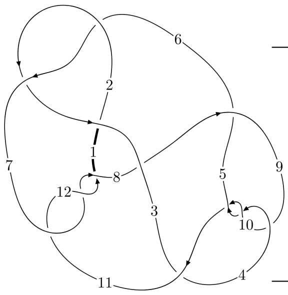
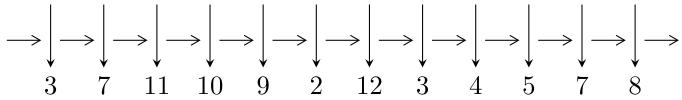
$12n_{0576}$ ($K12n_{0576}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

$$5,10 \xrightarrow[c_{10}]{} 7,11 \xrightarrow[c_{11}]{} 12 \xrightarrow[c_4]{} 4 \xrightarrow[c_3]{} 3 \xrightarrow[c_2]{} 2 \xrightarrow[c_1]{} 1 \xrightarrow[c_6]{} 6 \xrightarrow[c_9]{} 9 \xrightarrow[c_8]{} 8 \twoheadrightarrow c_5, c_7, c_{12}$$

Ideals for irreducible components[2]of $X_{\mathbf{par}}$

$$\begin{aligned}
I_1^u = \langle & -2u^{14}+3u^{13}+9u^{12}-9u^{11}-20u^{10}+4u^9+22u^8+18u^7-3u^6-24u^5-17u^4+4u^3+5u^2+b+10u+3,\\
& -3u^{14}+5u^{13}+12u^{12}-15u^{11}-24u^{10}+8u^9+24u^8+25u^7-34u^5-24u^4+5u^3+5u^2+2a+17u+4,\\
& u^{15}-3u^{14}-2u^{13}+11u^{12}+2u^{11}-16u^{10}-6u^9+7u^8+14u^7+8u^6-10u^5-13u^4+u^3-u^2+6u+2\rangle\\
I_2^u = \langle & -u^3a-u^2a-u^3+au-u^2+b-a+u,\ 2u^4a+2u^3a+2u^4-3u^2a+2u^3+a^2-2au-3u^2+a-3u+1,\\
& u^5+u^4-2u^3-u^2+u-1\rangle\\
I_3^u = \langle & u^3+2u^2+b-2u-2,\ 2u^3+3u^2+3a-3u-3,\ u^4-3u^2+3\rangle\\
I_4^u = \langle & u^3+b,\ u^2+a+u-1,\ u^4-u^2-1\rangle
\end{aligned}$$

$$I_1^v = \langle a,\ b+1,\ v+1\rangle$$

* 5 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 34 representations.

[1]The image of knot diagram is generated by the software "**Draw programme**" developed by Andrew Bartholomew(`http://www.layer8.co.uk/maths/draw/index.htm#Running-draw`), where we modified some parts for our purpose(`https://github.com/CATsTAILs/LinksPainter`).

[2]All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

I. $I^u_1 = \langle -2u^{14}+3u^{13}+\cdots+b+3,\ -3u^{14}+5u^{13}+\cdots+2a+4,\ u^{15}-3u^{14}+\cdots+6u+2\rangle$

(i) Arc colorings

$$a_5 = \begin{pmatrix}0\\u\end{pmatrix}$$
$$a_{10} = \begin{pmatrix}1\\0\end{pmatrix}$$
$$a_7 = \begin{pmatrix}\frac{3}{2}u^{14}-\frac{5}{2}u^{13}+\cdots-\frac{17}{2}u-2\\2u^{14}-3u^{13}+\cdots-10u-3\end{pmatrix}$$
$$a_{11} = \begin{pmatrix}1\\u^2\end{pmatrix}$$
$$a_{12} = \begin{pmatrix}\frac{1}{2}u^{14}-\frac{1}{2}u^{13}+\cdots-\frac{5}{2}u^2-\frac{7}{2}u\\2u^{14}-3u^{13}+\cdots-11u-3\end{pmatrix}$$
$$a_4 = \begin{pmatrix}u\\u\end{pmatrix}$$
$$a_3 = \begin{pmatrix}-u^3+2u\\-u^5+u^3+u\end{pmatrix}$$
$$a_2 = \begin{pmatrix}\frac{1}{2}u^{14}-\frac{1}{2}u^{13}+\cdots-\frac{3}{2}u-1\\2u^{14}-3u^{13}+\cdots-10u-3\end{pmatrix}$$
$$a_1 = \begin{pmatrix}\frac{3}{2}u^{14}-\frac{3}{2}u^{13}+\cdots-\frac{19}{2}u-3\\7u^{14}-11u^{13}+\cdots-39u-11\end{pmatrix}$$
$$a_6 = \begin{pmatrix}-u^5+2u^3-u\\-u^5+u^3+u\end{pmatrix}$$
$$a_9 = \begin{pmatrix}-u^2+1\\-u^2\end{pmatrix}$$
$$a_8 = \begin{pmatrix}u^{10}-5u^8+8u^6-3u^4-3u^2+1\\u^{12}-4u^{10}+4u^8+2u^6-3u^4-2u^2\end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes
$= -2u^{12}+10u^{10}+6u^9-18u^8-24u^7+2u^6+30u^5+30u^4+2u^3-22u^2-20u-24$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{15} + 27u^{14} + \cdots + 21u + 1$
c_2, c_6, c_7 c_{11}, c_{12}	$u^{15} - u^{14} + \cdots - 3u - 1$
c_3, c_5	$u^{15} + 9u^{14} + \cdots + 166u + 22$
c_4, c_9, c_{10}	$u^{15} - 3u^{14} + \cdots + 6u + 2$
c_8	$u^{15} + 3u^{14} + \cdots + 326u + 178$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{15} - 91y^{14} + \cdots + 125y - 1$
c_2, c_6, c_7 c_{11}, c_{12}	$y^{15} - 27y^{14} + \cdots + 21y - 1$
c_3, c_5	$y^{15} + 7y^{14} + \cdots + 5336y - 484$
c_4, c_9, c_{10}	$y^{15} - 13y^{14} + \cdots + 40y - 4$
c_8	$y^{15} - 73y^{14} + \cdots - 18680y - 31684$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.933456 + 0.545096I$ $a = 1.35570 - 0.53655I$ $b = 2.15361 - 1.54045I$	$-16.1665 - 1.0397I$	$-16.7131 - 1.0217I$
$u = -0.933456 - 0.545096I$ $a = 1.35570 + 0.53655I$ $b = 2.15361 + 1.54045I$	$-16.1665 + 1.0397I$	$-16.7131 + 1.0217I$
$u = -0.269872 + 0.870864I$ $a = -2.11208 + 1.63104I$ $b = 0.313757 + 0.153473I$	$-14.1086 + 6.0067I$	$-14.4990 - 3.2830I$
$u = -0.269872 - 0.870864I$ $a = -2.11208 - 1.63104I$ $b = 0.313757 - 0.153473I$	$-14.1086 - 6.0067I$	$-14.4990 + 3.2830I$
$u = -0.027957 + 0.721725I$ $a = 0.449087 - 1.012280I$ $b = 0.210760 + 0.156059I$	$2.42887 + 1.37514I$	$-7.68727 - 5.21222I$
$u = -0.027957 - 0.721725I$ $a = 0.449087 + 1.012280I$ $b = 0.210760 - 0.156059I$	$2.42887 - 1.37514I$	$-7.68727 + 5.21222I$
$u = -1.269950 + 0.268466I$ $a = -0.329692 - 0.304561I$ $b = -1.118860 - 0.755791I$	$-1.39715 + 2.17673I$	$-12.08651 + 0.76556I$
$u = -1.269950 - 0.268466I$ $a = -0.329692 + 0.304561I$ $b = -1.118860 + 0.755791I$	$-1.39715 - 2.17673I$	$-12.08651 - 0.76556I$
$u = 1.31650$ $a = -0.714575$ $b = -0.728053$	-5.38119	-18.1900
$u = 1.289830 + 0.310526I$ $a = 0.355754 - 0.895009I$ $b = 0.71766 - 1.39362I$	$-1.68505 - 5.12171I$	$-12.9962 + 7.9827I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.289830 - 0.310526I$ $a = 0.355754 + 0.895009I$ $b = 0.71766 + 1.39362I$	$-1.68505 + 5.12171I$	$-12.9962 - 7.9827I$
$u = 1.43481 + 0.35867I$ $a = 0.18363 + 1.96597I$ $b = 0.25436 + 4.36591I$	$-19.5375 - 10.4475I$	$-18.0265 + 4.5376I$
$u = 1.43481 - 0.35867I$ $a = 0.18363 - 1.96597I$ $b = 0.25436 - 4.36591I$	$-19.5375 + 10.4475I$	$-18.0265 - 4.5376I$
$u = 1.53735$ $a = 0.453716$ $b = -1.08285$	14.6944	−19.9400
$u = -0.300672$ $a = 0.456072$ $b = -0.251678$	−0.497687	−19.8530

II. $\boldsymbol{I_2^u = \langle -u^3a - u^2a - u^3 + au - u^2 + b - a + u,\ 2u^4a + 2u^4 + \cdots + a + 1,\ u^5 + u^4 - 2u^3 - u^2 + u - 1\rangle}$

(i) Arc colorings

$$a_5 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} a \\ u^3a + u^2a + u^3 - au + u^2 + a - u \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} -u^4a - u^3a + u^2a - 2u^3 + au - u^2 + 3u + 1 \\ -u^4a + u^4 + u^2a - u^3 - u^2 + 2u \end{pmatrix}$$
$$a_4 = \begin{pmatrix} u \\ u \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u^3 + 2u \\ u^4 - u^3 - u^2 + 2u - 1 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} u^3a + u^2a + u^3 - au + u^2 - u \\ u^3a + u^2a + u^3 - au + u^2 + a - u \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -u^4a + u^3a + 3u^2a + 2u^3 - au + u^2 - 3u + 1 \\ -2u^4a + 2u^3a - 2u^4 + 4u^2a + 2u^3 - 3au + 4u^2 + 2a - 4u + 2 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} u^4 - u^2 - 1 \\ u^4 - u^3 - u^2 + 2u - 1 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -u^2 + 1 \\ -u^2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -2u^2 + 2 \\ -2u^2 + u \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -4u^3 + 8u - 18$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{10} + 13u^9 + \cdots + 536u + 49$
c_2, c_6, c_7 c_{11}, c_{12}	$u^{10} - u^9 - 6u^8 + 4u^7 + 18u^6 - 8u^5 - 31u^4 + 13u^3 + 28u^2 - 12u - 7$
c_3, c_5	$(u^5 - 3u^4 + 4u^3 - u^2 - u + 1)^2$
c_4, c_9, c_{10}	$(u^5 + u^4 - 2u^3 - u^2 + u - 1)^2$
c_8	$(u^5 - u^4 + 2u^3 - u^2 + u - 1)^2$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{10} - 9y^9 + \cdots - 137356y + 2401$
c_2, c_6, c_7 c_{11}, c_{12}	$y^{10} - 13y^9 + \cdots - 536y + 49$
c_3, c_5	$(y^5 - y^4 + 8y^3 - 3y^2 + 3y - 1)^2$
c_4, c_9, c_{10}	$(y^5 - 5y^4 + 8y^3 - 3y^2 - y - 1)^2$
c_8	$(y^5 + 3y^4 + 4y^3 + y^2 - y - 1)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 1.21774$ $a = -0.591829$ $b = 0.253452$	-5.69095	-15.4810
$u = 1.21774$ $a = -1.53344$ $b = -2.63815$	-5.69095	-15.4810
$u = 0.309916 + 0.549911I$ $a = -1.031800 - 0.275887I$ $b = -1.067230 - 0.057202I$	$-3.61897 - 1.53058I$	$-14.5151 + 4.4306I$
$u = 0.309916 + 0.549911I$ $a = 0.68255 + 2.69529I$ $b = -0.024468 + 0.261280I$	$-3.61897 - 1.53058I$	$-14.5151 + 4.4306I$
$u = 0.309916 - 0.549911I$ $a = -1.031800 + 0.275887I$ $b = -1.067230 + 0.057202I$	$-3.61897 + 1.53058I$	$-14.5151 - 4.4306I$
$u = 0.309916 - 0.549911I$ $a = 0.68255 - 2.69529I$ $b = -0.024468 - 0.261280I$	$-3.61897 + 1.53058I$	$-14.5151 - 4.4306I$
$u = -1.41878 + 0.21917I$ $a = -0.310913 - 0.768355I$ $b = 0.556241 - 1.005760I$	$-9.16243 + 4.40083I$	$-18.7443 - 3.4986I$
$u = -1.41878 + 0.21917I$ $a = 0.72280 + 1.60293I$ $b = 1.22781 + 3.58963I$	$-9.16243 + 4.40083I$	$-18.7443 - 3.4986I$
$u = -1.41878 - 0.21917I$ $a = -0.310913 + 0.768355I$ $b = 0.556241 + 1.005760I$	$-9.16243 - 4.40083I$	$-18.7443 + 3.4986I$
$u = -1.41878 - 0.21917I$ $a = 0.72280 - 1.60293I$ $b = 1.22781 - 3.58963I$	$-9.16243 - 4.40083I$	$-18.7443 + 3.4986I$

III. $\boldsymbol{I_3^u = \langle u^3 + 2u^2 + b - 2u - 2,\ 2u^3 + 3u^2 + 3a - 3u - 3,\ u^4 - 3u^2 + 3\rangle}$

(i) Arc colorings

$$a_5 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -\frac{2}{3}u^3 - u^2 + u + 1 \\ -u^3 - 2u^2 + 2u + 2 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} \frac{2}{3}u^3 + u^2 - u \\ u^3 + 3u^2 - 2u - 2 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} u \\ u \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u^3 + 2u \\ -2u^3 + 4u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -\frac{1}{3}u^3 + u^2 + u - 1 \\ -u^3 + 2u^2 + 2u - 2 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} \frac{2}{3}u^3 + u^2 - u - 1 \\ u^3 + 2u^2 - 2u - 2 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -u^3 + 2u \\ -2u^3 + 4u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -u^2 + 1 \\ -u^2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= 4u^2 - 24$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2, c_7	$(u-1)^4$
c_3, c_5, c_8	u^4+3u^2+3
c_4, c_9, c_{10}	u^4-3u^2+3
c_6, c_{11}, c_{12}	$(u+1)^4$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_6 c_7, c_{11}, c_{12}	$(y-1)^4$
c_3, c_5, c_8	$(y^2+3y+3)^2$
c_4, c_9, c_{10}	$(y^2-3y+3)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = \quad 1.271230 + 0.340625I$ $a = -0.30334 - 1.59997I$ $b = -0.06940 - 2.66266I$	$-3.28987 - 4.05977I$	$-18.0000 + 3.4641I$
$u = \quad 1.271230 - 0.340625I$ $a = -0.30334 + 1.59997I$ $b = -0.06940 + 2.66266I$	$-3.28987 + 4.05977I$	$-18.0000 - 3.4641I$
$u = -1.271230 + 0.340625I$ $a = -0.696660 + 0.132080I$ $b = -1.93060 + 0.80145I$	$-3.28987 + 4.05977I$	$-18.0000 - 3.4641I$
$u = -1.271230 - 0.340625I$ $a = -0.696660 - 0.132080I$ $b = -1.93060 - 0.80145I$	$-3.28987 - 4.05977I$	$-18.0000 + 3.4641I$

IV. $I^u_4 = \langle u^3 + b,\ u^2 + a + u - 1,\ u^4 - u^2 - 1\rangle$

(i) Arc colorings

$$a_5 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -u^2 - u + 1 \\ -u^3 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} -u^2 - u + 2 \\ -u^3 + u^2 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} u \\ u \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u^3 + 2u \\ 0 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -u^3 - u^2 + u + 1 \\ -u^3 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -u^2 - u + 1 \\ -u^3 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} u^3 - 2u \\ 0 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} -u^2 + 1 \\ -u^2 \end{pmatrix}$$
$$a_8 = \begin{pmatrix} -1 \\ -u^2 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -4u^2 - 16$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_6, c_{11} c_{12}	$(u-1)^4$
c_2, c_7	$(u+1)^4$
c_3, c_5, c_8	u^4+u^2-1
c_4, c_9, c_{10}	u^4-u^2-1

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_6 c_7, c_{11}, c_{12}	$(y-1)^4$
c_3, c_5, c_8	$(y^2+y-1)^2$
c_4, c_9, c_{10}	$(y^2-y-1)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_4^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.786151I$ $a = 1.61803 - 0.78615I$ $b = 0.485868I$	0.657974	-13.5280
$u = -0.786151I$ $a = 1.61803 + 0.78615I$ $b = -0.485868I$	0.657974	-13.5280
$u = 1.27202$ $a = -1.89005$ $b = -2.05817$	-7.23771	-22.4720
$u = -1.27202$ $a = 0.653986$ $b = 2.05817$	-7.23771	-22.4720

V. $I_1^v = \langle a,\ b+1,\ v+1\rangle$

(i) Arc colorings

$a_5 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$

$a_{10} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$

$a_7 = \begin{pmatrix} 0 \\ -1 \end{pmatrix}$

$a_{11} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$

$a_{12} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$

$a_4 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$

$a_3 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$

$a_2 = \begin{pmatrix} -1 \\ 1 \end{pmatrix}$

$a_1 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$

$a_6 = \begin{pmatrix} -1 \\ 0 \end{pmatrix}$

$a_9 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$

$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -12$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_2, c_7	$u - 1$
c_3, c_4, c_5 c_8, c_9, c_{10}	u
c_6, c_{11}, c_{12}	$u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_6 c_7, c_{11}, c_{12}	$y - 1$
c_3, c_4, c_5 c_8, c_9, c_{10}	y

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^v	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$v = -1.00000$ $a = \quad 0$ $b = -1.00000$	-3.28987	-12.0000

VI. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u-1)^9)(u^{10}+13u^9+\cdots+536u+49)(u^{15}+27u^{14}+\cdots+21u+1)$
c_2, c_7	$(u-1)^5(u+1)^4$ $\cdot(u^{10}-u^9-6u^8+4u^7+18u^6-8u^5-31u^4+13u^3+28u^2-12u-7)$ $\cdot(u^{15}-u^{14}+\cdots-3u-1)$
c_3, c_5	$u(u^4+u^2-1)(u^4+3u^2+3)(u^5-3u^4+4u^3-u^2-u+1)^2$ $\cdot(u^{15}+9u^{14}+\cdots+166u+22)$
c_4, c_9, c_{10}	$u(u^4-3u^2+3)(u^4-u^2-1)(u^5+u^4-2u^3-u^2+u-1)^2$ $\cdot(u^{15}-3u^{14}+\cdots+6u+2)$
c_6, c_{11}, c_{12}	$(u-1)^4(u+1)^5$ $\cdot(u^{10}-u^9-6u^8+4u^7+18u^6-8u^5-31u^4+13u^3+28u^2-12u-7)$ $\cdot(u^{15}-u^{14}+\cdots-3u-1)$
c_8	$u(u^4+u^2-1)(u^4+3u^2+3)(u^5-u^4+2u^3-u^2+u-1)^2$ $\cdot(u^{15}+3u^{14}+\cdots+326u+178)$

VII. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$((y-1)^9)(y^{10}-9y^9+\cdots-137356y+2401)$ $\cdot(y^{15}-91y^{14}+\cdots+125y-1)$
c_2, c_6, c_7 c_{11}, c_{12}	$((y-1)^9)(y^{10}-13y^9+\cdots-536y+49)(y^{15}-27y^{14}+\cdots+21y-1)$
c_3, c_5	$y(y^2+y-1)^2(y^2+3y+3)^2(y^5-y^4+8y^3-3y^2+3y-1)^2$ $\cdot(y^{15}+7y^{14}+\cdots+5336y-484)$
c_4, c_9, c_{10}	$y(y^2-3y+3)^2(y^2-y-1)^2(y^5-5y^4+8y^3-3y^2-y-1)^2$ $\cdot(y^{15}-13y^{14}+\cdots+40y-4)$
c_8	$y(y^2+y-1)^2(y^2+3y+3)^2(y^5+3y^4+4y^3+y^2-y-1)^2$ $\cdot(y^{15}-73y^{14}+\cdots-18680y-31684)$