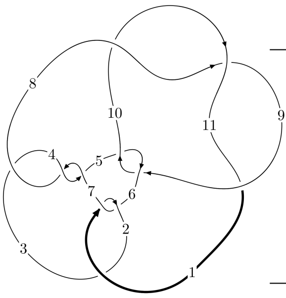
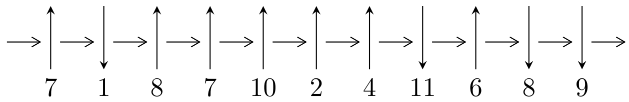
$11n_{98}$ ($K11n_{98}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$\begin{aligned}
I^u_1 &= \langle -325810u^{16} + 546213u^{15} + \cdots + 3637114b - 2536642,\\
&\quad -877137u^{16} + 1987958u^{15} + \cdots + 7274228a - 10784281,\ u^{17} - 2u^{16} + \cdots + 13u - 4\rangle\\
I^u_2 &= \langle -u^{10} + u^9 + 4u^8 - 3u^7 - 6u^6 + 2u^5 + 2u^4 - u^2a + 3u^3 + 3u^2 + b + a - 3u - 2,\ 2u^{10} - 5u^9 + \cdots - 4a + 5,\\
&\quad u^{11} - u^{10} - 4u^9 + 3u^8 + 6u^7 - 2u^6 - 2u^5 - 3u^4 - 3u^3 + 3u^2 + 2u + 1\rangle\\
I^u_3 &= \langle au + b + a + 2u + 3,\ a^2 + 2au + 4a + 2u + 6,\ u^2 + u - 1\rangle\\
I^u_4 &= \langle b - 1,\ 2a - 1,\ u - 1\rangle
\end{aligned}$$

* 4 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 44 representations.

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[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.
$\boldsymbol{I_1^u = \langle -3.26\times 10^5 u^{16} + 5.46\times 10^5 u^{15} + \cdots + 3.64\times 10^6 b - 2.54\times 10^6,\ -8.77\times 10^5 u^{16} + 1.99\times 10^6 u^{15} + \cdots + 7.27\times 10^6 a - 1.08\times 10^7,\ u^{17} - 2u^{16} + \cdots + 13u - 4\rangle}$

(i) Arc colorings

$$a_8 = \begin{pmatrix}1\\0\end{pmatrix}$$
$$a_{11} = \begin{pmatrix}0\\u\end{pmatrix}$$
$$a_9 = \begin{pmatrix}1\\u^2\end{pmatrix}$$
$$a_1 = \begin{pmatrix}-u\\-u^3+u\end{pmatrix}$$
$$a_4 = \begin{pmatrix}0.120581u^{16} - 0.273288u^{15} + \cdots - 0.0580715u + 1.48253\\0.0895793u^{16} - 0.150178u^{15} + \cdots + 0.0542218u + 0.697433\end{pmatrix}$$
$$a_3 = \begin{pmatrix}0.0310022u^{16} - 0.123110u^{15} + \cdots - 0.112293u + 0.785100\\0.0895793u^{16} - 0.150178u^{15} + \cdots + 0.0542218u + 0.697433\end{pmatrix}$$
$$a_2 = \begin{pmatrix}0.239444u^{16} - 0.304221u^{15} + \cdots - 1.56094u + 1.51558\\0.205575u^{16} - 0.224465u^{15} + \cdots - 0.728410u + 0.910041\end{pmatrix}$$
$$a_7 = \begin{pmatrix}0.235464u^{16} - 0.270574u^{15} + \cdots - 0.673677u + 2.19687\\0.182621u^{16} - 0.156800u^{15} + \cdots - 1.28067u + 0.925424\end{pmatrix}$$
$$a_5 = \begin{pmatrix}0.360026u^{16} - 0.577509u^{15} + \cdots - 0.619016u + 2.99812\\0.295154u^{16} - 0.374642u^{15} + \cdots - 1.67419u + 1.60747\end{pmatrix}$$
$$a_6 = \begin{pmatrix}0.474993u^{16} - 0.539864u^{15} + \cdots - 1.82912u + 3.29061\\0.410121u^{16} - 0.336997u^{15} + \cdots - 2.88429u + 1.89997\end{pmatrix}$$
$$a_{10} = \begin{pmatrix}u\\u\end{pmatrix}$$
$$a_{10} = \begin{pmatrix}u\\u\end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= \frac{9594931}{7274228}u^{16} - \frac{15193461}{7274228}u^{15} + \cdots + \frac{10670363}{7274228}u + \frac{21150807}{1818557}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_4 c_6, c_7	$u^{17} - u^{16} + \cdots - 4u^2 - 1$
c_2	$u^{17} + 5u^{16} + \cdots - 8u - 1$
c_5, c_9	$u^{17} - 3u^{16} + \cdots + 22u - 8$
c_8, c_{10}, c_{11}	$u^{17} - 2u^{16} + \cdots + 13u - 4$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_4 c_6, c_7	$y^{17} + 5y^{16} + \cdots - 8y - 1$
c_2	$y^{17} + 13y^{16} + \cdots - 12y - 1$
c_5, c_9	$y^{17} + 9y^{16} + \cdots - 12y - 64$
c_8, c_{10}, c_{11}	$y^{17} - 16y^{16} + \cdots + 209y - 16$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.240053 + 0.973100I$ $a = 0.644042 - 0.652010I$ $b = -0.678341 - 1.093890I$	$0.65577 + 8.75138I$	$0.84209 - 7.19652I$
$u = -0.240053 - 0.973100I$ $a = 0.644042 + 0.652010I$ $b = -0.678341 + 1.093890I$	$0.65577 - 8.75138I$	$0.84209 + 7.19652I$
$u = -0.911746 + 0.271963I$ $a = 0.521420 - 0.719384I$ $b = -0.187558 - 0.379982I$	$-1.69658 + 0.80451I$	$-2.69480 - 2.52231I$
$u = -0.911746 - 0.271963I$ $a = 0.521420 + 0.719384I$ $b = -0.187558 + 0.379982I$	$-1.69658 - 0.80451I$	$-2.69480 + 2.52231I$
$u = 1.114510 + 0.218797I$ $a = 0.635665 + 0.251760I$ $b = 1.157790 + 0.487195I$	$0.354258 - 0.834124I$	$0.06498 + 5.84789I$
$u = 1.114510 - 0.218797I$ $a = 0.635665 - 0.251760I$ $b = 1.157790 - 0.487195I$	$0.354258 + 0.834124I$	$0.06498 - 5.84789I$
$u = -1.030910 + 0.649737I$ $a = -0.466920 + 0.601803I$ $b = -0.583285 + 0.914805I$	$-1.75655 - 3.15519I$	$-1.08772 + 4.41422I$
$u = -1.030910 - 0.649737I$ $a = -0.466920 - 0.601803I$ $b = -0.583285 - 0.914805I$	$-1.75655 + 3.15519I$	$-1.08772 - 4.41422I$
$u = 0.248382 + 0.709434I$ $a = -0.785996 - 0.998686I$ $b = 0.784905 - 0.787523I$	$2.78581 - 2.60100I$	$4.98680 + 3.49505I$
$u = 0.248382 - 0.709434I$ $a = -0.785996 + 0.998686I$ $b = 0.784905 + 0.787523I$	$2.78581 + 2.60100I$	$4.98680 - 3.49505I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -1.44333 + 0.29962I$ $a = -0.27964 + 2.02194I$ $b = 0.606656 + 1.025000I$	$-2.68580 + 6.31167I$	$-1.34813 - 5.64607I$
$u = -1.44333 - 0.29962I$ $a = -0.27964 - 2.02194I$ $b = 0.606656 - 1.025000I$	$-2.68580 - 6.31167I$	$-1.34813 + 5.64607I$
$u = 1.43553 + 0.42213I$ $a = 0.59170 + 1.89308I$ $b = -0.678472 + 1.240020I$	$-4.6382 - 13.7590I$	$-2.60534 + 8.09148I$
$u = 1.43553 - 0.42213I$ $a = 0.59170 - 1.89308I$ $b = -0.678472 - 1.240020I$	$-4.6382 + 13.7590I$	$-2.60534 - 8.09148I$
$u = 1.67968 + 0.04846I$ $a = -0.20221 - 1.49330I$ $b = -0.239314 - 0.869369I$	$-11.59490 + 1.04318I$	$-1.35194 - 7.04363I$
$u = 1.67968 - 0.04846I$ $a = -0.20221 + 1.49330I$ $b = -0.239314 + 0.869369I$	$-11.59490 - 1.04318I$	$-1.35194 + 7.04363I$
$u = 0.295856$ $a = 1.43389$ $b = 0.635251$	0.963952	10.6380

II.

$$I_2^u = \langle -u^{10}+u^9+\cdots+a-2,\ 2u^{10}-5u^9+\cdots-4a+5,\ u^{11}-u^{10}+\cdots+2u+1\rangle$$

(i) Arc colorings

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

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

$$a_9 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -u \\ -u^3+u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} a \\ u^{10}-u^9-4u^8+3u^7+6u^6-2u^5-2u^4+u^2a-3u^3-3u^2-a+3u+2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u^{10}+u^9+\cdots+2a-2 \\ u^{10}-u^9-4u^8+3u^7+6u^6-2u^5-2u^4+u^2a-3u^3-3u^2-a+3u+2 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -u^{10}+u^9+\cdots+2a-2 \\ u^{10}-u^9+\cdots-a+2 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u^{10}a+2u^{10}+\cdots-2a+3 \\ -u^5a-u^6+2u^3a+2u^4-au-2 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} u^7-2u^5+2u \\ u^9-3u^7+3u^5-u \end{pmatrix}$$

$$a_6 = \begin{pmatrix} u^{10}-3u^8+2u^6+3u^4-3u^2-1 \\ u^{10}+u^9-3u^8-4u^7+2u^6+5u^5+3u^4-3u^2-3u-1 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u \\ u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u \\ u \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= 4u^9-16u^7-4u^6+20u^5+12u^4+4u^3-8u^2-20u-6$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_3, c_4 c_6, c_7	$u^{22} + 3u^{21} + \cdots + 24u + 9$
c_2	$u^{22} + 11u^{21} + \cdots + 432u + 81$
c_5, c_9	$(u^{11} + u^{10} + 2u^9 + u^8 + 4u^7 + 2u^6 + 4u^5 + u^4 + 3u^3 - u^2 - 1)^2$
c_8, c_{10}, c_{11}	$(u^{11} - u^{10} - 4u^9 + 3u^8 + 6u^7 - 2u^6 - 2u^5 - 3u^4 - 3u^3 + 3u^2 + 2u + 1)^2$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_4 c_6, c_7	$y^{22} + 11y^{21} + \cdots + 432y + 81$
c_2	$y^{22} - y^{21} + \cdots + 35640y + 6561$
c_5, c_9	$(y^{11} + 3y^{10} + \cdots - 2y - 1)^2$
c_8, c_{10}, c_{11}	$(y^{11} - 9y^{10} + \cdots - 2y - 1)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.14725$ $a=-2.18308+3.31504I$ $b=\ \ 0.181376+1.048190I$	-5.48524	0.376260
$u=-1.14725$ $a=-2.18308-3.31504I$ $b=\ \ 0.181376-1.048190I$	-5.48524	0.376260
$u=-0.044199+0.849205I$ $a=\ \ 0.547434+0.348829I$ $b=-0.853835+0.533591I$	$2.35273+3.04152I$	$4.06121-2.82242I$
$u=-0.044199+0.849205I$ $a=-0.372720+0.162477I$ $b=\ \ 0.714099+0.923041I$	$2.35273+3.04152I$	$4.06121-2.82242I$
$u=-0.044199-0.849205I$ $a=\ \ 0.547434-0.348829I$ $b=-0.853835-0.533591I$	$2.35273-3.04152I$	$4.06121+2.82242I$
$u=-0.044199-0.849205I$ $a=-0.372720-0.162477I$ $b=\ \ 0.714099-0.923041I$	$2.35273-3.04152I$	$4.06121+2.82242I$
$u=-1.232090+0.392876I$ $a=\ \ 0.674566-0.370203I$ $b=\ \ 0.623653-0.552777I$	$-1.31282+1.41699I$	$0.791306-0.633731I$
$u=-1.232090+0.392876I$ $a=\ \ 0.48177-1.51619I$ $b=-0.555909-0.782909I$	$-1.31282+1.41699I$	$0.791306-0.633731I$
$u=-1.232090-0.392876I$ $a=\ \ 0.674566+0.370203I$ $b=\ \ 0.623653+0.552777I$	$-1.31282-1.41699I$	$0.791306+0.633731I$
$u=-1.232090-0.392876I$ $a=\ \ 0.48177+1.51619I$ $b=-0.555909+0.782909I$	$-1.31282-1.41699I$	$0.791306+0.633731I$

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 1.317220 + 0.129556I$ $a = 0.469425 + 0.990105I$ $b = -0.752651 + 0.945347I$	$-8.47148 - 2.94672I$	$-5.79937 + 4.11787I$
$u = 1.317220 + 0.129556I$ $a = -0.15850 - 2.09923I$ $b = -0.14927 - 1.48798I$	$-8.47148 - 2.94672I$	$-5.79937 + 4.11787I$
$u = 1.317220 - 0.129556I$ $a = 0.469425 - 0.990105I$ $b = -0.752651 - 0.945347I$	$-8.47148 + 2.94672I$	$-5.79937 - 4.11787I$
$u = 1.317220 - 0.129556I$ $a = -0.15850 + 2.09923I$ $b = -0.14927 + 1.48798I$	$-8.47148 + 2.94672I$	$-5.79937 - 4.11787I$
$u = 1.304640 + 0.385413I$ $a = -0.579828 + 0.055525I$ $b = -1.081770 - 0.344108I$	$-1.85809 - 7.47524I$	$-0.22908 + 5.55460I$
$u = 1.304640 + 0.385413I$ $a = -0.45041 - 1.69192I$ $b = 0.747184 - 1.181250I$	$-1.85809 - 7.47524I$	$-0.22908 + 5.55460I$
$u = 1.304640 - 0.385413I$ $a = -0.579828 - 0.055525I$ $b = -1.081770 + 0.344108I$	$-1.85809 + 7.47524I$	$-0.22908 - 5.55460I$
$u = 1.304640 - 0.385413I$ $a = -0.45041 + 1.69192I$ $b = 0.747184 + 1.181250I$	$-1.85809 + 7.47524I$	$-0.22908 - 5.55460I$
$u = -0.271947 + 0.385187I$ $a = 1.270550 + 0.259399I$ $b = -0.087548 + 1.187670I$	$-3.59460 + 1.13130I$	$-0.01220 - 6.05785I$
$u = -0.271947 + 0.385187I$ $a = 1.80079 + 2.03466I$ $b = -0.285332 - 0.830788I$	$-3.59460 + 1.13130I$	$-0.01220 - 6.05785I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.271947 - 0.385187I$ $a = \quad 1.270550 - 0.259399I$ $b = -0.087548 - 1.187670I$	$-3.59460 - 1.13130I$	$-0.01220 + 6.05785I$
$u = -0.271947 - 0.385187I$ $a = \quad 1.80079 - 2.03466I$ $b = -0.285332 + 0.830788I$	$-3.59460 - 1.13130I$	$-0.01220 + 6.05785I$

III. $\boldsymbol{I_3^u = \langle au + b + a + 2u + 3,\ a^2 + 2au + 4a + 2u + 6,\ u^2 + u - 1\rangle}$

(i) Arc colorings

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1 \\ -u+1 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -u \\ -u+1 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} a \\ -au - a - 2u - 3 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} au + 2a + 2u + 3 \\ -au - a - 2u - 3 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} au + 2a + u + 3 \\ -au - a - 3u - 2 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} 2au + 3a + 6u + 9 \\ -1 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} -au - a - 2u - 3 \\ 0 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -a - u - 2 \\ au + u + 1 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} u \\ u \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} u \\ u \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -8$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = \ 0.618034$ $a = -2.61803 + 0.61803I$ $b = \ - 1.000000I$	-4.27683	-8.00000
$u = \ 0.618034$ $a = -2.61803 - 0.61803I$ $b = \ 1.000000I$	-4.27683	-8.00000
$u = -1.61803$ $a = -0.38197 + 1.61803I$ $b = \ 1.000000I$	-12.1725	-8.00000
$u = -1.61803$ $a = -0.38197 - 1.61803I$ $b = \ - 1.000000I$	-12.1725	-8.00000

IV. $I_4^u = \langle b-1,\ 2a-1,\ u-1 \rangle$

(i) Arc colorings

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

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

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

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

$a_4 = \begin{pmatrix} 0.5 \\ 1 \end{pmatrix}$

$a_3 = \begin{pmatrix} -0.5 \\ 1 \end{pmatrix}$

$a_2 = \begin{pmatrix} 0.5 \\ 1 \end{pmatrix}$

$a_7 = \begin{pmatrix} 1.5 \\ 1 \end{pmatrix}$

$a_5 = \begin{pmatrix} 2 \\ 2 \end{pmatrix}$

$a_6 = \begin{pmatrix} 2 \\ 2 \end{pmatrix}$

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

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

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -2.25$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_4^u		$\sqrt{-1}(\mathrm{vol} + \sqrt{-1}CS)$	Cusp shape
$u =$	1.00000		
$a =$	0.500000	0	-2.25000
$b =$	1.00000		

V. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1, c_3, c_4	$(u+1)(u^2+1)^2(u^{17}-u^{16}+\cdots-4u^2-1)(u^{22}+3u^{21}+\cdots+24u+9)$
c_2	$(u-1)(u+1)^4(u^{17}+5u^{16}+\cdots-8u-1)$ $\cdot(u^{22}+11u^{21}+\cdots+432u+81)$
c_5, c_9	$u(u^4+3u^2+1)$ $\cdot(u^{11}+u^{10}+2u^9+u^8+4u^7+2u^6+4u^5+u^4+3u^3-u^2-1)^2$ $\cdot(u^{17}-3u^{16}+\cdots+22u-8)$
c_6, c_7	$(u-1)(u^2+1)^2(u^{17}-u^{16}+\cdots-4u^2-1)(u^{22}+3u^{21}+\cdots+24u+9)$
c_8	$(u-1)(u^2+u-1)^2$ $\cdot(u^{11}-u^{10}-4u^9+3u^8+6u^7-2u^6-2u^5-3u^4-3u^3+3u^2+2u+1)^2$ $\cdot(u^{17}-2u^{16}+\cdots+13u-4)$
c_{10}, c_{11}	$(u+1)(u^2-u-1)^2$ $\cdot(u^{11}-u^{10}-4u^9+3u^8+6u^7-2u^6-2u^5-3u^4-3u^3+3u^2+2u+1)^2$ $\cdot(u^{17}-2u^{16}+\cdots+13u-4)$

VI. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_3, c_4 c_6, c_7	$(y-1)(y+1)^4(y^{17}+5y^{16}+\cdots-8y-1)$ $\cdot\,(y^{22}+11y^{21}+\cdots+432y+81)$
c_2	$((y-1)^5)(y^{17}+13y^{16}+\cdots-12y-1)$ $\cdot\,(y^{22}-y^{21}+\cdots+35640y+6561)$
c_5, c_9	$y(y^2+3y+1)^2(y^{11}+3y^{10}+\cdots-2y-1)^2$ $\cdot\,(y^{17}+9y^{16}+\cdots-12y-64)$
c_8, c_{10}, c_{11}	$(y-1)(y^2-3y+1)^2(y^{11}-9y^{10}+\cdots-2y-1)^2$ $\cdot\,(y^{17}-16y^{16}+\cdots+209y-16)$