075\,478\,630\,T^{37} -$$
$$19\,663\,547\,632\,542\,812\,T^{38} + 20\,946\,725\,321\,526\,014\,T^{39} - 21\,391\,977\,550\,315\,716\,T^{40} +$$
$$20\,946\,725\,321\,526\,014\,T^{41} - 19\,663\,547\,632\,542\,812\,T^{42} + 17\,690\,270\,075\,478\,630\,T^{43} -$$
$$15\,242\,756\,443\,293\,026\,T^{44} + 12\,567\,177\,047\,947\,560\,T^{45} - 9\,900\,669\,083\,674\,266\,T^{46} +$$
$$7\,438\,818\,001\,731\,558\,T^{47} - 5\,315\,674\,781\,842\,870\,T^{48} + 3\,598\,172\,343\,864\,900\,T^{49} -$$
$$2\,293\,121\,916\,427\,324\,T^{50} + 1\,362\,490\,210\,937\,072\,T^{51} - 741\,834\,086\,122\,764\,T^{52} +$$
$$357\,440\,867\,622\,820\,T^{53} - 139\,312\,255\,311\,112\,T^{54} + 28\,940\,802\,045\,012\,T^{55} + 17\,696\,443\,600\,384\,T^{56} -$$
$$30\,643\,319\,938\,388\,T^{57} + 28\,448\,972\,735\,184\,T^{58} - 21\,324\,213\,809\,980\,T^{59} + 14\,090\,556\,328\,716\,T^{60} -$$
$$8\,486\,027\,006\,040\,T^{61} + 4\,731\,829\,793\,716\,T^{62} - 2\,462\,921\,152\,260\,T^{63} + 1\,201\,795\,696\,998\,T^{64} -$$
$$550\,848\,961\,910\,T^{65} + 237\,271\,686\,594\,T^{66} - 95\,972\,113\,872\,T^{67} + 36\,387\,847\,154\,T^{68} -$$
$$12\,896\,395\,182\,T^{69} + 4\,255\,941\,348\,T^{70} - 1\,301\,056\,526\,T^{71} + 365\,955\,980\,T^{72} - 93\,869\,478\,T^{73} +$$
$$21\,697\,740\,T^{74} - 4\,446\,414\,T^{75} + 789\,210\,T^{76} - 117\,128\,T^{77} + 13\,714\,T^{78} - 1134\,T^{79} + 50\,T^{80}\Big) +$$

$$\frac{1}{T^{40}}\,a\,\Big(100 - 2148\,T + 24\,832\,T^2 - 204\,020\,T^3 + 1\,328\,004\,T^4 - 7\,248\,592\,T^5 + 34\,334\,980\,T^6 -$$
$$144\,368\,796\,T^7 + 547\,419\,300\,T^8 - 1\,893\,412\,576\,T^9 + 6\,024\,620\,436\,T^{10} - 17\,746\,819\,772\,T^{11} +$$
$$48\,623\,055\,648\,T^{12} - 124\,312\,808\,988\,T^{13} + 297\,172\,490\,964\,T^{14} - 664\,684\,526\,728\,T^{15} +$$
$$1\,389\,807\,634\,296\,T^{16} - 2\,708\,428\,298\,888\,T^{17} + 4\,887\,987\,422\,896\,T^{18} - 8\,067\,388\,214\,328\,T^{19} +$$
$$11\,863\,303\,353\,032\,T^{20} - 14\,583\,160\,602\,160\,T^{21} + 11\,865\,346\,486\,776\,T^{22} + 5\,388\,232\,042\,536\,T^{23} -$$
$$53\,767\,750\,585\,816\,T^{24} + 160\,484\,370\,318\,048\,T^{25} - 366\,134\,715\,679\,576\,T^{26} + 725\,902\,586\,091\,816\,T^{27} -$$
$$1\,307\,679\,730\,234\,272\,T^{28} + 2\,185\,647\,844\,579\,336\,T^{29} - 3\,428\,523\,507\,647\,352\,T^{30} +$$
$$5\,083\,002\,915\,335\,568\,T^{31} - 7\,154\,768\,970\,968\,180\,T^{32} + 9\,591\,246\,207\,031\,412\,T^{33} -$$
$$12\,271\,395\,252\,102\,144\,T^{34} + 15\,007\,530\,266\,256\,964\,T^{35} - 17\,562\,060\,399\,410\,900\,T^{36} +$$
$$19\,678\,450\,137\,280\,464\,T^{37} - 21\,121\,488\,770\,721\,428\,T^{38} + 21\,718\,524\,438\,436\,428\,T^{39} -$$
$$21\,391\,977\,550\,315\,716\,T^{40} + 20\,174\,926\,204\,615\,600\,T^{41} - 18\,205\,606\,494\,364\,196\,T^{42} +$$
$$15\,702\,090\,013\,676\,796\,T^{43} - 12\,923\,452\,487\,175\,152\,T^{44} + 10\,126\,823\,829\,638\,156\,T^{45} -$$
$$7\,529\,942\,915\,246\,388\,T^{46} + 5\,286\,389\,796\,431\,704\,T^{47} - 3\,476\,580\,592\,717\,560\,T^{48} +$$
$$2\,113\,341\,772\,394\,232\,T^{49} - 1\,157\,720\,325\,207\,296\,T^{50} + 539\,332\,577\,294\,808\,T^{51} -$$
$$175\,988\,442\,011\,256\,T^{52} - 11\,020\,850\,846\,176\,T^{53} + 87\,510\,205\,057\,352\,T^{54} - 102\,602\,766\,228\,024\,T^{55} +$$
$$89\,160\,637\,786\,584\,T^{56} - 66\,674\,871\,919\,312\,T^{57} + 45\,032\,598\,983\,592\,T^{58} - 28\,065\,267\,017\,800\,T^{59} +$$
$$16\,317\,809\,304\,400\,T^{60} - 8\,904\,665\,797\,752\,T^{61} + 4\,575\,672\,164\,536\,T^{62} - 2\,217\,414\,005\,632\,T^{63} +$$
$$1\,013\,783\,759\,700\,T^{64} - 437\,013\,397\,092\,T^{65} + 177\,370\,882\,224\,T^{66} - 67\,631\,418\,756\,T^{67} +$$
$$24\,152\,638\,660\,T^{68} - 8\,045\,970\,592\,T^{69} + 2\,487\,262\,260\,T^{70} - 708\,700\,476\,T^{71} + 184\,492\,660\,T^{72} -$$
$$43\,370\,160\,T^{73} + 9\,060\,500\,T^{74} - 1\,644\,236\,T^{75} + 250\,416\,T^{76} - 30\,236\,T^{77} + 2596\,T^{78} - 120\,T^{79}\Big)\,x\,y +$$

$$\frac{1}{T^{40}}\,\Big(55 - 1131\,T + 12\,636\,T^2 - 100\,973\,T^3 + 642\,087\,T^4 - 3\,435\,186\,T^5 + 15\,991\,099\,T^6 - 66\,224\,265\,T^7 +$$
$$247\,805\,679\,T^8 - 847\,363\,030\,T^9 + 2\,670\,284\,727\,T^{10} - 7\,804\,579\,881\,T^{11} + 21\,259\,038\,720\,T^{12} -$$
$$54\,161\,884\,083\,T^{13} + 129\,384\,587\,931\,T^{14} - 290\,232\,483\,676\,T^{15} + 611\,572\,926\,306\,T^{16} -$$
$$1\,209\,452\,189\,550\,T^{17} + 2\,238\,711\,115\,612\,T^{18} - 3\,857\,588\,264\,070\,T^{19} + 6\,124\,554\,328\,638\,T^{20} -$$
$$8\,779\,385\,567\,800\,T^{21} + 10\,855\,669\,033\,722\,T^{22} - 10\,087\,432\,402\,290\,T^{23} + 2\,121\,321\,508\,262\,T^{24} +$$
$$20\,364\,862\,823\,436\,T^{25} - 68\,413\,603\,384\,914\,T^{26} + 157\,059\,153\,640\,854\,T^{27} - 304\,693\,923\,241\,416\,T^{28} +$$
$$531\,148\,119\,205\,242\,T^{29} - 854\,318\,200\,805\,154\,T^{30} + 1\,285\,577\,676\,208\,128\,T^{31} -$$
$$1\,824\,712\,015\,641\,843\,T^{32} + 2\,455\,585\,264\,927\,607\,T^{33} - 3\,143\,969\,505\,507\,468\,T^{34} +$$
$$3\,838\,776\,182\,850\,561\,T^{35} - 4\,477\,261\,420\,421\,363\,T^{36} + 4\,993\,752\,737\,489\,802\,T^{37} -$$
$$5\,330\,351\,006\,344\,455\,T^{38} + 5\,447\,274\,490\,843\,581\,T^{39} - 5\,330\,351\,006\,344\,455\,T^{40} +$$
$$4\,993\,752\,737\,489\,802\,T^{41} - 4\,477\,261\,420\,421\,363\,T^{42} + 3\,838\,776\,182\,850\,561\,T^{43} -$$

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$$3\,143\,969\,505\,507\,468\,T^{44} + 2\,455\,585\,264\,927\,607\,T^{45} - 1\,824\,712\,015\,641\,843\,T^{46} +$$
$$1\,285\,577\,676\,208\,128\,T^{47} - 854\,318\,200\,805\,154\,T^{48} + 531\,148\,119\,205\,242\,T^{49} - 304\,693\,923\,241\,416\,T^{50} +$$
$$157\,059\,153\,640\,854\,T^{51} - 68\,413\,603\,384\,914\,T^{52} + 20\,364\,862\,823\,436\,T^{53} + 2\,121\,321\,508\,262\,T^{54} -$$
$$10\,087\,432\,402\,290\,T^{55} + 10\,855\,669\,033\,722\,T^{56} - 8\,779\,385\,567\,800\,T^{57} + 6\,124\,554\,328\,638\,T^{58} -$$
$$3\,857\,588\,264\,070\,T^{59} + 2\,238\,711\,115\,612\,T^{60} - 1\,209\,452\,189\,550\,T^{61} + 611\,572\,926\,306\,T^{62} -$$
$$290\,232\,483\,676\,T^{63} + 129\,384\,587\,931\,T^{64} - 54\,161\,884\,083\,T^{65} + 21\,259\,038\,720\,T^{66} -$$
$$7\,804\,579\,881\,T^{67} + 2\,670\,284\,727\,T^{68} - 847\,363\,030\,T^{69} + 247\,805\,679\,T^{70} - 66\,224\,265\,T^{71} +$$
$$15\,991\,099\,T^{72} - 3\,435\,186\,T^{73} + 642\,087\,T^{74} - 100\,973\,T^{75} + 12\,636\,T^{76} - 1131\,T^{77} + 55\,T^{78}\Big)\,x^2\,y^2\Big\}\Big]\Big\}$$

Out[•]= Knot[12, Alternating, 1288] →

$$\Big\{1835.86,\ \mathbb{E}_{\{\}\to\{0\}}\Big[\frac{-1+3\,T-7\,T^2+14\,T^3-21\,T^4+25\,T^5-21\,T^6+14\,T^7-7\,T^8+3\,T^9-T^{10}}{T^5},\ 0,\ 0,$$

$$\Big\{1,\ \frac{1}{T^{20}}\Big(-5+57\,T-369\,T^2+1768\,T^3-6876\,T^4+22\,740\,T^5-65\,723\,T^6+168\,935\,T^7-390\,741\,T^8+$$
$$819\,698\,T^9-1\,567\,750\,T^{10}+2\,742\,228\,T^{11}-4\,392\,068\,T^{12}+6\,436\,976\,T^{13}-8\,607\,150\,T^{14}+$$
$$10\,435\,310\,T^{15}-11\,337\,389\,T^{16}+10\,784\,979\,T^{17}-8\,519\,755\,T^{18}+4\,716\,344\,T^{19}-4\,716\,344\,T^{21}+$$
$$8\,519\,755\,T^{22}-10\,784\,979\,T^{23}+11\,337\,389\,T^{24}-10\,435\,310\,T^{25}+8\,607\,150\,T^{26}-$$
$$6\,436\,976\,T^{27}+4\,392\,068\,T^{28}-2\,742\,228\,T^{29}+1\,567\,750\,T^{30}-819\,698\,T^{31}+390\,741\,T^{32}-$$
$$168\,935\,T^{33}+65\,723\,T^{34}-22\,740\,T^{35}+6876\,T^{36}-1768\,T^{37}+369\,T^{38}-57\,T^{39}+5\,T^{40}\Big)+$$
$$\frac{1}{T^{20}}\,a\,\Big(-10+114\,T-738\,T^2+3536\,T^3-13\,752\,T^4+45\,480\,T^5-131\,446\,T^6+337\,870\,T^7-$$
$$781\,482\,T^8+1\,639\,396\,T^9-3\,135\,500\,T^{10}+5\,484\,456\,T^{11}-8\,784\,136\,T^{12}+12\,873\,952\,T^{13}-$$
$$17\,214\,300\,T^{14}+20\,870\,620\,T^{15}-22\,674\,778\,T^{16}+21\,569\,958\,T^{17}-17\,039\,510\,T^{18}+9\,432\,688\,T^{19}-$$
$$9\,432\,688\,T^{21}+17\,039\,510\,T^{22}-21\,569\,958\,T^{23}+22\,674\,778\,T^{24}-20\,870\,620\,T^{25}+17\,214\,300\,T^{26}-$$
$$12\,873\,952\,T^{27}+8\,784\,136\,T^{28}-5\,484\,456\,T^{29}+3\,135\,500\,T^{30}-1\,639\,396\,T^{31}+781\,482\,T^{32}-$$
$$337\,870\,T^{33}+131\,446\,T^{34}-45\,480\,T^{35}+13\,752\,T^{36}-3536\,T^{37}+738\,T^{38}-114\,T^{39}+10\,T^{40}\Big)+$$
$$\frac{1}{T^{20}}\,\Big(-10+104\,T-634\,T^2+2902\,T^3-10\,850\,T^4+34\,630\,T^5-96\,816\,T^6+241\,054\,T^7-$$
$$540\,428\,T^8+1\,098\,968\,T^9-2\,036\,532\,T^{10}+3\,447\,924\,T^{11}-5\,336\,212\,T^{12}+7\,537\,740\,T^{13}-$$
$$9\,676\,560\,T^{14}+11\,194\,060\,T^{15}-11\,480\,718\,T^{16}+10\,089\,240\,T^{17}-6\,950\,270\,T^{18}+2\,482\,418\,T^{19}+$$
$$2\,482\,418\,T^{20}-6\,950\,270\,T^{21}+10\,089\,240\,T^{22}-11\,480\,718\,T^{23}+11\,194\,060\,T^{24}-9\,676\,560\,T^{25}+$$
$$7\,537\,740\,T^{26}-5\,336\,212\,T^{27}+3\,447\,924\,T^{28}-2\,036\,532\,T^{29}+1\,098\,968\,T^{30}-540\,428\,T^{31}+$$
$$241\,054\,T^{32}-96\,816\,T^{33}+34\,630\,T^{34}-10\,850\,T^{35}+2902\,T^{36}-634\,T^{37}+104\,T^{38}-10\,T^{39}\Big)\,x\,y,$$
$$\frac{1}{2\,T^{40}}\,\Big(25-567\,T+6853\,T^2-58\,468\,T^3+393\,401\,T^4-2\,212\,695\,T^5+10\,777\,252\,T^6-$$
$$46\,530\,355\,T^7+181\,015\,224\,T^8-642\,139\,431\,T^9+2\,095\,867\,320\,T^{10}-6\,336\,867\,879\,T^{11}+$$
$$17\,841\,028\,957\,T^{12}-46\,957\,248\,616\,T^{13}+115\,865\,908\,741\,T^{14}-268\,521\,955\,099\,T^{15}+$$
$$584\,975\,631\,811\,T^{16}-1\,197\,549\,677\,858\,T^{17}+2\,299\,680\,064\,770\,T^{18}-4\,126\,076\,698\,092\,T^{19}+$$
$$6\,864\,574\,847\,662\,T^{20}-10\,437\,911\,417\,278\,T^{21}+14\,075\,124\,192\,268\,T^{22}-15\,591\,387\,953\,098\,T^{23}+$$
$$10\,331\,294\,734\,220\,T^{24}+10\,177\,163\,124\,042\,T^{25}-59\,654\,905\,389\,016\,T^{26}+$$
$$158\,186\,396\,528\,594\,T^{27}-332\,421\,421\,954\,438\,T^{28}+614\,178\,017\,610\,968\,T^{29}-$$
$$1\,036\,874\,896\,508\,254\,T^{30}+1\,629\,617\,036\,999\,842\,T^{31}-2\,409\,427\,643\,759\,115\,T^{32}+$$
$$3\,372\,933\,517\,661\,299\,T^{33}-4\,489\,517\,214\,431\,633\,T^{34}+5\,698\,237\,012\,122\,836\,T^{35}-$$
$$6\,910\,430\,561\,973\,157\,T^{36}+8\,018\,794\,700\,429\,891\,T^{37}-8\,912\,080\,261\,554\,900\,T^{38}+$$
$$9\,492\,820\,590\,455\,743\,T^{39}-9\,694\,307\,482\,143\,540\,T^{40}+9\,492\,820\,590\,455\,743\,T^{41}-$$
$$8\,912\,080\,261\,554\,900\,T^{42}+8\,018\,794\,700\,429\,891\,T^{43}-6\,910\,430\,561\,973\,157\,T^{44}+$$
$$5\,698\,237\,012\,122\,836\,T^{45}-4\,489\,517\,214\,431\,633\,T^{46}+3\,372\,933\,517\,661\,299\,T^{47}-$$
$$2\,409\,427\,643\,759\,115\,T^{48}+1\,629\,617\,036\,999\,842\,T^{49}-1\,036\,874\,896\,508\,254\,T^{50}+$$
$$614\,178\,017\,610\,968\,T^{51}-332\,421\,421\,954\,438\,T^{52}+158\,186\,396\,528\,594\,T^{53}-$$
$$59\,654\,905\,389\,016\,T^{54}+10\,177\,163\,124\,042\,T^{55}+10\,331\,294\,734\,220\,T^{56}-$$

$$15\,591\,387\,953\,098\,T^{57} + 14\,075\,124\,192\,268\,T^{58} - 10\,437\,911\,417\,278\,T^{59} + 6\,864\,574\,847\,662\,T^{60} - 4\,126\,076\,698\,092\,T^{61} + 2\,299\,680\,064\,770\,T^{62} - 1\,197\,549\,677\,858\,T^{63} + 584\,975\,631\,811\,T^{64} - 268\,521\,955\,099\,T^{65} + 115\,865\,908\,741\,T^{66} - 46\,957\,248\,616\,T^{67} + 17\,841\,028\,957\,T^{68} - 6\,336\,867\,879\,T^{69} + 2\,095\,867\,320\,T^{70} - 642\,139\,431\,T^{71} + 181\,015\,224\,T^{72} - 46\,530\,355\,T^{73} + 10\,777\,252\,T^{74} - 2\,212\,695\,T^{75} + 393\,401\,T^{76} - 58\,468\,T^{77} + 6853\,T^{78} - 567\,T^{79} + 25\,T^{80}\Big) +$$

$$\frac{1}{T^{40}}\,a\,\Big(50 - 1134\,T + 13\,714\,T^2 - 117\,128\,T^3 + 789\,210\,T^4 - 4\,446\,414\,T^5 + 21\,697\,740\,T^6 - 93\,869\,478\,T^7 + 365\,955\,980\,T^8 - 1\,301\,056\,526\,T^9 + 4\,255\,941\,348\,T^{10} - 12\,896\,395\,182\,T^{11} + 36\,387\,847\,154\,T^{12} - 95\,972\,113\,872\,T^{13} + 237\,271\,686\,594\,T^{14} - 550\,848\,961\,910\,T^{15} + 1\,201\,795\,696\,998\,T^{16} - 2\,462\,921\,152\,260\,T^{17} + 4\,731\,829\,793\,716\,T^{18} - 8\,486\,027\,006\,040\,T^{19} + 14\,090\,556\,328\,716\,T^{20} - 21\,324\,213\,809\,980\,T^{21} + 28\,448\,972\,735\,184\,T^{22} - 30\,643\,319\,938\,388\,T^{23} + 17\,696\,443\,600\,384\,T^{24} + 28\,940\,802\,045\,012\,T^{25} - 139\,312\,255\,311\,112\,T^{26} + 357\,440\,867\,622\,820\,T^{27} - 741\,834\,086\,122\,764\,T^{28} + 1\,362\,490\,210\,937\,072\,T^{29} - 2\,293\,121\,916\,427\,324\,T^{30} + 3\,598\,172\,343\,864\,900\,T^{31} - 5\,315\,674\,781\,842\,870\,T^{32} + 7\,438\,818\,001\,731\,558\,T^{33} - 9\,900\,669\,083\,674\,266\,T^{34} + 12\,567\,177\,047\,947\,560\,T^{35} - 15\,242\,756\,443\,293\,026\,T^{36} + 17\,690\,270\,075\,478\,630\,T^{37} - 19\,663\,547\,632\,542\,812\,T^{38} + 20\,946\,725\,321\,526\,014\,T^{39} - 21\,391\,977\,550\,315\,716\,T^{40} + 20\,946\,725\,321\,526\,014\,T^{41} - 19\,663\,547\,632\,542\,812\,T^{42} + 17\,690\,270\,075\,478\,630\,T^{43} - 15\,242\,756\,443\,293\,026\,T^{44} + 12\,567\,177\,047\,947\,560\,T^{45} - 9\,900\,669\,083\,674\,266\,T^{46} + 7\,438\,818\,001\,731\,558\,T^{47} - 5\,315\,674\,781\,842\,870\,T^{48} + 3\,598\,172\,343\,864\,900\,T^{49} - 2\,293\,121\,916\,427\,324\,T^{50} + 1\,362\,490\,210\,937\,072\,T^{51} - 741\,834\,086\,122\,764\,T^{52} + 357\,440\,867\,622\,820\,T^{53} - 139\,312\,255\,311\,112\,T^{54} + 28\,940\,802\,045\,012\,T^{55} + 17\,696\,443\,600\,384\,T^{56} - 30\,643\,319\,938\,388\,T^{57} + 28\,448\,972\,735\,184\,T^{58} - 21\,324\,213\,809\,980\,T^{59} + 14\,090\,556\,328\,716\,T^{60} - 8\,486\,027\,006\,040\,T^{61} + 4\,731\,829\,793\,716\,T^{62} - 2\,462\,921\,152\,260\,T^{63} + 1\,201\,795\,696\,998\,T^{64} - 550\,848\,961\,910\,T^{65} + 237\,271\,686\,594\,T^{66} - 95\,972\,113\,872\,T^{67} + 36\,387\,847\,154\,T^{68} - 12\,896\,395\,182\,T^{69} + 4\,255\,941\,348\,T^{70} - 1\,301\,056\,526\,T^{71} + 365\,955\,980\,T^{72} - 93\,869\,478\,T^{73} + 21\,697\,740\,T^{74} - 4\,446\,414\,T^{75} + 789\,210\,T^{76} - 117\,128\,T^{77} + 13\,714\,T^{78} - 1134\,T^{79} + 50\,T^{80}\Big) +$$

$$\frac{1}{T^{40}}\,a^2\,\Big(50 - 1134\,T + 13\,714\,T^2 - 117\,128\,T^3 + 789\,210\,T^4 - 4\,446\,414\,T^5 + 21\,697\,740\,T^6 - 93\,869\,478\,T^7 + 365\,955\,980\,T^8 - 1\,301\,056\,526\,T^9 + 4\,255\,941\,348\,T^{10} - 12\,896\,395\,182\,T^{11} + 36\,387\,847\,154\,T^{12} - 95\,972\,113\,872\,T^{13} + 237\,271\,686\,594\,T^{14} - 550\,848\,961\,910\,T^{15} + 1\,201\,795\,696\,998\,T^{16} - 2\,462\,921\,152\,260\,T^{17} + 4\,731\,829\,793\,716\,T^{18} - 8\,486\,027\,006\,040\,T^{19} + 14\,090\,556\,328\,716\,T^{20} - 21\,324\,213\,809\,980\,T^{21} + 28\,448\,972\,735\,184\,T^{22} - 30\,643\,319\,938\,388\,T^{23} + 17\,696\,443\,600\,384\,T^{24} + 28\,940\,802\,045\,012\,T^{25} - 139\,312\,255\,311\,112\,T^{26} + 357\,440\,867\,622\,820\,T^{27} - 741\,834\,086\,122\,764\,T^{28} + 1\,362\,490\,210\,937\,072\,T^{29} - 2\,293\,121\,916\,427\,324\,T^{30} + 3\,598\,172\,343\,864\,900\,T^{31} - 5\,315\,674\,781\,842\,870\,T^{32} + 7\,438\,818\,001\,731\,558\,T^{33} - 9\,900\,669\,083\,674\,266\,T^{34} + 12\,567\,177\,047\,947\,560\,T^{35} - 15\,242\,756\,443\,293\,026\,T^{36} + 17\,690\,270\,075\,478\,630\,T^{37} - 19\,663\,547\,632\,542\,812\,T^{38} + 20\,946\,725\,321\,526\,014\,T^{39} - 21\,391\,977\,550\,315\,716\,T^{40} + 20\,946\,725\,321\,526\,014\,T^{41} - 19\,663\,547\,632\,542\,812\,T^{42} + 17\,690\,270\,075\,478\,630\,T^{43} - 15\,242\,756\,443\,293\,026\,T^{44} + 12\,567\,177\,047\,947\,560\,T^{45} - 9\,900\,669\,083\,674\,266\,T^{46} + 7\,438\,818\,001\,731\,558\,T^{47} - 5\,315\,674\,781\,842\,870\,T^{48} + 3\,598\,172\,343\,864\,900\,T^{49} - 2\,293\,121\,916\,427\,324\,T^{50} + 1\,362\,490\,210\,937\,072\,T^{51} - 741\,834\,086\,122\,764\,T^{52} + 357\,440\,867\,622\,820\,T^{53} - 139\,312\,255\,311\,112\,T^{54} + 28\,940\,802\,045\,012\,T^{55} + 17\,696\,443\,600\,384\,T^{56} - 30\,643\,319\,938\,388\,T^{57} + 28\,448\,972\,735\,184\,T^{58} - 21\,324\,213\,809\,980\,T^{59} + 14\,090\,556\,328\,716\,T^{60} - 8\,486\,027\,006\,040\,T^{61} + 4\,731\,829\,793\,716\,T^{62} - 2\,462\,921\,152\,260\,T^{63} + 1\,201\,795\,696\,998\,T^{64} - 550\,848\,961\,910\,T^{65} + 237\,271\,686\,594\,T^{66} - 95\,972\,113\,872\,T^{67} + 36\,387\,847\,154\,T^{68} - 12\,896\,395\,182\,T^{69} + 4\,255\,941\,348\,T^{70} - 1\,301\,056\,526\,T^{71} + 365\,955\,980\,T^{72} - 93\,869\,478\,T^{73} + 21\,697\,740\,T^{74} - 4\,446\,414\,T^{75} + 789\,210\,T^{76} - 117\,128\,T^{77} + 13\,714\,T^{78} - 1134\,T^{79} + 50\,T^{80}\Big) +$$

$$\frac{1}{T^{40}}\, a \left(100 - 2148\, T + 24\,832\, T^2 - 204\,020\, T^3 + 1\,328\,004\, T^4 - 7\,248\,592\, T^5 + 34\,334\,980\, T^6 - 144\,368\,796\, T^7 + 547\,419\,300\, T^8 - 1\,893\,412\,576\, T^9 + 6\,024\,620\,436\, T^{10} - 17\,746\,819\,772\, T^{11} + 48\,623\,055\,648\, T^{12} - 124\,312\,808\,988\, T^{13} + 297\,172\,490\,964\, T^{14} - 664\,684\,526\,728\, T^{15} + 1\,389\,807\,634\,296\, T^{16} - 2\,708\,428\,298\,888\, T^{17} + 4\,887\,987\,422\,896\, T^{18} - 8\,067\,388\,214\,328\, T^{19} + 11\,863\,303\,353\,032\, T^{20} - 14\,583\,160\,602\,160\, T^{21} + 11\,865\,346\,486\,776\, T^{22} + 5\,388\,232\,042\,536\, T^{23} - 53\,767\,750\,585\,816\, T^{24} + 160\,484\,370\,318\,048\, T^{25} - 366\,134\,715\,679\,576\, T^{26} + 725\,902\,586\,091\,816\, T^{27} - 1\,307\,679\,730\,234\,272\, T^{28} + 2\,185\,647\,844\,579\,336\, T^{29} - 3\,428\,523\,507\,647\,352\, T^{30} + 5\,083\,002\,915\,335\,568\, T^{31} - 7\,154\,768\,970\,968\,180\, T^{32} + 9\,591\,246\,207\,031\,412\, T^{33} - 12\,271\,395\,252\,102\,144\, T^{34} + 15\,007\,530\,266\,256\,964\, T^{35} - 17\,562\,060\,399\,410\,900\, T^{36} + 19\,678\,450\,137\,280\,464\, T^{37} - 21\,121\,488\,770\,721\,428\, T^{38} + 21\,718\,524\,438\,436\,428\, T^{39} - 21\,391\,977\,550\,315\,716\, T^{40} + 20\,174\,926\,204\,615\,600\, T^{41} - 18\,205\,606\,494\,364\,196\, T^{42} + 15\,702\,090\,013\,676\,796\, T^{43} - 12\,923\,452\,487\,175\,152\, T^{44} + 10\,126\,823\,829\,638\,156\, T^{45} - 7\,529\,942\,915\,246\,388\, T^{46} + 5\,286\,389\,796\,431\,704\, T^{47} - 3\,476\,580\,592\,717\,560\, T^{48} + 2\,113\,341\,772\,394\,232\, T^{49} - 1\,157\,720\,325\,207\,296\, T^{50} + 539\,332\,577\,294\,808\, T^{51} - 175\,988\,442\,011\,256\, T^{52} - 11\,020\,850\,846\,176\, T^{53} + 87\,510\,205\,057\,352\, T^{54} - 102\,602\,766\,228\,024\, T^{55} + 89\,160\,637\,786\,584\, T^{56} - 66\,674\,871\,919\,312\, T^{57} + 45\,032\,598\,983\,592\, T^{58} - 28\,065\,267\,017\,800\, T^{59} + 16\,317\,809\,304\,400\, T^{60} - 8\,904\,665\,797\,752\, T^{61} + 4\,575\,672\,164\,536\, T^{62} - 2\,217\,414\,005\,632\, T^{63} + 1\,013\,783\,759\,700\, T^{64} - 437\,013\,397\,092\, T^{65} + 177\,370\,882\,224\, T^{66} - 67\,631\,418\,756\, T^{67} + 24\,152\,638\,660\, T^{68} - 8\,045\,970\,592\, T^{69} + 2\,487\,262\,260\, T^{70} - 708\,700\,476\, T^{71} + 184\,492\,660\, T^{72} - 43\,370\,160\, T^{73} + 9\,060\,500\, T^{74} - 1\,644\,236\, T^{75} + 250\,416\, T^{76} - 30\,236\, T^{77} + 2596\, T^{78} - 120\, T^{79}\right) x\, y +$$

$$\frac{1}{T^{40}} \left(55 - 1131\, T + 12\,636\, T^2 - 100\,973\, T^3 + 642\,087\, T^4 - 3\,435\,186\, T^5 + 15\,991\,099\, T^6 - 66\,224\,265\, T^7 + 247\,805\,679\, T^8 - 847\,363\,030\, T^9 + 2\,670\,284\,727\, T^{10} - 7\,804\,579\,881\, T^{11} + 21\,259\,038\,720\, T^{12} - 54\,161\,884\,083\, T^{13} + 129\,384\,587\,931\, T^{14} - 290\,232\,483\,676\, T^{15} + 611\,572\,926\,306\, T^{16} - 1\,209\,452\,189\,550\, T^{17} + 2\,238\,711\,115\,612\, T^{18} - 3\,857\,588\,264\,070\, T^{19} + 6\,124\,554\,328\,638\, T^{20} - 8\,779\,385\,567\,800\, T^{21} + 10\,855\,669\,033\,722\, T^{22} - 10\,087\,432\,402\,290\, T^{23} + 2\,121\,321\,508\,262\, T^{24} + 20\,364\,862\,823\,436\, T^{25} - 68\,413\,603\,384\,914\, T^{26} + 157\,059\,153\,640\,854\, T^{27} - 304\,693\,923\,241\,416\, T^{28} + 531\,148\,119\,205\,242\, T^{29} - 854\,318\,200\,805\,154\, T^{30} + 1\,285\,577\,676\,208\,128\, T^{31} - 1\,824\,712\,015\,641\,843\, T^{32} + 2\,455\,585\,264\,927\,607\, T^{33} - 3\,143\,969\,505\,507\,468\, T^{34} + 3\,838\,776\,182\,850\,561\, T^{35} - 4\,477\,261\,420\,421\,363\, T^{36} + 4\,993\,752\,737\,489\,802\, T^{37} - 5\,330\,351\,006\,344\,455\, T^{38} + 5\,447\,274\,490\,843\,581\, T^{39} - 5\,330\,351\,006\,344\,455\, T^{40} + 4\,993\,752\,737\,489\,802\, T^{41} - 4\,477\,261\,420\,421\,363\, T^{42} + 3\,838\,776\,182\,850\,561\, T^{43} - 3\,143\,969\,505\,507\,468\, T^{44} + 2\,455\,585\,264\,927\,607\, T^{45} - 1\,824\,712\,015\,641\,843\, T^{46} + 1\,285\,577\,676\,208\,128\, T^{47} - 854\,318\,200\,805\,154\, T^{48} + 531\,148\,119\,205\,242\, T^{49} - 304\,693\,923\,241\,416\, T^{50} + 157\,059\,153\,640\,854\, T^{51} - 68\,413\,603\,384\,914\, T^{52} + 20\,364\,862\,823\,436\, T^{53} + 2\,121\,321\,508\,262\, T^{54} - 10\,087\,432\,402\,290\, T^{55} + 10\,855\,669\,033\,722\, T^{56} - 8\,779\,385\,567\,800\, T^{57} + 6\,124\,554\,328\,638\, T^{58} - 3\,857\,588\,264\,070\, T^{59} + 2\,238\,711\,115\,612\, T^{60} - 1\,209\,452\,189\,550\, T^{61} + 611\,572\,926\,306\, T^{62} - 290\,232\,483\,676\, T^{63} + 129\,384\,587\,931\, T^{64} - 54\,161\,884\,083\, T^{65} + 21\,259\,038\,720\, T^{66} - 7\,804\,579\,881\, T^{67} + 2\,670\,284\,727\, T^{68} - 847\,363\,030\, T^{69} + 247\,805\,679\, T^{70} - 66\,224\,265\, T^{71} + 15\,991\,099\, T^{72} - 3\,435\,186\, T^{73} + 642\,087\, T^{74} - 100\,973\, T^{75} + 12\,636\, T^{76} - 1131\, T^{77} + 55\, T^{78}\right) x^2\, y^2 \Big\} \Big] \Big\}$$