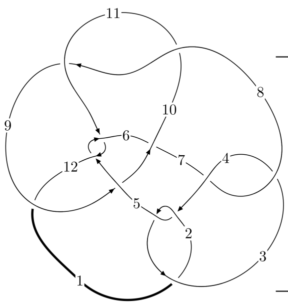
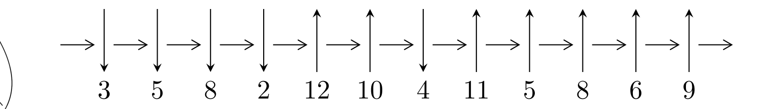
$12n_{0210}$ ($K12n_{0210}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle 7u^{16} - 135u^{15} + \cdots + 256b - 55,\ 79u^{16} - 1263u^{15} + \cdots + 256a - 1471,\ u^{17} - 16u^{16} + \cdots - 11u - 1\rangle$$

$$\begin{aligned} I_2^u = \langle &2202374768a^8 + 48817422261799b + \cdots + 3048286097801a + 1155541803378, \\ &a^9 + 3a^8 + 20a^7 + 27a^6 + 39a^5 + 35a^4 + 54a^3 + 232a^2 + 63a + 557,\ u + 1\rangle \end{aligned}$$

$$I_3^u = \langle b,\ u^7 - 2u^6 - 2u^5 + 4u^4 + 2u^3 - 2u^2 + a - 2,\ u^8 - u^7 - 3u^6 + 2u^5 + 3u^4 - 2u - 1\rangle$$

* 3 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. $\boldsymbol{I^u_1 = \langle 7u^{16} - 135u^{15} + \cdots + 256b - 55,\ 79u^{16} - 1263u^{15} + \cdots + 256a - 1471,\ u^{17} - 16u^{16} + \cdots - 11u - 1\rangle}$

(i) Arc colorings

$$a_8 = \begin{pmatrix}1\\0\end{pmatrix}$$
$$a_{11} = \begin{pmatrix}0\\u\end{pmatrix}$$
$$a_4 = \begin{pmatrix}-0.308594u^{16} + 4.93359u^{15} + \cdots - 74.1016u + 5.74609\\-0.0273438u^{16} + 0.527344u^{15} + \cdots - 1.53906u + 0.214844\end{pmatrix}$$
$$a_9 = \begin{pmatrix}1\\-u^2\end{pmatrix}$$
$$a_3 = \begin{pmatrix}-0.335938u^{16} + 5.46094u^{15} + \cdots - 75.6406u + 5.96094\\-0.0273438u^{16} + 0.527344u^{15} + \cdots - 1.53906u + 0.214844\end{pmatrix}$$
$$a_7 = \begin{pmatrix}0.0898438u^{16} - 1.35547u^{15} + \cdots - 24.3828u - 4.87109\\-0.0390625u^{16} + 0.578125u^{15} + \cdots + 3.41406u - 0.0468750\end{pmatrix}$$
$$a_{10} = \begin{pmatrix}-u\\u\end{pmatrix}$$
$$a_6 = \begin{pmatrix}0.0546875u^{16} - 0.843750u^{15} + \cdots - 24.8203u - 4.90625\\-0.00390625u^{16} + 0.0664063u^{15} + \cdots + 3.85156u - 0.0117188\end{pmatrix}$$
$$a_{12} = \begin{pmatrix}-0.375000u^{16} + 5.94531u^{15} + \cdots + 5.21094u - 1.42969\\0.0429688u^{16} - 0.675781u^{15} + \cdots + 3.79688u + 0.199219\end{pmatrix}$$
$$a_1 = \begin{pmatrix}-0.332031u^{16} + 5.27734u^{15} + \cdots + 8.03125u - 1.28516\\-0.0625000u^{16} + 0.617188u^{15} + \cdots + 3.53906u + 0.179688\end{pmatrix}$$
$$a_5 = \begin{pmatrix}0.121094u^{16} - 1.99609u^{15} + \cdots + 25.7266u - 2.05859\\0.0585938u^{16} - 0.871094u^{15} + \cdots + 0.726563u - 0.121094\end{pmatrix}$$
$$a_2 = \begin{pmatrix}-0.242188u^{16} + 3.99219u^{15} + \cdots - 51.4531u + 4.11719\\-0.0585938u^{16} + 0.871094u^{15} + \cdots - 0.726563u + 0.121094\end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= \frac{39}{128}u^{16} - \frac{315}{64}u^{15} + \cdots + \frac{2341}{128}u - \frac{531}{64}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{17} + 37u^{16} + \cdots + u + 1$
c_2, c_4	$u^{17} - 15u^{16} + \cdots + 3u - 1$
c_3, c_7	$u^{17} + u^{16} + \cdots + 384u - 256$
c_5, c_{11}	$u^{17} + 2u^{16} + \cdots + 3u + 1$
c_6	$u^{17} - 3u^{16} + \cdots - 167922u - 192217$
c_8, c_{10}	$u^{17} + 16u^{16} + \cdots - 11u + 1$
c_9	$u^{17} + u^{16} + \cdots - 512u - 512$
c_{12}	$u^{17} - 6u^{16} + \cdots - 19686u + 2393$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{17} - 57y^{16} + \cdots - 7859y - 1$
c_2, c_4	$y^{17} - 37y^{16} + \cdots + y - 1$
c_3, c_7	$y^{17} - 33y^{16} + \cdots + 245760y - 65536$
c_5, c_{11}	$y^{17} + 12y^{16} + \cdots + 25y - 1$
c_6	$y^{17} - 45y^{16} + \cdots + 806894237728y - 36947375089$
c_8, c_{10}	$y^{17} - 40y^{16} + \cdots + 221y - 1$
c_9	$y^{17} - 39y^{16} + \cdots + 3670016y - 262144$
c_{12}	$y^{17} - 38y^{16} + \cdots + 475084108y - 5726449$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.135290+0.215005I$ $a=-0.040636-0.276979I$ $b=-0.149177-0.310693I$	$0.959539-1.013620I$	$4.00582-0.77460I$
$u=-1.135290-0.215005I$ $a=-0.040636+0.276979I$ $b=-0.149177+0.310693I$	$0.959539+1.013620I$	$4.00582+0.77460I$
$u=-0.706391$ $a=-0.663382$ $b=-0.408620$	1.02663	10.5660
$u=-0.405211+0.413893I$ $a=\quad 0.45966+1.59259I$ $b=\quad 0.690024+0.240704I$	$-1.52593-2.30609I$	$0.84073+4.41351I$
$u=-0.405211-0.413893I$ $a=\quad 0.45966-1.59259I$ $b=\quad 0.690024-0.240704I$	$-1.52593+2.30609I$	$0.84073-4.41351I$
$u=\quad 0.079841+0.128622I$ $a=-1.81733-9.04439I$ $b=-0.634179+0.647207I$	$-4.28789-1.16759I$	$-4.15148-0.42617I$
$u=\quad 0.079841-0.128622I$ $a=-1.81733+9.04439I$ $b=-0.634179-0.647207I$	$-4.28789+1.16759I$	$-4.15148+0.42617I$
$u=-0.0625865$ $a=\quad 10.3787$ $b=\quad 0.442272$	-1.26971	-9.85470
$u=\quad 1.95602+1.08672I$ $a=-1.45768+3.13444I$ $b=\quad 2.02549-2.27905I$	$19.0196+12.9458I$	$0.98224-5.00778I$
$u=\quad 1.95602-1.08672I$ $a=-1.45768-3.13444I$ $b=\quad 2.02549+2.27905I$	$19.0196-12.9458I$	$0.98224+5.00778I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 2.05027 + 1.05712I$ $a = 1.67587 - 2.90707I$ $b = -2.13688 + 2.10608I$	$-16.2212 + 7.3387I$	$3.75665 - 2.42096I$
$u = 2.05027 - 1.05712I$ $a = 1.67587 + 2.90707I$ $b = -2.13688 - 2.10608I$	$-16.2212 - 7.3387I$	$3.75665 + 2.42096I$
$u = 2.10513 + 0.95501I$ $a = -2.03508 + 2.83272I$ $b = 2.36097 - 2.01644I$	$19.0497 + 1.6784I$	$0.985857 + 0.191287I$
$u = 2.10513 - 0.95501I$ $a = -2.03508 - 2.83272I$ $b = 2.36097 + 2.01644I$	$19.0497 - 1.6784I$	$0.985857 - 0.191287I$
$u = 2.46829 + 0.15035I$ $a = 3.58204 - 0.48409I$ $b = -3.25130 + 0.32944I$	$-0.61891 + 5.84472I$	$0.94829 - 2.62397I$
$u = 2.46829 - 0.15035I$ $a = 3.58204 + 0.48409I$ $b = -3.25130 - 0.32944I$	$-0.61891 - 5.84472I$	$0.94829 + 2.62397I$
$u = 2.53085$ $a = -3.44904$ $b = 3.15648$	3.68181	3.55300

II. $I_2^u = \langle 4.88 \times 10^{12} b + 2.20 \times 10^9 a^8 + \cdots + 3.05 \times 10^{12} a + 1.16 \times 10^{12},\ a^9 + 3a^8 + \cdots + 63a + 557,\ u + 1\rangle$

(i) Arc colorings

$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} 0 \\ -1 \end{pmatrix}$$
$$a_4 = \begin{pmatrix} a \\ -0.000451145a^8 - 0.00112473a^7 + \cdots - 0.624426a - 0.236707 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1 \\ -1 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -0.000451145a^8 - 0.00112473a^7 + \cdots + 0.375574a - 0.236707 \\ -0.000451145a^8 - 0.00112473a^7 + \cdots - 0.624426a - 0.236707 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -0.000228701a^8 + 0.00198520a^7 + \cdots + 0.208285a + 0.748712 \\ -0.000596483a^8 - 0.00336172a^7 + \cdots - 0.154624a + 0.0980179 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} 1 \\ -1 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} 0.000596483a^8 + 0.00336172a^7 + \cdots + 0.154624a - 0.0980179 \\ -0.00142167a^8 - 0.00473825a^7 + \cdots - 0.100963a + 0.944748 \end{pmatrix}$$
$$a_{12} = \begin{pmatrix} 0.00210365a^8 + 0.00495200a^7 + \cdots + 0.412355a + 0.509691 \\ -0.00180466a^8 - 0.00643986a^7 + \cdots - 0.540321a - 1.18749 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} 0.00240264a^8 + 0.00346415a^7 + \cdots + 0.284388a - 0.168104 \\ -0.00210365a^8 - 0.00495200a^7 + \cdots - 0.412355a - 0.509691 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} 0.00391662a^8 + 0.00543003a^7 + \cdots + 0.764313a - 0.311168 \\ -0.00391662a^8 - 0.00543003a^7 + \cdots - 0.764313a + 0.311168 \end{pmatrix}$$
$$a_2 = \begin{pmatrix} 0.00301433a^8 + 0.00318056a^7 + \cdots + 0.515461a - 0.784582 \\ -0.00391662a^8 - 0.00543003a^7 + \cdots - 0.764313a + 0.311168 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes
$= -\frac{14902841729}{4881742261799}a^8 + \frac{166367890500}{4881742261799}a^7 + \cdots + \frac{12350657617094}{4881742261799}a + \frac{35285795123487}{4881742261799}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^9-5u^8+12u^7-15u^6+9u^5+u^4-4u^3+2u^2+u-1$
c_2	$u^9+u^8-2u^7-3u^6+u^5+3u^4+2u^3-u-1$
c_3	$u^9+u^8+2u^7+u^6+3u^5+u^4+2u^3+u-1$
c_4	$u^9-u^8-2u^7+3u^6+u^5-3u^4+2u^3-u+1$
c_5	$u^9-3u^8+8u^7-13u^6+17u^5-17u^4+12u^3-6u^2+u+1$
c_6	$u^9+2u^8+5u^7+22u^6+52u^5+63u^4+41u^3+10u^2-2u-1$
c_7	$u^9-u^8+2u^7-u^6+3u^5-u^4+2u^3+u+1$
c_8	$(u+1)^9$
c_9	u^9
c_{10}	$(u-1)^9$
c_{11}	$u^9+3u^8+8u^7+13u^6+17u^5+17u^4+12u^3+6u^2+u-1$
c_{12}	$u^9+3u^8+3u^7-2u^6+u^5-9u^4+3u^3+2u-1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^9 - y^8 + 12y^7 - 7y^6 + 37y^5 + y^4 - 10y^2 + 5y - 1$
c_2, c_4	$y^9 - 5y^8 + 12y^7 - 15y^6 + 9y^5 + y^4 - 4y^3 + 2y^2 + y - 1$
c_3, c_7	$y^9 + 3y^8 + 8y^7 + 13y^6 + 17y^5 + 17y^4 + 12y^3 + 6y^2 + y - 1$
c_5, c_{11}	$y^9 + 7y^8 + 20y^7 + 25y^6 + 5y^5 - 15y^4 + 22y^2 + 13y - 1$
c_6	$y^9 + 6y^8 + \cdots + 24y - 1$
c_8, c_{10}	$(y-1)^9$
c_9	y^9
c_{12}	$y^9 - 3y^8 + 23y^7 + 62y^6 - 13y^5 - 57y^4 + 9y^3 - 6y^2 + 4y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.00000$ $a=\quad 0.06261+1.45114I$ $b=-0.140343-0.966856I$	$3.42837-2.09337I$	$7.05683+6.62869I$
$u=-1.00000$ $a=\quad 0.06261-1.45114I$ $b=-0.140343+0.966856I$	$3.42837+2.09337I$	$7.05683-6.62869I$
$u=-1.00000$ $a=\quad 1.21902+0.95904I$ $b=-0.628449-0.875112I$	$1.02799-2.45442I$	$3.88318+3.00529I$
$u=-1.00000$ $a=\quad 1.21902-0.95904I$ $b=-0.628449+0.875112I$	$1.02799+2.45442I$	$3.88318-3.00529I$
$u=-1.00000$ $a=-1.91873$ $b=-0.512358$	0.446489	-13.4320
$u=-1.00000$ $a=-1.03999+1.61486I$ $b=\quad 0.728966-0.986295I$	$-1.95319+7.08493I$	$-2.13339-8.87891I$
$u=-1.00000$ $a=-1.03999-1.61486I$ $b=\quad 0.728966+0.986295I$	$-1.95319-7.08493I$	$-2.13339+8.87891I$
$u=-1.00000$ $a=-0.78228+3.85888I$ $b=\quad 0.796005-0.733148I$	$-2.72642-1.33617I$	$1.90921-3.07774I$
$u=-1.00000$ $a=-0.78228-3.85888I$ $b=\quad 0.796005+0.733148I$	$-2.72642+1.33617I$	$1.90921+3.07774I$

III.

$\boldsymbol{I_3^u = \langle b,\ u^7-2u^6-2u^5+4u^4+2u^3-2u^2+a-2,\ u^8-u^7-3u^6+2u^5+3u^4-2u-1\rangle}$

(i) Arc colorings

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

(ii) Obstruction class $= 1$

(iii) Cusp Shapes $= -u^7+9u^6-u^5-22u^4-3u^3+12u^2+13u+14$

(iv) u-Polynomials at the component

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

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_4	$(y-1)^8$
c_3, c_7	y^8
c_5, c_{11}	$y^8 + 5y^7 + 11y^6 + 6y^5 - 17y^4 - 34y^3 - 22y^2 - 4y + 1$
c_6, c_8, c_{10}	$y^8 - 7y^7 + 19y^6 - 22y^5 + 3y^4 + 14y^3 - 6y^2 - 4y + 1$
c_9, c_{12}	$y^8 - 3y^7 + 7y^6 - 10y^5 + 11y^4 - 10y^3 + 6y^2 - 4y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -1.180120 + 0.268597I$ $a = 1.21928 - 2.03110I$ $b = 0$	$-0.604279 - 1.131230I$	$-3.30729 - 4.28492I$
$u = -1.180120 - 0.268597I$ $a = 1.21928 + 2.03110I$ $b = 0$	$-0.604279 + 1.131230I$	$-3.30729 + 4.28492I$
$u = -0.108090 + 0.747508I$ $a = -1.230330 - 0.083902I$ $b = 0$	$-3.80435 - 2.57849I$	$-1.56478 + 3.68514I$
$u = -0.108090 - 0.747508I$ $a = -1.230330 + 0.083902I$ $b = 0$	$-3.80435 + 2.57849I$	$-1.56478 - 3.68514I$
$u = 1.37100$ $a = 0.337834$ $b = 0$	4.85780	14.7400
$u = 1.334530 + 0.318930I$ $a = -0.370895 - 0.073482I$ $b = 0$	$0.73474 + 6.44354I$	$8.02705 - 7.90662I$
$u = 1.334530 - 0.318930I$ $a = -0.370895 + 0.073482I$ $b = 0$	$0.73474 - 6.44354I$	$8.02705 + 7.90662I$
$u = -0.463640$ $a = 2.42604$ $b = 0$	-0.799899	9.95010

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u-1)^8(u^9-5u^8+12u^7-15u^6+9u^5+u^4-4u^3+2u^2+u-1)$ $\cdot(u^{17}+37u^{16}+\cdots+u+1)$
c_2	$(u-1)^8(u^9+u^8-2u^7-3u^6+u^5+3u^4+2u^3-u-1)$ $\cdot(u^{17}-15u^{16}+\cdots+3u-1)$
c_3	$u^8(u^9+u^8+2u^7+u^6+3u^5+u^4+2u^3+u-1)$ $\cdot(u^{17}+u^{16}+\cdots+384u-256)$
c_4	$(u+1)^8(u^9-u^8-2u^7+3u^6+u^5-3u^4+2u^3-u+1)$ $\cdot(u^{17}-15u^{16}+\cdots+3u-1)$
c_5	$(u^8+3u^7+7u^6+10u^5+11u^4+10u^3+6u^2+4u+1)$ $\cdot(u^9-3u^8+8u^7-13u^6+17u^5-17u^4+12u^3-6u^2+u+1)$ $\cdot(u^{17}+2u^{16}+\cdots+3u+1)$
c_6	$(u^8-u^7-3u^6+2u^5+3u^4-2u-1)$ $\cdot(u^9+2u^8+5u^7+22u^6+52u^5+63u^4+41u^3+10u^2-2u-1)$ $\cdot(u^{17}-3u^{16}+\cdots-167922u-192217)$
c_7	$u^8(u^9-u^8+2u^7-u^6+3u^5-u^4+2u^3+u+1)$ $\cdot(u^{17}+u^{16}+\cdots+384u-256)$
c_8	$(u+1)^9(u^8-u^7-3u^6+2u^5+3u^4-2u-1)$ $\cdot(u^{17}+16u^{16}+\cdots-11u+1)$
c_9	$u^9(u^8-u^7+\cdots+2u-1)(u^{17}+u^{16}+\cdots-512u-512)$
c_{10}	$(u-1)^9(u^8+u^7-3u^6-2u^5+3u^4+2u-1)$ $\cdot(u^{17}+16u^{16}+\cdots-11u+1)$
c_{11}	$(u^8-3u^7+7u^6-10u^5+11u^4-10u^3+6u^2-4u+1)$ $\cdot(u^9+3u^8+8u^7+13u^6+17u^5+17u^4+12u^3+6u^2+u-1)$ $\cdot(u^{17}+2u^{16}+\cdots+3u+1)$
c_{12}	$(u^8-u^7-u^6+2u^5+u^4-2u^3+2u-1)$ $\cdot(u^9+3u^8+3u^7-2u^6+u^5-9u^4+3u^3+2u-1)$ $\cdot(u^{17}-6u^{16}+\cdots-19686u+2393)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y-1)^8(y^9 - y^8 + 12y^7 - 7y^6 + 37y^5 + y^4 - 10y^2 + 5y - 1)$ $\cdot (y^{17} - 57y^{16} + \cdots - 7859y - 1)$
c_2, c_4	$(y-1)^8(y^9 - 5y^8 + 12y^7 - 15y^6 + 9y^5 + y^4 - 4y^3 + 2y^2 + y - 1)$ $\cdot (y^{17} - 37y^{16} + \cdots + y - 1)$
c_3, c_7	$y^8(y^9 + 3y^8 + 8y^7 + 13y^6 + 17y^5 + 17y^4 + 12y^3 + 6y^2 + y - 1)$ $\cdot (y^{17} - 33y^{16} + \cdots + 245760y - 65536)$
c_5, c_{11}	$(y^8 + 5y^7 + 11y^6 + 6y^5 - 17y^4 - 34y^3 - 22y^2 - 4y + 1)$ $\cdot (y^9 + 7y^8 + 20y^7 + 25y^6 + 5y^5 - 15y^4 + 22y^2 + 13y - 1)$ $\cdot (y^{17} + 12y^{16} + \cdots + 25y - 1)$
c_6	$(y^8 - 7y^7 + 19y^6 - 22y^5 + 3y^4 + 14y^3 - 6y^2 - 4y + 1)$ $\cdot (y^9 + 6y^8 + \cdots + 24y - 1)$ $\cdot (y^{17} - 45y^{16} + \cdots + 806894237728y - 36947375089)$
c_8, c_{10}	$(y-1)^9(y^8 - 7y^7 + 19y^6 - 22y^5 + 3y^4 + 14y^3 - 6y^2 - 4y + 1)$ $\cdot (y^{17} - 40y^{16} + \cdots + 221y - 1)$
c_9	$y^9(y^8 - 3y^7 + 7y^6 - 10y^5 + 11y^4 - 10y^3 + 6y^2 - 4y + 1)$ $\cdot (y^{17} - 39y^{16} + \cdots + 3670016y - 262144)$
c_{12}	$(y^8 - 3y^7 + 7y^6 - 10y^5 + 11y^4 - 10y^3 + 6y^2 - 4y + 1)$ $\cdot (y^9 - 3y^8 + 23y^7 + 62y^6 - 13y^5 - 57y^4 + 9y^3 - 6y^2 + 4y - 1)$ $\cdot (y^{17} - 38y^{16} + \cdots + 475084108y - 5726449)$