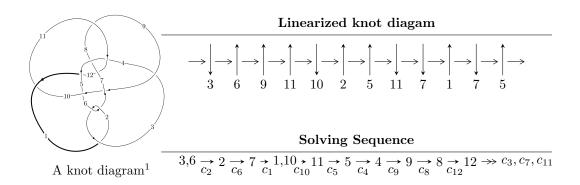
$12n_{0463} \ (K12n_{0463})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle 1.95032 \times 10^{31} u^{56} + 1.71447 \times 10^{31} u^{55} + \dots + 4.19522 \times 10^{30} b + 2.83748 \times 10^{30},$$

$$6.77996 \times 10^{28} u^{56} + 1.77525 \times 10^{28} u^{55} + \dots + 4.19522 \times 10^{30} a + 2.18312 \times 10^{31}, \ u^{57} + u^{56} + \dots - 4u + 1 \rangle$$

$$I_2^u = \langle -22u^{18} - 181u^{17} + \dots + 163b - 517, \ -236u^{18} + 207u^{17} + \dots + 489a - 656, \ u^{19} + 4u^{17} + \dots + u + 3 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 76 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.

 $I. \\ I_1^u = \langle 1.95 \times 10^{31} u^{56} + 1.71 \times 10^{31} u^{55} + \dots + 4.20 \times 10^{30} b + 2.84 \times 10^{30}, \ 6.78 \times 10^{28} u^{56} + 1.78 \times 10^{28} u^{55} + \dots + 4.20 \times 10^{30} a + 2.18 \times 10^{31}, \ u^{57} + u^{56} + \dots - 4u + 1 \rangle$

(i) Arc colorings

$$a_{3} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -0.0161612u^{56} - 0.00423161u^{55} + \dots + 9.21492u - 5.20384 \\ -4.64891u^{56} - 4.08673u^{55} + \dots + 8.22561u - 0.676360 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 1.35701u^{56} - 1.90195u^{55} + \dots + 15.5812u - 3.61076 \\ -0.690005u^{56} - 0.579020u^{55} + \dots + 15.5812u - 3.61076 \\ -1.38197u^{56} - 3.25826u^{55} + \dots + 15.1658u - 1.78365 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 0.0705764u^{56} + 1.77602u^{55} + \dots + 7.98057u - 8.40092 \\ -1.38197u^{56} - 3.25826u^{55} + \dots + 15.1658u - 1.78365 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 0.343593u^{56} - 4.84658u^{55} + \dots + 27.2515u - 12.4708 \\ 0.831823u^{56} + 1.66029u^{55} + \dots + 4.45631u + 2.03328 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 2.85272u^{56} - 0.882312u^{55} + \dots + 16.7462u - 5.66879 \\ -1.66635u^{56} - 1.20242u^{55} + \dots - 2.09986u + 2.60564 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} -2.83296u^{56} - 0.179396u^{55} + \dots - 13.2309u + 6.27694 \\ -1.18756u^{56} - 1.89146u^{55} + \dots + 4.35427u - 0.0534336 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -0.245429u^{56} - 0.791586u^{55} + \dots + 10.2920u - 3.11445 \\ -2.79987u^{56} - 2.53249u^{55} + \dots + 6.69697u - 0.0731651 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-1.53377u^{56} 2.13196u^{55} + \cdots + 30.2938u 21.3146$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{57} + 25u^{56} + \dots + 14u - 1$
c_2, c_6	$u^{57} - u^{56} + \dots - 4u - 1$
c_3, c_7	$u^{57} + u^{56} + \dots + 20u - 1$
c_4	$u^{57} + 57u^{55} + \dots - 5u - 1$
<i>C</i> ₅	$u^{57} + 2u^{56} + \dots - 20u - 8$
<i>c</i> ₈	$u^{57} + 12u^{56} + \dots + 6371062u - 656059$
<i>c</i> ₉	$u^{57} - 16u^{56} + \dots + 4109u - 103$
c_{10}	$u^{57} + 17u^{56} + \dots - 1408u - 121$
c_{11}	$u^{57} - 2u^{56} + \dots + 2391u - 4381$
c_{12}	$u^{57} - 5u^{56} + \dots - 406462u - 931379$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{57} + 17y^{56} + \dots + 290y - 1$
c_2, c_6	$y^{57} + 25y^{56} + \dots + 14y - 1$
c_3, c_7	$y^{57} + 81y^{56} + \dots - 90y - 1$
c_4	$y^{57} + 114y^{56} + \dots - 39y - 1$
<i>c</i> ₅	$y^{57} - 6y^{56} + \dots + 3024y - 64$
<i>c</i> ₈	$y^{57} - 102y^{56} + \dots + 13754392721800y - 430413411481$
<i>C</i> 9	$y^{57} - 40y^{56} + \dots + 8276171y - 10609$
c_{10}	$y^{57} + 5y^{56} + \dots - 20328y - 14641$
c_{11}	$y^{57} - 106y^{56} + \dots - 199156203y - 19193161$
c_{12}	$y^{57} + 47y^{56} + \dots - 15214664971620y - 867466841641$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.349956 + 0.946672I		
a = -0.303689 - 0.199224I	-12.39530 - 1.32883I	-10.52705 + 0.14046I
b = -2.29980 - 2.68295I		
u = -0.349956 - 0.946672I		
a = -0.303689 + 0.199224I	-12.39530 + 1.32883I	-10.52705 - 0.14046I
b = -2.29980 + 2.68295I		
u = -0.924015 + 0.413182I		
a = 1.43213 - 0.45322I	-10.15880 + 9.30058I	0.80484 - 3.88564I
b = 0.39289 - 1.40886I		
u = -0.924015 - 0.413182I		
a = 1.43213 + 0.45322I	-10.15880 - 9.30058I	0.80484 + 3.88564I
b = 0.39289 + 1.40886I		
u = -0.966093 + 0.416915I		
a = -0.349131 + 0.038307I	1.114500 + 0.475775I	-1.77277 - 7.35288I
b = -0.007320 + 0.449427I		
u = -0.966093 - 0.416915I		
a = -0.349131 - 0.038307I	1.114500 - 0.475775I	-1.77277 + 7.35288I
b = -0.007320 - 0.449427I		
u = 0.321525 + 1.004170I		
a = -1.47698 - 1.06277I	-13.15110 + 0.96971I	-6.75666 - 1.21694I
b = 1.04811 - 2.34391I		
u = 0.321525 - 1.004170I		
a = -1.47698 + 1.06277I	-13.15110 - 0.96971I	-6.75666 + 1.21694I
b = 1.04811 + 2.34391I		
u = -0.276056 + 0.903211I		
a = -0.236831 - 1.280450I	-1.86758 - 2.05981I	-0.46331 + 1.96537I
b = -0.587986 - 0.401848I		
u = -0.276056 - 0.903211I		
a = -0.236831 + 1.280450I	-1.86758 + 2.05981I	-0.46331 - 1.96537I
b = -0.587986 + 0.401848I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.846735 + 0.415561I		
a = 1.293880 + 0.511117I	0.02058 - 4.34656I	0.26821 + 3.69834I
b = 0.365878 + 1.061840I		
u = 0.846735 - 0.415561I		
a = 1.293880 - 0.511117I	0.02058 + 4.34656I	0.26821 - 3.69834I
b = 0.365878 - 1.061840I		
u = 0.397636 + 0.979748I		
a = -0.015757 + 0.428561I	-3.43752 + 1.28189I	-5.91191 - 1.08703I
b = -1.39141 + 1.12780I		
u = 0.397636 - 0.979748I		
a = -0.015757 - 0.428561I	-3.43752 - 1.28189I	-5.91191 + 1.08703I
b = -1.39141 - 1.12780I		
u = -0.408296 + 0.978654I		
a = 1.27837 + 0.98027I	-2.61713 - 0.73681I	-3.54054 + 3.15346I
b = 0.910664 - 0.028975I		
u = -0.408296 - 0.978654I		
a = 1.27837 - 0.98027I	-2.61713 + 0.73681I	-3.54054 - 3.15346I
b = 0.910664 + 0.028975I		
u = -0.675685 + 0.597241I		
a = 0.876923 - 0.578864I	1.50545 - 1.28490I	3.77323 + 4.50863I
b = -0.097247 - 0.847074I		
u = -0.675685 - 0.597241I		
a = 0.876923 + 0.578864I	1.50545 + 1.28490I	3.77323 - 4.50863I
b = -0.097247 + 0.847074I		
u = 0.459215 + 1.005020I		
a = -0.284902 + 0.841083I	-3.04982 + 4.72917I	-4.15324 - 9.32450I
b = 0.106017 + 1.132020I		
u = 0.459215 - 1.005020I		
a = -0.284902 - 0.841083I	-3.04982 - 4.72917I	-4.15324 + 9.32450I
b = 0.106017 - 1.132020I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.711622 + 0.542227I		
a = -0.978562 - 0.301016I	2.68108 - 2.12211I	6.33969 + 1.94365I
b = 0.115817 - 1.372610I		
u = 0.711622 - 0.542227I		
a = -0.978562 + 0.301016I	2.68108 + 2.12211I	6.33969 - 1.94365I
b = 0.115817 + 1.372610I		
u = -0.501529 + 1.005740I		
a = -0.67417 + 1.37103I	-1.95552 - 5.12176I	0. + 6.61060I
b = 1.67778 + 2.16523I		
u = -0.501529 - 1.005740I		
a = -0.67417 - 1.37103I	-1.95552 + 5.12176I	0 6.61060I
b = 1.67778 - 2.16523I		
u = 0.199034 + 0.817620I		
a = 0.803863 - 0.976801I	-1.70481 - 1.56112I	-0.16745 + 5.41560I
b = -0.276848 - 0.608793I		
u = 0.199034 - 0.817620I		
a = 0.803863 + 0.976801I	-1.70481 + 1.56112I	-0.16745 - 5.41560I
b = -0.276848 + 0.608793I		
u = -0.538375 + 1.030800I		
a = -0.116672 - 0.787747I	-10.96040 - 4.57401I	0
b = 0.28486 - 2.44669I		
u = -0.538375 - 1.030800I		
a = -0.116672 + 0.787747I	-10.96040 + 4.57401I	0
b = 0.28486 + 2.44669I		
u = -0.584272 + 1.019390I		
a = 0.400981 - 0.948656I	0.20940 - 3.59994I	0
b = -0.83486 - 1.37560I		
u = -0.584272 - 1.019390I		
a = 0.400981 + 0.948656I	0.20940 + 3.59994I	0
b = -0.83486 + 1.37560I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.527359 + 1.065210I		
a = 1.64010 - 0.51000I	-11.70070 + 5.59902I	0
b = 0.93686 + 1.21045I		
u = 0.527359 - 1.065210I		
a = 1.64010 + 0.51000I	-11.70070 - 5.59902I	0
b = 0.93686 - 1.21045I		
u = 0.996785 + 0.661596I		
a = -0.195695 + 0.706856I	-8.63281 + 4.27743I	0
b = -0.836567 + 0.341424I		
u = 0.996785 - 0.661596I		
a = -0.195695 - 0.706856I	-8.63281 - 4.27743I	0
b = -0.836567 - 0.341424I		
u = 0.605290 + 1.038470I		
a = -0.327621 - 0.864561I	1.19878 + 7.18626I	0
b = 1.42976 - 1.72470I		
u = 0.605290 - 1.038470I		
a = -0.327621 + 0.864561I	1.19878 - 7.18626I	0
b = 1.42976 + 1.72470I		
u = 0.058017 + 1.216930I		
a = -0.305650 + 0.796434I	-5.73579 - 1.82350I	0
b = -0.521846 + 0.385158I		
u = 0.058017 - 1.216930I		
a = -0.305650 - 0.796434I	-5.73579 + 1.82350I	0
b = -0.521846 - 0.385158I		
u = -0.570883 + 0.483592I		
a = 1.42182 + 0.20086I	-9.37580 + 0.10389I	-0.28028 - 1.50449I
b = -1.056060 + 0.012511I		
u = -0.570883 - 0.483592I		
a = 1.42182 - 0.20086I	-9.37580 - 0.10389I	-0.28028 + 1.50449I
b = -1.056060 - 0.012511I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.421818 + 0.600652I		
a = -1.77014 + 0.12826I	-0.649695 + 1.123590I	1.75264 - 1.62857I
b = 0.01207 + 1.76563I		
u = -0.421818 - 0.600652I		
a = -1.77014 - 0.12826I	-0.649695 - 1.123590I	1.75264 + 1.62857I
b = 0.01207 - 1.76563I		
u = 0.625228 + 1.120040I		
a = 0.285068 + 1.206890I	-2.08741 + 9.80069I	0
b = -1.23895 + 1.72070I		
u = 0.625228 - 1.120040I		
a = 0.285068 - 1.206890I	-2.08741 - 9.80069I	0
b = -1.23895 - 1.72070I		
u = -0.075556 + 1.291700I		
a = -0.595125 - 0.881595I	-16.3180 + 6.3103I	0
b = -0.251519 - 0.446971I		
u = -0.075556 - 1.291700I		
a = -0.595125 + 0.881595I	-16.3180 - 6.3103I	0
b = -0.251519 + 0.446971I		
u = 0.595217 + 0.376896I		
a = -0.49225 + 2.24517I	-9.74503 - 1.13283I	0.125687 + 0.944361I
b = -0.95401 + 1.43916I		
u = 0.595217 - 0.376896I		
a = -0.49225 - 2.24517I	-9.74503 + 1.13283I	0.125687 - 0.944361I
b = -0.95401 - 1.43916I		
u = -0.652334 + 1.131340I		
a = -0.054821 + 0.544694I	-1.05681 - 6.25223I	0
b = 0.97755 + 1.04049I		
u = -0.652334 - 1.131340I		
a = -0.054821 - 0.544694I	-1.05681 + 6.25223I	0
b = 0.97755 - 1.04049I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.648644 + 1.154300I		
a = 0.242666 - 1.233560I	-12.4207 - 15.0539I	0
b = -1.57143 - 2.00829I		
u = -0.648644 - 1.154300I		
a = 0.242666 + 1.233560I	-12.4207 + 15.0539I	0
b = -1.57143 + 2.00829I		
u = -0.671768		
a = 0.366130	1.20012	11.5930
b = 0.477596		
u = 0.80509 + 1.19177I		
a = 0.354067 - 0.302190I	-10.20330 + 2.47505I	0
b = 0.803093 + 0.109041I		
u = 0.80509 - 1.19177I		
a = 0.354067 + 0.302190I	-10.20330 - 2.47505I	0
b = 0.803093 - 0.109041I		
u = 0.280643 + 0.019804I		
a = 2.46507 + 1.48163I	-1.21526 - 1.45435I	-0.50304 + 4.00620I
b = 0.125719 - 0.515240I		
u = 0.280643 - 0.019804I		
a = 2.46507 - 1.48163I	-1.21526 + 1.45435I	-0.50304 - 4.00620I
b = 0.125719 + 0.515240I		

II.
$$I_2^u = \langle -22u^{18} - 181u^{17} + \dots + 163b - 517, \ -236u^{18} + 207u^{17} + \dots + 489a - 656, \ u^{19} + 4u^{17} + \dots + u + 3 \rangle$$

(i) Arc colorings

$$a_{3} = \begin{pmatrix} 1 \\ 0 \\ a_{6} = \begin{pmatrix} 0 \\ u \\ \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} u \\ u^{3} + u \\ \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.482618u^{18} - 0.423313u^{17} + \dots + 2.27198u + 1.34151 \\ 0.134969u^{18} + 1.11043u^{17} + \dots + 2.71166u + 3.17178 \\ \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 1.01022u^{18} - 0.809816u^{17} + \dots + 2.78119u + 0.740286 \\ u^{17} + 4u^{15} + \dots + u + 4 \\ \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} -0.750511u^{18} - 0.159509u^{17} + \dots - 0.139059u - 2.13701 \\ 1.43558u^{18} - 0.0981595u^{17} + \dots + 4.47853u - 1.26380 \\ \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 0.523517u^{18} + 0.337423u^{17} + \dots + 2.39673u - 1.69734 \\ -0.533742u^{18} - 0.527607u^{17} + \dots - 1.17791u - 0.0429448 \\ \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1.43967u^{18} - 0.822086u^{17} + \dots + 2.59100u - 0.167689 \\ -0.325153u^{18} + 0.552147u^{17} + \dots + 0.558282u + 2.85890 \\ \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0.482618u^{18} - 0.423313u^{17} + \dots + 2.27198u - 2.65849 \\ 0.423313u^{18} - 0.926380u^{17} + \dots - 1.85890u - 2.55215 \\ \end{pmatrix}$$

$$\begin{pmatrix} 0.482618u^{18} - 0.423313u^{17} + \dots + 2.27198u + 2.34151 \\ 0.482618u^{18} - 0.423313u^{17} + \dots + 1.68712u + 4.44172 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-\frac{52}{163}u^{18} - \frac{87}{163}u^{17} + \dots - \frac{941}{163}u - \frac{1059}{163}u$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{19} - 8u^{18} + \dots - 47u + 9$
c_2	$u^{19} + 4u^{17} + \dots + u + 3$
c_3	$u^{19} + 10u^{17} + \dots + 3u + 1$
c_4	$u^{19} + u^{18} + \dots + 2u - 1$
<i>C</i> ₅	$u^{19} + u^{18} + \dots + 2u - 1$
c_6	$u^{19} + 4u^{17} + \dots + u - 3$
c_7	$u^{19} + 10u^{17} + \dots + 3u - 1$
c_8	$u^{19} - 15u^{18} + \dots + 17u - 3$
c_9	$u^{19} + 3u^{18} + \dots - u^2 + 1$
c_{10}	$u^{19} + 4u^{18} + \dots + 5u + 1$
c_{11}	$u^{19} - u^{18} + \dots + 6u + 1$
c_{12}	$u^{19} + 2u^{18} + \dots - u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{19} + 8y^{18} + \dots - 131y - 81$
c_2, c_6	$y^{19} + 8y^{18} + \dots - 47y - 9$
c_3, c_7	$y^{19} + 20y^{18} + \dots - 7y - 1$
C4	$y^{19} + 13y^{18} + \dots + 12y - 1$
<i>C</i> ₅	$y^{19} + y^{18} + \dots - 6y - 1$
C ₈	$y^{19} - 19y^{18} + \dots - 101y - 9$
<i>c</i> ₉	$y^{19} - 21y^{18} + \dots + 2y - 1$
c_{10}	$y^{19} - 8y^{18} + \dots + 7y - 1$
c_{11}	$y^{19} - 19y^{18} + \dots - 48y - 1$
c_{12}	$y^{19} + 6y^{18} + \dots - y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.809380 + 0.609336I		
a = -0.642590 + 0.567390I	1.93114 + 0.05703I	5.27608 - 0.61329I
b = -0.033190 + 1.100160I		
u = -0.809380 - 0.609336I		
a = -0.642590 - 0.567390I	1.93114 - 0.05703I	5.27608 + 0.61329I
b = -0.033190 - 1.100160I		
u = 0.380702 + 0.892229I		
a = 0.864989 + 0.488196I	-11.73130 + 1.58594I	1.69710 - 4.85525I
b = -1.45142 + 3.06408I		
u = 0.380702 - 0.892229I		
a = 0.864989 - 0.488196I	-11.73130 - 1.58594I	1.69710 + 4.85525I
b = -1.45142 - 3.06408I		
u = -0.950794		
a = 0.534200	0.736407	-10.1920
b = 0.417548		
u = 0.106744 + 1.047650I		
a = 0.605523 - 0.806007I	-3.40808 - 2.06211I	-4.23882 + 3.25949I
b = 0.379570 - 0.884630I		
u = 0.106744 - 1.047650I		
a = 0.605523 + 0.806007I	-3.40808 + 2.06211I	-4.23882 - 3.25949I
b = 0.379570 + 0.884630I		
u = 0.792456 + 0.478311I		
a = -1.237570 - 0.352759I	1.79413 - 3.68410I	3.77498 + 3.60536I
b = 0.061164 - 1.114880I		
u = 0.792456 - 0.478311I		
a = -1.237570 + 0.352759I	1.79413 + 3.68410I	3.77498 - 3.60536I
b = 0.061164 + 1.114880I		
u = -0.312010 + 0.855320I		
a = 1.26370 + 0.74522I	-1.95432 + 0.51994I	-3.03581 + 0.54030I
b = -0.083954 - 0.552115I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.312010 - 0.855320I		
a = 1.26370 - 0.74522I	-1.95432 - 0.51994I	-3.03581 - 0.54030I
b = -0.083954 + 0.552115I		
u = -0.402259 + 1.014470I		
a = -0.054502 - 1.190310I	-2.70781 - 3.32351I	-4.18487 + 4.02916I
b = -0.90125 - 1.24715I		
u = -0.402259 - 1.014470I		
a = -0.054502 + 1.190310I	-2.70781 + 3.32351I	-4.18487 - 4.02916I
b = -0.90125 + 1.24715I		
u = -0.635239 + 1.022560I		
a = -0.614017 + 0.776240I	0.65149 - 5.44524I	1.78951 + 4.96299I
b = 0.90356 + 1.37817I		
u = -0.635239 - 1.022560I		
a = -0.614017 - 0.776240I	0.65149 + 5.44524I	1.78951 - 4.96299I
b = 0.90356 - 1.37817I		
u = 0.732861 + 0.997527I		
a = -0.376611 - 0.095684I	-9.58271 + 2.96759I	-0.28434 - 4.02482I
b = -0.241631 + 0.261608I		
u = 0.732861 - 0.997527I		
a = -0.376611 + 0.095684I	-9.58271 - 2.96759I	-0.28434 + 4.02482I
b = -0.241631 - 0.261608I		
u = 0.621521 + 1.087370I		
a = -0.242691 - 1.035660I	-0.03477 + 9.00564I	0.80205 - 7.81650I
b = 1.15837 - 1.98145I		
u = 0.621521 - 1.087370I		
a = -0.242691 + 1.035660I	-0.03477 - 9.00564I	0.80205 + 7.81650I
b = 1.15837 + 1.98145I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ \left (u^{19} - 8u^{18} + \dots - 47u + 9)(u^{57} + 25u^{56} + \dots + 14u - 1) \right $
c_2	$ (u^{19} + 4u^{17} + \dots + u + 3)(u^{57} - u^{56} + \dots - 4u - 1) $
c_3	$(u^{19} + 10u^{17} + \dots + 3u + 1)(u^{57} + u^{56} + \dots + 20u - 1)$
<i>c</i> ₄	$(u^{19} + u^{18} + \dots + 2u - 1)(u^{57} + 57u^{55} + \dots - 5u - 1)$
<i>C</i> 5	$(u^{19} + u^{18} + \dots + 2u - 1)(u^{57} + 2u^{56} + \dots - 20u - 8)$
c_6	$(u^{19} + 4u^{17} + \dots + u - 3)(u^{57} - u^{56} + \dots - 4u - 1)$
	$(u^{19} + 10u^{17} + \dots + 3u - 1)(u^{57} + u^{56} + \dots + 20u - 1)$
c ₈	$(u^{19} - 15u^{18} + \dots + 17u - 3)$ $\cdot (u^{57} + 12u^{56} + \dots + 6371062u - 656059)$
<i>c</i> 9	$ (u^{19} + 3u^{18} + \dots - u^2 + 1)(u^{57} - 16u^{56} + \dots + 4109u - 103) $
c_{10}	$(u^{19} + 4u^{18} + \dots + 5u + 1)(u^{57} + 17u^{56} + \dots - 1408u - 121)$
c_{11}	$(u^{19} - u^{18} + \dots + 6u + 1)(u^{57} - 2u^{56} + \dots + 2391u - 4381)$
c_{12}	$(u^{19} + 2u^{18} + \dots - u + 1)(u^{57} - 5u^{56} + \dots - 406462u - 931379)$ 18

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^{19} + 8y^{18} + \dots - 131y - 81)(y^{57} + 17y^{56} + \dots + 290y - 1)$
c_2, c_6	$(y^{19} + 8y^{18} + \dots - 47y - 9)(y^{57} + 25y^{56} + \dots + 14y - 1)$
c_{3}, c_{7}	$(y^{19} + 20y^{18} + \dots - 7y - 1)(y^{57} + 81y^{56} + \dots - 90y - 1)$
c_4	$(y^{19} + 13y^{18} + \dots + 12y - 1)(y^{57} + 114y^{56} + \dots - 39y - 1)$
c_5	$(y^{19} + y^{18} + \dots - 6y - 1)(y^{57} - 6y^{56} + \dots + 3024y - 64)$
c ₈	$(y^{19} - 19y^{18} + \dots - 101y - 9)$ $\cdot (y^{57} - 102y^{56} + \dots + 13754392721800y - 430413411481)$
<i>c</i> ₉	$(y^{19} - 21y^{18} + \dots + 2y - 1)(y^{57} - 40y^{56} + \dots + 8276171y - 10609)$
c_{10}	$(y^{19} - 8y^{18} + \dots + 7y - 1)(y^{57} + 5y^{56} + \dots - 20328y - 14641)$
c_{11}	$(y^{19} - 19y^{18} + \dots - 48y - 1)$ $\cdot (y^{57} - 106y^{56} + \dots - 199156203y - 19193161)$
c_{12}	$(y^{19} + 6y^{18} + \dots - y - 1)$ $\cdot (y^{57} + 47y^{56} + \dots - 15214664971620y - 867466841641)$