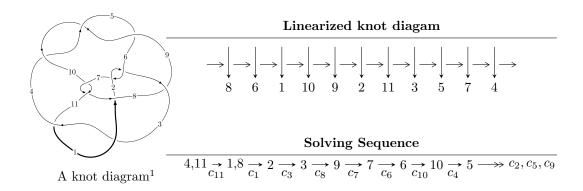
$11a_{320} (K11a_{320})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -5.12599 \times 10^{149} u^{70} + 2.15209 \times 10^{150} u^{69} + \dots + 5.93070 \times 10^{149} b + 5.39933 \times 10^{150}, \\ & 8.74134 \times 10^{150} u^{70} - 2.86993 \times 10^{151} u^{69} + \dots + 1.12683 \times 10^{151} a + 2.95601 \times 10^{152}, \\ & u^{71} - 4u^{70} + \dots - 82u + 19 \rangle \\ I_2^u &= \langle -4u^{16} + 17u^{15} + \dots + b - 13, \ 2u^{16} - 9u^{15} + \dots + a + 9, \ u^{17} - 3u^{16} + \dots + 3u - 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 88 representations.

¹The 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.
$$I_1^u = \langle -5.13 \times 10^{149} u^{70} + 2.15 \times 10^{150} u^{69} + \dots + 5.93 \times 10^{149} b + 5.40 \times 10^{150}, \ 8.74 \times 10^{150} u^{70} - 2.87 \times 10^{151} u^{69} + \dots + 1.13 \times 10^{151} a + 2.96 \times 10^{152}, \ u^{71} - 4u^{70} + \dots - 82u + 19 \rangle$$

(i) Arc colorings

$$a_{4} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

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

$$a_{8} = \begin{pmatrix} -0.775744u^{70} + 2.54690u^{69} + \dots + 40.6903u - 26.2329 \\ 0.864314u^{70} - 3.62872u^{69} + \dots + 57.6823u - 9.10403 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 0.181619u^{70} - 0.0673367u^{69} + \dots - 185.458u + 42.0713 \\ 0.130604u^{70} - 0.388077u^{69} + \dots - 12.6153u - 0.350324 \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} 0.0637919u^{70} - 0.858245u^{69} + \dots + 60.8860u - 25.1281 \\ 0.857701u^{70} - 3.68006u^{69} + \dots + 58.0726u - 7.10612 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 0.0885694u^{70} - 1.08182u^{69} + \dots + 98.3726u - 35.3370 \\ 0.864314u^{70} - 3.62872u^{69} + \dots + 57.6823u - 9.10403 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0.680313u^{70} - 1.71230u^{69} + \dots + 57.6823u - 9.10403 \\ 0.0264002u^{70} + 0.0383447u^{69} + \dots - 35.8478u + 8.50989 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.0235381u^{70} + 0.0777773u^{69} + \dots + 12.0205u + 5.65632 \\ -0.396807u^{70} + 2.02745u^{69} + \dots - 31.9176u + 9.02563 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.521650u^{70} + 3.14454u^{69} + \dots - 204.598u + 45.3905 \\ 0.309001u^{70} - 0.338161u^{69} + \dots - 72.8831u + 18.8315 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.521650u^{70} + 3.14454u^{69} + \dots - 204.598u + 45.3905 \\ 0.309001u^{70} - 0.338161u^{69} + \dots - 72.8831u + 18.8315 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $1.74408u^{70} 7.67739u^{69} + \cdots + 186.830u 24.0299$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{71} - u^{70} + \dots - 253u + 121$
c_2, c_6	$u^{71} + 2u^{70} + \dots + 212u + 103$
c_3, c_{11}	$u^{71} - 4u^{70} + \dots - 82u + 19$
c_4,c_5,c_9	$u^{71} + u^{70} + \dots - 9u + 11$
c_7, c_{10}	$u^{71} - 18u^{69} + \dots + 28u + 19$
c ₈	$u^{71} + u^{70} + \dots + 75261u + 69721$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{71} + 13y^{70} + \dots - 110473y - 14641$
c_2, c_6	$y^{71} + 52y^{70} + \dots - 123976y - 10609$
c_3, c_{11}	$y^{71} + 48y^{70} + \dots - 4562y - 361$
c_4, c_5, c_9	$y^{71} + 77y^{70} + \dots + 103y - 121$
c_7, c_{10}	$y^{71} - 36y^{70} + \dots + 9258y - 361$
c ₈	$y^{71} + 37y^{70} + \dots - 78658032583y - 4861017841$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.047825 + 1.017730I		
a = -0.341643 - 0.579404I	3.38826 - 2.90800I	0
b = 1.69982 + 0.31305I		
u = 0.047825 - 1.017730I		
a = -0.341643 + 0.579404I	3.38826 + 2.90800I	0
b = 1.69982 - 0.31305I		
u = 0.423933 + 0.883947I		
a = -0.940566 - 0.386865I	3.17690 + 1.80430I	0
b = 1.128290 - 0.272503I		
u = 0.423933 - 0.883947I		
a = -0.940566 + 0.386865I	3.17690 - 1.80430I	0
b = 1.128290 + 0.272503I		
u = 0.336740 + 0.978403I		
a = 0.11372 - 1.77123I	3.89503 - 4.72871I	0
b = 1.15954 + 0.90500I		
u = 0.336740 - 0.978403I		
a = 0.11372 + 1.77123I	3.89503 + 4.72871I	0
b = 1.15954 - 0.90500I		
u = -0.754094 + 0.580048I		
a = -0.547122 - 0.007044I	4.98219 - 1.09775I	0
b = 1.096540 + 0.755338I		
u = -0.754094 - 0.580048I		
a = -0.547122 + 0.007044I	4.98219 + 1.09775I	0
b = 1.096540 - 0.755338I		
u = 0.046777 + 1.050160I		
a = 0.09283 - 2.20296I	4.71218 - 0.33668I	0
b = -0.706702 + 0.426522I		
u = 0.046777 - 1.050160I		
a = 0.09283 + 2.20296I	4.71218 + 0.33668I	0
b = -0.706702 - 0.426522I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.942608 + 0.017959I		
a = 0.343675 + 0.335171I	-0.32112 + 5.84881I	0
b = 1.144670 - 0.403404I		
u = 0.942608 - 0.017959I		
a = 0.343675 - 0.335171I	-0.32112 - 5.84881I	0
b = 1.144670 + 0.403404I		
u = -0.232384 + 1.034920I		
a = -0.173815 - 0.997337I	2.02658 + 2.02846I	0
b = 0.299021 + 0.503997I		
u = -0.232384 - 1.034920I		
a = -0.173815 + 0.997337I	2.02658 - 2.02846I	0
b = 0.299021 - 0.503997I		
u = 0.200339 + 0.907089I		
a = 0.25180 + 1.54170I	-0.352598 - 1.166030I	0
b = -0.999500 - 0.475840I		
u = 0.200339 - 0.907089I		
a = 0.25180 - 1.54170I	-0.352598 + 1.166030I	0
b = -0.999500 + 0.475840I		
u = 0.842416 + 0.377347I		
a = -1.129690 + 0.265067I	8.76103 - 4.23637I	0
b = -0.468514 + 0.604687I		
u = 0.842416 - 0.377347I		
a = -1.129690 - 0.265067I	8.76103 + 4.23637I	0
b = -0.468514 - 0.604687I		
u = -0.353533 + 1.029640I		
a = 0.41833 - 1.67791I	0.74759 + 4.36932I	0
b = -0.972971 + 0.871224I		
u = -0.353533 - 1.029640I		
a = 0.41833 + 1.67791I	0.74759 - 4.36932I	0
b = -0.972971 - 0.871224I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.569298 + 0.933529I		
a = 0.28166 + 1.90992I	6.02225 + 6.08511I	0
b = 0.99993 - 1.09682I		
u = -0.569298 - 0.933529I		
a = 0.28166 - 1.90992I	6.02225 - 6.08511I	0
b = 0.99993 + 1.09682I		
u = 0.048283 + 1.137300I		
a = -0.949590 + 0.745505I	3.52458 + 2.13444I	0
b = 0.988491 - 0.625407I		
u = 0.048283 - 1.137300I		
a = -0.949590 - 0.745505I	3.52458 - 2.13444I	0
b = 0.988491 + 0.625407I		
u = -1.123150 + 0.278639I		
a = 0.341249 - 0.025673I	-3.38978 - 0.40278I	0
b = 0.965387 + 0.144697I		
u = -1.123150 - 0.278639I		
a = 0.341249 + 0.025673I	-3.38978 + 0.40278I	0
b = 0.965387 - 0.144697I		
u = -0.134492 + 1.169680I		
a = 0.67489 + 1.48395I	10.90650 + 5.21367I	0
b = 1.082810 - 0.501331I		
u = -0.134492 - 1.169680I		
a = 0.67489 - 1.48395I	10.90650 - 5.21367I	0
b = 1.082810 + 0.501331I		
u = 0.582442 + 1.060300I		
a = 0.724590 - 1.097650I	4.88583 - 2.21298I	0
b = 0.651275 + 0.464021I		
u = 0.582442 - 1.060300I		
a = 0.724590 + 1.097650I	4.88583 + 2.21298I	0
b = 0.651275 - 0.464021I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.327594 + 1.168440I		
a = -0.53229 + 1.43066I	6.37762 - 5.16098I	0
b = 0.321204 - 1.006900I		
u = 0.327594 - 1.168440I		
a = -0.53229 - 1.43066I	6.37762 + 5.16098I	0
b = 0.321204 + 1.006900I		
u = -0.447415 + 1.183120I		
a = 0.405310 - 1.254470I	0.95702 + 2.39465I	0
b = -0.719914 + 0.311279I		
u = -0.447415 - 1.183120I		
a = 0.405310 + 1.254470I	0.95702 - 2.39465I	0
b = -0.719914 - 0.311279I		
u = 1.289830 + 0.094787I		
a = -0.206069 - 0.147386I	7.03255 + 9.09735I	0
b = -1.061290 + 0.595628I		
u = 1.289830 - 0.094787I		
a = -0.206069 + 0.147386I	7.03255 - 9.09735I	0
b = -1.061290 - 0.595628I		
u = -0.574723 + 0.330407I		
a = -0.538480 + 0.587756I	-1.79167 + 1.75090I	-12.48087 - 4.54784I
b = -1.118760 + 0.110427I		
u = -0.574723 - 0.330407I		
a = -0.538480 - 0.587756I	-1.79167 - 1.75090I	-12.48087 + 4.54784I
b = -1.118760 - 0.110427I		
u = 0.384607 + 1.314120I		
a = 0.469556 - 1.191940I	13.6021 - 8.3409I	0
b = -0.54031 + 1.32564I		
u = 0.384607 - 1.314120I		
a = 0.469556 + 1.191940I	13.6021 + 8.3409I	0
b = -0.54031 - 1.32564I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.271650 + 1.343530I		
a = 0.82251 + 1.49102I	3.76513 - 4.21784I	0
b = -0.977413 - 0.493272I		
u = 0.271650 - 1.343530I		
a = 0.82251 - 1.49102I	3.76513 + 4.21784I	0
b = -0.977413 + 0.493272I		
u = -0.558176 + 1.269410I		
a = -0.071999 + 1.263220I	-0.06369 + 6.26228I	0
b = 1.071650 - 0.517844I		
u = -0.558176 - 1.269410I		
a = -0.071999 - 1.263220I	-0.06369 - 6.26228I	0
b = 1.071650 + 0.517844I		
u = 0.255272 + 0.548146I		
a = -1.01679 - 1.14079I	2.89013 + 1.78350I	-4.97596 - 3.66282I
b = 0.788104 - 0.383173I		
u = 0.255272 - 0.548146I		
a = -1.01679 + 1.14079I	2.89013 - 1.78350I	-4.97596 + 3.66282I
b = 0.788104 + 0.383173I		
u = 0.48232 + 1.33424I		
a = -0.25643 - 1.55861I	3.81421 - 11.00460I	0
b = 1.173600 + 0.644507I		
u = 0.48232 - 1.33424I		
a = -0.25643 + 1.55861I	3.81421 + 11.00460I	0
b = 1.173600 - 0.644507I		
u = -0.26701 + 1.39737I		
a = 0.073429 + 1.010430I	9.45981 + 2.99993I	0
b = -0.207375 - 1.100390I		
u = -0.26701 - 1.39737I		
a = 0.073429 - 1.010430I	9.45981 - 2.99993I	0
b = -0.207375 + 1.100390I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.571182 + 0.076246I		
a = 0.752333 + 0.565781I	2.82580 - 1.80720I	-7.38072 + 3.47906I
b = 0.072263 - 0.698701I		
u = 0.571182 - 0.076246I		
a = 0.752333 - 0.565781I	2.82580 + 1.80720I	-7.38072 - 3.47906I
b = 0.072263 + 0.698701I		
u = -1.40638 + 0.36204I		
a = -0.332339 - 0.060821I	2.53123 - 1.88371I	0
b = -0.869643 - 0.457967I		
u = -1.40638 - 0.36204I		
a = -0.332339 + 0.060821I	2.53123 + 1.88371I	0
b = -0.869643 + 0.457967I		
u = 0.350880 + 0.384879I		
a = 0.319220 + 1.255840I	-1.10877 - 1.58604I	-13.47873 + 2.62387I
b = -1.248260 - 0.193640I		
u = 0.350880 - 0.384879I		
a = 0.319220 - 1.255840I	-1.10877 + 1.58604I	-13.47873 - 2.62387I
b = -1.248260 + 0.193640I		
u = 0.71970 + 1.29915I		
a = -0.512729 + 0.883109I	11.25790 - 1.96679I	0
b = -1.073070 - 0.541535I		
u = 0.71970 - 1.29915I		
a = -0.512729 - 0.883109I	11.25790 + 1.96679I	0
b = -1.073070 + 0.541535I		
u = 0.117612 + 0.490736I		
a = -3.12111 + 2.61533I	8.37213 - 4.43001I	-3.16531 - 0.91454I
b = 0.283166 + 0.342632I		
u = 0.117612 - 0.490736I		
a = -3.12111 - 2.61533I	8.37213 + 4.43001I	-3.16531 + 0.91454I
b = 0.283166 - 0.342632I		

u = -0.046582 + 0.497650I $a = 1.052030 + 0.768570I$	-1.18329 - 1.57972I	-17.0653 + 2.5439I
a = 1.052030 + 0.768570I	-1.18329 - 1.57972I	-17.0653 + 2.5439I
b = -1.328980 - 0.322067I		
u = -0.046582 - 0.497650I		
a = 1.052030 - 0.768570I	-1.18329 + 1.57972I	-17.0653 - 2.5439I
b = -1.328980 + 0.322067I		
u = 0.62072 + 1.39610I		
a = 0.026471 + 1.405200I	11.1774 - 15.7364I	0
b = -1.26337 - 0.80348I		
u = 0.62072 - 1.39610I		
a = 0.026471 - 1.405200I	11.1774 + 15.7364I	0
b = -1.26337 + 0.80348I		
u = -0.65349 + 1.41571I		
a = -0.054827 - 1.108650I	6.32046 + 9.15200I	0
b = -1.250520 + 0.656795I		
u = -0.65349 - 1.41571I		
a = -0.054827 + 1.108650I	6.32046 - 9.15200I	0
b = -1.250520 - 0.656795I		
u = -0.01709 + 1.56834I		
a = -0.839883 - 0.443460I	12.64150 + 1.23886I	0
b = 0.575533 + 0.419808I		
u = -0.01709 - 1.56834I		
a = -0.839883 + 0.443460I	12.64150 - 1.23886I	0
b = 0.575533 - 0.419808I		
u = 0.40026 + 1.67882I		
a = 0.269342 - 0.314336I	12.92890 + 2.39291I	0
b = -0.555974 + 0.506101I		
u = 0.40026 - 1.67882I		
a = 0.269342 + 0.314336I	12.92890 - 2.39291I	0
b = -0.555974 - 0.506101I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.250330		
a = 1.31749	-0.556749	-17.9340
b = -0.277430		

$$\text{II. } I_2^u = \\ \langle -4u^{16} + 17u^{15} + \dots + b - 13, \ 2u^{16} - 9u^{15} + \dots + a + 9, \ u^{17} - 3u^{16} + \dots + 3u - 1 \rangle$$

(i) Arc colorings

$$a_{4} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

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

$$a_{8} = \begin{pmatrix} -2u^{16} + 9u^{15} + \dots + 23u - 9 \\ 4u^{16} - 17u^{15} + \dots + 39u + 13 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} u^{16} + u^{15} + \dots + 14u - 7 \\ u^{15} - 3u^{14} + \dots - 9u^{2} + 3u \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} 2u^{16} - 5u^{15} + \dots - 2u - 2 \\ 6u^{16} - 24u^{15} + \dots - 54u + 18 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 2u^{16} - 8u^{15} + \dots - 16u + 4 \\ 4u^{16} - 17u^{15} + \dots - 39u + 13 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} u^{16} - 3u^{15} + \dots - 9u + 2 \\ -3u^{16} + 3u^{15} + \dots - 20u + 11 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -5u^{15} + 13u^{14} + \dots - 26u + 12 \\ -2u^{16} + 5u^{15} + \dots + 11u - 4 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 7u^{16} - 21u^{15} + \dots - 31u + 7 \\ -10u^{16} + 21u^{15} + \dots - u + 11 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 7u^{16} - 21u^{15} + \dots - 31u + 7 \\ -10u^{16} + 21u^{15} + \dots - u + 11 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$26u^{15} - 69u^{14} + 224u^{13} - 464u^{12} + 831u^{11} - 1276u^{10} + 1639u^9 - 1917u^8 + 1955u^7 - 1740u^6 + 1409u^5 - 966u^4 + 603u^3 - 348u^2 + 124u - 61$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{17} + 4u^{14} + \dots - 2u + 1$
c_2	$u^{17} + u^{16} + \dots - u - 1$
c_3	$u^{17} + 3u^{16} + \dots + 3u + 1$
c_4, c_5	$u^{17} + 10u^{15} + \dots + 4u - 1$
	$u^{17} - u^{16} + \dots - u + 1$
	$u^{17} + 3u^{16} + \dots - 3u - 1$
<i>C</i> ₈	$u^{17} + 2u^{15} + \dots + 8u - 1$
<i>C</i> 9	$u^{17} + 10u^{15} + \dots + 4u + 1$
c_{10}	$u^{17} - 3u^{16} + \dots - 3u + 1$
c_{11}	$u^{17} - 3u^{16} + \dots + 3u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{17} - 8y^{15} + \dots + 14y - 1$
c_2, c_6	$y^{17} + 11y^{16} + \dots - 9y - 1$
c_3, c_{11}	$y^{17} + 11y^{16} + \dots - 11y - 1$
c_4, c_5, c_9	$y^{17} + 20y^{16} + \dots + 6y - 1$
c_7, c_{10}	$y^{17} - 13y^{16} + \dots + 17y - 1$
c ₈	$y^{17} + 4y^{16} + \dots + 64y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.970340 + 0.369674I		
a = 0.082146 - 0.548774I	1.58186 + 1.44687I	-12.74306 - 0.50340I
b = 0.958683 - 0.382244I		
u = 0.970340 - 0.369674I		
a = 0.082146 + 0.548774I	1.58186 - 1.44687I	-12.74306 + 0.50340I
b = 0.958683 + 0.382244I		
u = 1.06426		
a = -0.386536	-3.16307	-6.26090
b = -0.937806		
u = 0.415465 + 1.043720I		
a = -0.02803 - 1.80166I	3.82426 - 5.50171I	-7.72486 + 9.04908I
b = 1.14564 + 1.02665I		
u = 0.415465 - 1.043720I		
a = -0.02803 + 1.80166I	3.82426 + 5.50171I	-7.72486 - 9.04908I
b = 1.14564 - 1.02665I		
u = -0.411986 + 1.047170I		
a = -0.41911 - 1.63987I	4.11922 + 1.69900I	-9.79770 - 2.05049I
b = -0.639145 + 0.205996I		
u = -0.411986 - 1.047170I		
a = -0.41911 + 1.63987I	4.11922 - 1.69900I	-9.79770 + 2.05049I
b = -0.639145 - 0.205996I		
u = -0.415450 + 0.673435I		
a = 2.22895 + 1.77293I	8.23130 + 5.15613I	-5.47996 - 8.66451I
b = 0.692275 - 0.524414I		
u = -0.415450 - 0.673435I		
a = 2.22895 - 1.77293I	8.23130 - 5.15613I	-5.47996 + 8.66451I
b = 0.692275 + 0.524414I		
u = 0.319700 + 1.188610I		
a = 0.64233 + 1.31072I	1.54004 - 3.31007I	-6.32469 + 4.61953I
b = -0.841355 - 0.598338I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.319700 - 1.188610I		
a = 0.64233 - 1.31072I	1.54004 + 3.31007I	-6.32469 - 4.61953I
b = -0.841355 + 0.598338I		
u = 0.092981 + 0.715967I		
a = 0.082641 - 0.564957I	-0.66199 + 1.48033I	-1.64235 + 0.60543I
b = -1.358690 + 0.329537I		
u = 0.092981 - 0.715967I		
a = 0.082641 + 0.564957I	-0.66199 - 1.48033I	-1.64235 - 0.60543I
b = -1.358690 - 0.329537I		
u = 0.195728 + 0.611465I		
a = -1.91543 - 0.10133I	1.99220 + 2.29835I	-12.88695 - 2.30559I
b = 1.54360 - 0.46904I		
u = 0.195728 - 0.611465I		
a = -1.91543 + 0.10133I	1.99220 - 2.29835I	-12.88695 + 2.30559I
b = 1.54360 + 0.46904I		
u = -0.19891 + 1.62363I		
a = -0.480233 + 0.343526I	12.20840 - 1.95505I	-9.77000 + 2.99480I
b = 0.467885 + 0.102198I		
u = -0.19891 - 1.62363I		
a = -0.480233 - 0.343526I	12.20840 + 1.95505I	-9.77000 - 2.99480I
b = 0.467885 - 0.102198I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ \left (u^{17} + 4u^{14} + \dots - 2u + 1)(u^{71} - u^{70} + \dots - 253u + 121) \right $
c_2	$(u^{17} + u^{16} + \dots - u - 1)(u^{71} + 2u^{70} + \dots + 212u + 103)$
c_3	$ (u^{17} + 3u^{16} + \dots + 3u + 1)(u^{71} - 4u^{70} + \dots - 82u + 19) $
c_4,c_5	$ (u^{17} + 10u^{15} + \dots + 4u - 1)(u^{71} + u^{70} + \dots - 9u + 11) $
<i>C</i> ₆	$(u^{17} - u^{16} + \dots - u + 1)(u^{71} + 2u^{70} + \dots + 212u + 103)$
c_7	$(u^{17} + 3u^{16} + \dots - 3u - 1)(u^{71} - 18u^{69} + \dots + 28u + 19)$
c_8	$(u^{17} + 2u^{15} + \dots + 8u - 1)(u^{71} + u^{70} + \dots + 75261u + 69721)$
<i>c</i> ₉	$(u^{17} + 10u^{15} + \dots + 4u + 1)(u^{71} + u^{70} + \dots - 9u + 11)$
c_{10}	$(u^{17} - 3u^{16} + \dots - 3u + 1)(u^{71} - 18u^{69} + \dots + 28u + 19)$
c_{11}	$(u^{17} - 3u^{16} + \dots + 3u - 1)(u^{71} - 4u^{70} + \dots - 82u + 19)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing	
c_1	$ (y^{17} - 8y^{15} + \dots + 14y - 1)(y^{71} + 13y^{70} + \dots - 110473y - 14641) $	
c_2, c_6	$(y^{17} + 11y^{16} + \dots - 9y - 1)(y^{71} + 52y^{70} + \dots - 123976y - 10609)$	
c_3, c_{11}	$(y^{17} + 11y^{16} + \dots - 11y - 1)(y^{71} + 48y^{70} + \dots - 4562y - 361)$	
c_4,c_5,c_9	$(y^{17} + 20y^{16} + \dots + 6y - 1)(y^{71} + 77y^{70} + \dots + 103y - 121)$	
c_7, c_{10}	$(y^{17} - 13y^{16} + \dots + 17y - 1)(y^{71} - 36y^{70} + \dots + 9258y - 361)$	
c ₈	$(y^{17} + 4y^{16} + \dots + 64y - 1)$ $\cdot (y^{71} + 37y^{70} + \dots - 78658032583y - 4861017841)$	