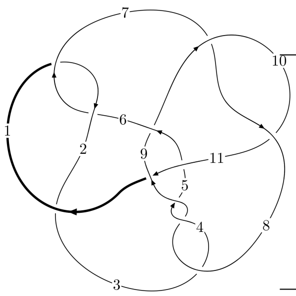
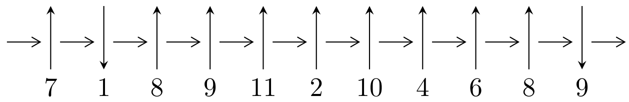
$11n_{108}$ ($K11n_{108}$)



A knot diagram[1]

Linearized knot diagam



Solving Sequence

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

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

$$I_1^u = \langle -4.49684\times 10^{62}u^{47} + 2.31669\times 10^{62}u^{46} + \cdots + 7.77951\times 10^{62}b - 8.70495\times 10^{63},$$
$$8.71448\times 10^{63}u^{47} - 2.39101\times 10^{63}u^{46} + \cdots + 8.55746\times 10^{63}a + 4.29322\times 10^{64},\ u^{48} - u^{47} + \cdots + 16u - 1$$
$$I_2^u = \langle u^{10} - 4u^8 - u^7 + 7u^6 + 3u^5 - 9u^4 - 2u^3 + 6u^2 + b,$$
$$2u^{10} - 10u^8 - 2u^7 + 21u^6 + 8u^5 - 29u^4 - 9u^3 + 26u^2 + a + 2u - 7,$$
$$u^{12} - 5u^{10} - u^9 + 11u^8 + 4u^7 - 16u^6 - 5u^5 + 15u^4 + 2u^3 - 6u^2 + 1\rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 60 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. $\boldsymbol{I_1^u = \langle -4.50 \times 10^{62}u^{47} + 2.32 \times 10^{62}u^{46} + \cdots + 7.78 \times 10^{62}b - 8.70 \times 10^{63},\ 8.71 \times 10^{63}u^{47} - 2.39 \times 10^{63}u^{46} + \cdots + 8.56 \times 10^{63}a + 4.29 \times 10^{64},\ u^{48} - u^{47} + \cdots + 16u - 11 \rangle}$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$
$$a_8 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$
$$a_9 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$
$$a_5 = \begin{pmatrix} u \\ -u^3 + u \end{pmatrix}$$
$$a_{11} = \begin{pmatrix} -1.01835u^{47} + 0.279406u^{46} + \cdots + 6.57363u - 5.01693 \\ 0.578037u^{47} - 0.297794u^{46} + \cdots + 2.06984u + 11.1896 \end{pmatrix}$$
$$a_6 = \begin{pmatrix} -1.01567u^{47} + 0.683761u^{46} + \cdots - 1.11353u - 14.1587 \\ -0.0891298u^{47} - 0.145158u^{46} + \cdots + 6.89698u + 1.47011 \end{pmatrix}$$
$$a_1 = \begin{pmatrix} -0.866912u^{47} + 0.322213u^{46} + \cdots + 3.88254u - 8.07815 \\ 0.221406u^{47} - 0.178838u^{46} + \cdots + 3.51193u + 9.05291 \end{pmatrix}$$
$$a_3 = \begin{pmatrix} -u \\ u \end{pmatrix}$$
$$a_2 = \begin{pmatrix} -1.06034u^{47} + 0.621352u^{46} + \cdots + 3.40978u - 11.7196 \\ 0.128714u^{47} - 0.148448u^{46} + \cdots - 0.760314u + 0.405016 \end{pmatrix}$$
$$a_{10} = \begin{pmatrix} -1.59639u^{47} + 0.577200u^{46} + \cdots + 4.50378u - 16.2065 \\ 0.578037u^{47} - 0.297794u^{46} + \cdots + 2.06984u + 11.1896 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -0.0768387u^{47} - 0.280256u^{46} + \cdots - 3.25826u + 6.11664 \\ -0.0786313u^{47} + 0.170391u^{46} + \cdots + 3.31403u - 5.72912 \end{pmatrix}$$
$$a_7 = \begin{pmatrix} -0.0768387u^{47} - 0.280256u^{46} + \cdots - 3.25826u + 6.11664 \\ -0.0786313u^{47} + 0.170391u^{46} + \cdots + 3.31403u - 5.72912 \end{pmatrix}$$

(ii) Obstruction class $= -1$

(iii) Cusp Shapes $= -0.320053u^{47} - 0.920029u^{46} + \cdots + 14.1517u + 26.9488$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_6	$u^{48} + 12u^{46} + \cdots - u + 1$
c_2	$u^{48} + 24u^{47} + \cdots + 13u + 1$
c_3, c_4, c_8	$u^{48} + u^{47} + \cdots - 16u - 11$
c_5	$u^{48} + 3u^{47} + \cdots - 14u + 1$
c_7, c_{10}	$u^{48} - u^{47} + \cdots + 268u - 119$
c_9	$u^{48} - u^{47} + \cdots + 10u - 27$
c_{11}	$u^{48} - 5u^{47} + \cdots - 22u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_6	$y^{48} + 24y^{47} + \cdots + 13y + 1$
c_2	$y^{48} + 8y^{47} + \cdots - 71y + 1$
c_3, c_4, c_8	$y^{48} - 17y^{47} + \cdots - 2302y + 121$
c_5	$y^{48} + 35y^{47} + \cdots - 126y + 1$
c_7, c_{10}	$y^{48} - 25y^{47} + \cdots - 291260y + 14161$
c_9	$y^{48} - 19y^{47} + \cdots - 6904y + 729$
c_{11}	$y^{48} - 37y^{47} + \cdots + 18y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = -0.541870 + 0.901222I$ $a = 0.024980 + 0.703983I$ $b = 0.816951 + 0.697564I$	$-5.53120 + 0.07674I$	$3.78825 - 1.36866I$
$u = -0.541870 - 0.901222I$ $a = 0.024980 - 0.703983I$ $b = 0.816951 - 0.697564I$	$-5.53120 - 0.07674I$	$3.78825 + 1.36866I$
$u = -0.869571 + 0.293240I$ $a = 0.127295 + 0.324289I$ $b = -1.41833 - 0.31833I$	$3.26073 + 2.43030I$	$10.07781 - 2.10293I$
$u = -0.869571 - 0.293240I$ $a = 0.127295 - 0.324289I$ $b = -1.41833 + 0.31833I$	$3.26073 - 2.43030I$	$10.07781 + 2.10293I$
$u = 0.883071 + 0.696886I$ $a = 0.586523 - 1.138810I$ $b = -0.304793 - 0.919600I$	$-2.06429 + 2.66223I$	$9.42585 - 6.21325I$
$u = 0.883071 - 0.696886I$ $a = 0.586523 + 1.138810I$ $b = -0.304793 + 0.919600I$	$-2.06429 - 2.66223I$	$9.42585 + 6.21325I$
$u = 0.843476 + 0.745354I$ $a = 0.486746 - 1.003540I$ $b = 0.111927 - 0.997408I$	$-2.19332 + 2.77840I$	$8.82502 - 3.26643I$
$u = 0.843476 - 0.745354I$ $a = 0.486746 + 1.003540I$ $b = 0.111927 + 0.997408I$	$-2.19332 - 2.77840I$	$8.82502 + 3.26643I$
$u = -0.702040 + 0.493195I$ $a = 0.76028 - 2.18802I$ $b = 0.951952 + 0.007910I$	$3.52678 - 2.80965I$	$12.72101 + 4.52739I$
$u = -0.702040 - 0.493195I$ $a = 0.76028 + 2.18802I$ $b = 0.951952 - 0.007910I$	$3.52678 + 2.80965I$	$12.72101 - 4.52739I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.741649 + 0.369863I$ $a = -0.35152 - 1.72739I$ $b = -1.046450 - 0.878314I$	$2.97315 + 6.07189I$	$11.5551 - 10.8395I$
$u = 0.741649 - 0.369863I$ $a = -0.35152 + 1.72739I$ $b = -1.046450 + 0.878314I$	$2.97315 - 6.07189I$	$11.5551 + 10.8395I$
$u = -0.684846 + 0.951602I$ $a = -0.519439 - 0.379915I$ $b = -1.025990 - 0.559251I$	$-0.10143 + 2.03024I$	$9.27605 - 1.57972I$
$u = -0.684846 - 0.951602I$ $a = -0.519439 + 0.379915I$ $b = -1.025990 + 0.559251I$	$-0.10143 - 2.03024I$	$9.27605 + 1.57972I$
$u = 1.048110 + 0.559665I$ $a = 0.76825 - 1.24356I$ $b = -0.594486 - 0.287588I$	$-1.85237 + 2.17126I$	$11.26403 + 0.I$
$u = 1.048110 - 0.559665I$ $a = 0.76825 + 1.24356I$ $b = -0.594486 + 0.287588I$	$-1.85237 - 2.17126I$	$11.26403 + 0.I$
$u = -0.690139 + 0.360388I$ $a = -0.72752 + 1.24362I$ $b = -1.089830 + 0.609642I$	$3.63018 - 0.51155I$	$11.50496 + 4.41570I$
$u = -0.690139 - 0.360388I$ $a = -0.72752 - 1.24362I$ $b = -1.089830 - 0.609642I$	$3.63018 + 0.51155I$	$11.50496 - 4.41570I$
$u = 0.748525$ $a = -2.51365$ $b = 1.31936$	5.55263	20.1450
$u = -0.587154 + 0.447682I$ $a = -1.33591 - 2.09829I$ $b = 1.297980 - 0.296087I$	$2.15454 - 5.46033I$	$6.95643 + 10.69062I$

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.587154-0.447682I$ $a=-1.33591+2.09829I$ $b=\ \ 1.297980+0.296087I$	$2.15454+5.46033I$	$6.95643-10.69062I$
$u=\ \ 0.377726+0.619690I$ $a=\ \ 0.599599-1.043790I$ $b=-0.047506-0.807730I$	$-2.18331+1.63548I$	$3.97796-4.36559I$
$u=\ \ 0.377726-0.619690I$ $a=\ \ 0.599599+1.043790I$ $b=-0.047506+0.807730I$	$-2.18331-1.63548I$	$3.97796+4.36559I$
$u=-0.902068+0.916115I$ $a=\ \ 0.512066+0.717598I$ $b=\ \ 0.44776+1.37089I$	$-4.30258-7.07120I$	$7.00000+6.78102I$
$u=-0.902068-0.916115I$ $a=\ \ 0.512066-0.717598I$ $b=\ \ 0.44776-1.37089I$	$-4.30258+7.07120I$	$7.00000-6.78102I$
$u=\ \ 0.659900+0.253316I$ $a=\ \ 0.97673+2.73037I$ $b=\ \ 0.801186-0.190096I$	$2.78226-3.51974I$	$11.16150+1.38253I$
$u=\ \ 0.659900-0.253316I$ $a=\ \ 0.97673-2.73037I$ $b=\ \ 0.801186+0.190096I$	$2.78226+3.51974I$	$11.16150-1.38253I$
$u=\ \ 0.640560+1.139710I$ $a=-0.470605+0.463131I$ $b=-1.104340+0.854023I$	$-3.03425-7.47849I$	0
$u=\ \ 0.640560-1.139710I$ $a=-0.470605-0.463131I$ $b=-1.104340-0.854023I$	$-3.03425+7.47849I$	0
$u=\ \ 0.904630+0.964964I$ $a=\ \ 0.086405+1.139180I$ $b=\ \ 0.865094+0.549237I$	$-5.42165+4.76380I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.904630 - 0.964964I$ $a = 0.086405 - 1.139180I$ $b = 0.865094 - 0.549237I$	$-5.42165 - 4.76380I$	0
$u = -0.981632 + 0.915325I$ $a = 0.605329 + 1.050400I$ $b = -0.831231 + 1.115400I$	$-4.08127 + 0.33982I$	0
$u = -0.981632 - 0.915325I$ $a = 0.605329 - 1.050400I$ $b = -0.831231 - 1.115400I$	$-4.08127 - 0.33982I$	0
$u = -1.089380 + 0.813811I$ $a = -0.29168 - 1.41143I$ $b = 1.258230 - 0.611794I$	$1.11909 - 8.52957I$	0
$u = -1.089380 - 0.813811I$ $a = -0.29168 + 1.41143I$ $b = 1.258230 + 0.611794I$	$1.11909 + 8.52957I$	0
$u = 0.994777 + 0.952249I$ $a = -0.355078 + 0.290456I$ $b = -0.602542 + 0.470290I$	$-5.15741 + 2.22291I$	0
$u = 0.994777 - 0.952249I$ $a = -0.355078 - 0.290456I$ $b = -0.602542 - 0.470290I$	$-5.15741 - 2.22291I$	0
$u = 0.504319 + 0.352823I$ $a = 0.390749 - 0.726369I$ $b = -1.63711 + 0.11804I$	$3.91125 + 1.34687I$	$8.42551 - 6.39280I$
$u = 0.504319 - 0.352823I$ $a = 0.390749 + 0.726369I$ $b = -1.63711 - 0.11804I$	$3.91125 - 1.34687I$	$8.42551 + 6.39280I$
$u = -1.208410 + 0.710850I$ $a = 0.774025 + 1.048360I$ $b = -1.106840 + 0.481324I$	$-3.44366 - 6.15745I$	0

Solutions to I_1^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-1.208410-0.710850I$ $a=\ 0.774025-1.048360I$ $b=-1.106840-0.481324I$	$-3.44366+6.15745I$	0
$u=\ 1.40818+0.13200I$ $a=-0.772395+0.203916I$ $b=\ 1.185140-0.228161I$	$7.19540+0.40564I$	0
$u=\ 1.40818-0.13200I$ $a=-0.772395-0.203916I$ $b=\ 1.185140+0.228161I$	$7.19540-0.40564I$	0
$u=\ 1.18080+0.85198I$ $a=-0.443194+1.290850I$ $b=\ 1.34618+0.78553I$	$-1.3361+14.6102I$	0
$u=\ 1.18080-0.85198I$ $a=-0.443194-1.290850I$ $b=\ 1.34618-0.78553I$	$-1.3361-14.6102I$	0
$u=-0.475453$ $a=\ 0.423852$ $b=-0.331940$	0.656820	15.2640
$u=-1.56662+0.07941I$ $a=-0.523086-0.170729I$ $b=\ 0.733336+0.437414I$	$5.39976+3.46453I$	0
$u=-1.56662-0.07941I$ $a=-0.523086+0.170729I$ $b=\ 0.733336-0.437414I$	$5.39976-3.46453I$	0

II.

$$\boldsymbol{I_2^u = \langle u^{10}-4u^8+\cdots+6u^2+b,\ 2u^{10}-10u^8+\cdots+a-7,\ u^{12}-5u^{10}+\cdots-6u^2+1\rangle}$$

(i) Arc colorings

$$a_4 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

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

$$a_5 = \begin{pmatrix} u \\ -u^3+u \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -2u^{10}+10u^8+2u^7-21u^6-8u^5+29u^4+9u^3-26u^2-2u+7 \\ -u^{10}+4u^8+u^7-7u^6-3u^5+9u^4+2u^3-6u^2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -5u^{11}+23u^9+\cdots+10u-2 \\ u^{11}-5u^9-u^8+11u^7+4u^6-16u^5-5u^4+14u^3+2u^2-5u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} -u^{10}+5u^8+u^7-11u^6-4u^5+16u^4+5u^3-15u^2-2u+5 \\ -u^{10}+5u^8+u^7-10u^6-4u^5+13u^4+4u^3-10u^2+1 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_2 = \begin{pmatrix} -4u^{11}+18u^9+\cdots+4u-2 \\ 3u^{11}-u^{10}+\cdots-9u+2 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u^{10}+6u^8+u^7-14u^6-5u^5+20u^4+7u^3-20u^2-2u+7 \\ -u^{10}+4u^8+u^7-7u^6-3u^5+9u^4+2u^3-6u^2 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u^{11}+2u^{10}+\cdots+3u-8 \\ u^{10}-5u^8-u^7+10u^6+4u^5-13u^4-4u^3+11u^2-1 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u^{11}+2u^{10}+\cdots+3u-8 \\ u^{10}-5u^8-u^7+10u^6+4u^5-13u^4-4u^3+11u^2-1 \end{pmatrix}$$

(ii) Obstruction class $= 1$

(iii) Cusp Shapes
$= -2u^{10}+3u^9+7u^8-8u^7-17u^6+12u^5+31u^4-14u^3-24u^2+2u+19$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{12}+u^{11}+\cdots+u+1$
c_2	$u^{12}+7u^{11}+\cdots+7u+1$
c_3, c_4	$u^{12}-5u^{10}+u^9+11u^8-4u^7-16u^6+5u^5+15u^4-2u^3-6u^2+1$
c_5	$u^{12}+u^{10}-3u^9-2u^7+4u^6-u^5+3u^4+u^3-4u^2+1$
c_6	$u^{12}-u^{11}+\cdots-u+1$
c_7	$u^{12}+2u^{11}+\cdots+2u+1$
c_8	$u^{12}-5u^{10}-u^9+11u^8+4u^7-16u^6-5u^5+15u^4+2u^3-6u^2+1$
c_9	$u^{12}-4u^{10}+u^9+3u^8-u^7+4u^6-2u^5-3u^3+u^2+1$
c_{10}	$u^{12}-2u^{11}+\cdots-2u+1$
c_{11}	$u^{12}+2u^{11}-u^{10}-2u^9+3u^8+u^7+u^6+7u^5+2u^4+2u^2+1$

(v) Riley Polynomials at the component

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

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u = 0.944121 + 0.586418I$ $a = 0.85764 - 1.21516I$ $b = -0.316252 - 0.773855I$	$-2.69108 + 2.27732I$	$-0.79309 - 1.51304I$
$u = 0.944121 - 0.586418I$ $a = 0.85764 + 1.21516I$ $b = -0.316252 + 0.773855I$	$-2.69108 - 2.27732I$	$-0.79309 + 1.51304I$
$u = -0.971824 + 0.903078I$ $a = 0.199108 + 0.774068I$ $b = -0.226863 + 0.457126I$	$-5.04286 - 3.33069I$	$6.48064 + 3.71539I$
$u = -0.971824 - 0.903078I$ $a = 0.199108 - 0.774068I$ $b = -0.226863 - 0.457126I$	$-5.04286 + 3.33069I$	$6.48064 - 3.71539I$
$u = -1.339700 + 0.047045I$ $a = -0.920911 - 0.442643I$ $b = 1.230580 + 0.195712I$	$7.43656 - 1.12784I$	$13.7843 + 5.8074I$
$u = -1.339700 - 0.047045I$ $a = -0.920911 + 0.442643I$ $b = 1.230580 - 0.195712I$	$7.43656 + 1.12784I$	$13.7843 - 5.8074I$
$u = 0.555310 + 0.250101I$ $a = 0.60842 - 3.02308I$ $b = -1.167560 - 0.430017I$	$2.81163 + 4.85898I$	$13.04273 - 4.67018I$
$u = 0.555310 - 0.250101I$ $a = 0.60842 + 3.02308I$ $b = -1.167560 + 0.430017I$	$2.81163 - 4.85898I$	$13.04273 + 4.67018I$
$u = 1.399120 + 0.104604I$ $a = -0.338465 + 0.499440I$ $b = 0.964221 - 0.298157I$	$6.28022 - 3.33267I$	$14.8487 + 3.1328I$
$u = 1.399120 - 0.104604I$ $a = -0.338465 - 0.499440I$ $b = 0.964221 + 0.298157I$	$6.28022 + 3.33267I$	$14.8487 - 3.1328I$

Solutions to I_2^u	$\sqrt{-1}(\mathrm{vol}+\sqrt{-1}CS)$	Cusp shape
$u=-0.587029+0.077244I$ $a=\ \ 0.59421+1.34198I$ $b=-1.48412+0.20351I$	$4.36500+0.58143I$	$14.6367+0.1461I$
$u=-0.587029-0.077244I$ $a=\ \ 0.59421-1.34198I$ $b=-1.48412-0.20351I$	$4.36500-0.58143I$	$14.6367-0.1461I$

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{12}+u^{11}+\cdots+u+1)(u^{48}+12u^{46}+\cdots-u+1)$
c_2	$(u^{12}+7u^{11}+\cdots+7u+1)(u^{48}+24u^{47}+\cdots+13u+1)$
c_3, c_4	$(u^{12}-5u^{10}+u^9+11u^8-4u^7-16u^6+5u^5+15u^4-2u^3-6u^2+1)$ $\cdot(u^{48}+u^{47}+\cdots-16u-11)$
c_5	$(u^{12}+u^{10}-3u^9-2u^7+4u^6-u^5+3u^4+u^3-4u^2+1)$ $\cdot(u^{48}+3u^{47}+\cdots-14u+1)$
c_6	$(u^{12}-u^{11}+\cdots-u+1)(u^{48}+12u^{46}+\cdots-u+1)$
c_7	$(u^{12}+2u^{11}+\cdots+2u+1)(u^{48}-u^{47}+\cdots+268u-119)$
c_8	$(u^{12}-5u^{10}-u^9+11u^8+4u^7-16u^6-5u^5+15u^4+2u^3-6u^2+1)$ $\cdot(u^{48}+u^{47}+\cdots-16u-11)$
c_9	$(u^{12}-4u^{10}+u^9+3u^8-u^7+4u^6-2u^5-3u^3+u^2+1)$ $\cdot(u^{48}-u^{47}+\cdots+10u-27)$
c_{10}	$(u^{12}-2u^{11}+\cdots-2u+1)(u^{48}-u^{47}+\cdots+268u-119)$
c_{11}	$(u^{12}+2u^{11}-u^{10}-2u^9+3u^8+u^7+u^6+7u^5+2u^4+2u^2+1)$ $\cdot(u^{48}-5u^{47}+\cdots-22u+1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1, c_6	$(y^{12}+7y^{11}+\cdots+7y+1)(y^{48}+24y^{47}+\cdots+13y+1)$
c_2	$(y^{12}+3y^{11}+\cdots-y+1)(y^{48}+8y^{47}+\cdots-71y+1)$
c_3, c_4, c_8	$(y^{12}-10y^{11}+\cdots-12y+1)(y^{48}-17y^{47}+\cdots-2302y+121)$
c_5	$(y^{12}+2y^{11}+\cdots-8y+1)(y^{48}+35y^{47}+\cdots-126y+1)$
c_7, c_{10}	$(y^{12}-10y^{11}+\cdots+2y+1)(y^{48}-25y^{47}+\cdots-291260y+14161)$
c_9	$(y^{12}-8y^{11}+\cdots+2y+1)(y^{48}-19y^{47}+\cdots-6904y+729)$
c_{11}	$(y^{12}-6y^{11}+\cdots+4y+1)(y^{48}-37y^{47}+\cdots+18y+1)$