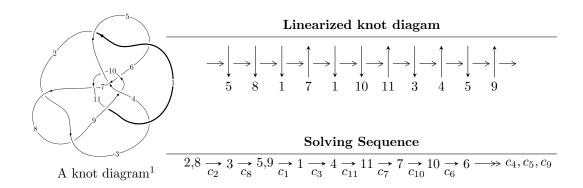
$11n_{177} (K11n_{177})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -3.24572 \times 10^{142} u^{60} + 1.72689 \times 10^{142} u^{59} + \dots + 4.07698 \times 10^{142} b - 1.22998 \times 10^{145}, \\ &- 2.97918 \times 10^{145} u^{60} + 1.11595 \times 10^{145} u^{59} + \dots + 8.60243 \times 10^{144} a - 1.02025 \times 10^{148}, \\ &u^{61} - u^{60} + \dots + 1440 u - 211 \rangle \\ I_2^u &= \langle -191 u^{19} - 54 u^{18} + \dots + 871 b - 1760, \ -5462 u^{19} + 3472 u^{18} + \dots + 871 a - 3488, \\ &u^{20} - 10 u^{18} + \dots - 3 u + 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 81 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.
$$I_1^u = \langle -3.25 \times 10^{142} u^{60} + 1.73 \times 10^{142} u^{59} + \dots + 4.08 \times 10^{142} b - 1.23 \times 10^{145}, \ -2.98 \times 10^{145} u^{60} + 1.12 \times 10^{145} u^{59} + \dots + 8.60 \times 10^{144} a - 1.02 \times 10^{148}, \ u^{61} - u^{60} + \dots + 1440 u - 211 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_3 = \begin{pmatrix} 1 \\ u^2 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} 3.46318u^{60} - 1.29725u^{59} + \dots - 6140.42u + 1186.01 \\ 0.796110u^{60} - 0.423570u^{59} + \dots - 1559.98u + 301.690 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} -u \\ -u^3 + u \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 1.29224u^{60} - 0.448881u^{59} + \dots - 2255.76u + 429.617 \\ 1.27366u^{60} - 0.370816u^{59} + \dots - 2085.03u + 390.903 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} 1.28221u^{60} - 0.453127u^{59} + \dots - 2204.36u + 413.438 \\ -0.635387u^{60} + 0.249195u^{59} + \dots + 1132.30u - 216.875 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.388456u^{60} - 0.195779u^{59} + \dots - 775.545u + 151.289 \\ 1.67899u^{60} - 0.538031u^{59} + \dots - 2818.97u + 531.938 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -0.630060u^{60} + 0.197657u^{59} + \dots + 1058.49u - 208.443 \\ -2.03043u^{60} + 0.716573u^{59} + \dots + 3492.84u - 661.096 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -0.747989u^{60} + 0.276535u^{59} + \dots + 1286.06u - 236.612 \\ 0.433328u^{60} - 0.123845u^{59} + \dots + 1286.06u - 236.612 \\ 0.433328u^{60} - 0.123845u^{59} + \dots + 1929.57u - 371.367 \\ -1.29217u^{60} + 0.498917u^{59} + \dots + 1929.57u - 371.367 \\ -1.29217u^{60} + 0.498917u^{59} + \dots + 1929.57u - 371.367 \\ -1.29217u^{60} + 0.498917u^{59} + \dots + 1929.57u - 371.367 \\ -1.29217u^{60} + 0.498917u^{59} + \dots + 1929.57u - 371.367 \\ -1.29217u^{60} + 0.498917u^{59} + \dots + 1929.57u - 371.367 \\ -1.29217u^{60} + 0.498917u^{59} + \dots + 1286.85u - 430.204 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-7.66374u^{60} + 2.83409u^{59} + \cdots + 13662.1u 2642.77$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1, c_5	$u^{61} + 2u^{60} + \dots - 25u + 1$
c_2, c_8	$u^{61} - u^{60} + \dots + 1440u - 211$
<i>c</i> ₃	$u^{61} - 4u^{60} + \dots - 957u + 121$
c_4	$u^{61} + 6u^{60} + \dots + 22u + 1$
	$u^{61} + 4u^{60} + \dots + 6790u - 2531$
<i>C</i> ₇	$u^{61} + u^{60} + \dots - 9850u - 2333$
c_9	$u^{61} + 2u^{60} + \dots + 529u + 41$
c_{10}	$u^{61} - 10u^{59} + \dots - 62973u + 14123$
c_{11}	$u^{61} - 4u^{60} + \dots + 6u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1,c_5	$y^{61} - 54y^{60} + \dots + 111y - 1$
c_2, c_8	$y^{61} - 57y^{60} + \dots + 631204y - 44521$
c_3	$y^{61} - 28y^{60} + \dots + 684255y - 14641$
C4	$y^{61} - 16y^{60} + \dots + 364y - 1$
c_6	$y^{61} - 14y^{60} + \dots + 234688910y - 6405961$
c_7	$y^{61} + 23y^{60} + \dots + 27116488y - 5442889$
<i>c</i> ₉	$y^{61} + 52y^{59} + \dots - 12653y - 1681$
c_{10}	$y^{61} - 20y^{60} + \dots + 4161767199y - 199459129$
c_{11}	$y^{61} - 8y^{60} + \dots + 12y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.976776 + 0.468629I		
a = -0.15466 - 1.57760I	-3.79970 + 5.99586I	0
b = -1.360820 + 0.112274I		
u = -0.976776 - 0.468629I		
a = -0.15466 + 1.57760I	-3.79970 - 5.99586I	0
b = -1.360820 - 0.112274I		
u = -0.524227 + 0.745772I		
a = -0.531624 + 0.534873I	-2.50680 - 1.31837I	0
b = 1.50782 - 0.08700I		
u = -0.524227 - 0.745772I		
a = -0.531624 - 0.534873I	-2.50680 + 1.31837I	0
b = 1.50782 + 0.08700I		
u = 0.678087 + 0.569708I		
a = 0.116142 - 0.826864I	1.88623 - 2.18277I	0
b = -0.368363 + 0.027145I		
u = 0.678087 - 0.569708I		
a = 0.116142 + 0.826864I	1.88623 + 2.18277I	0
b = -0.368363 - 0.027145I		
u = 0.868659 + 0.085320I		
a = 0.448202 + 1.164690I	4.49837 - 0.35042I	4.30932 - 5.56885I
b = -0.064748 + 1.346320I		
u = 0.868659 - 0.085320I		
a = 0.448202 - 1.164690I	4.49837 + 0.35042I	4.30932 + 5.56885I
b = -0.064748 - 1.346320I		
u = 1.127820 + 0.013378I		
a = 0.848633 - 0.329495I	0.28694 - 2.95538I	0
b = 0.484117 + 0.888170I		
u = 1.127820 - 0.013378I		
a = 0.848633 + 0.329495I	0.28694 + 2.95538I	0
b = 0.484117 - 0.888170I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.827402 + 0.215446I		
a = 0.369344 + 0.142430I	-1.311000 + 0.288972I	-7.97577 + 0.I
b = 0.572552 - 0.128270I		
u = -0.827402 - 0.215446I		
a = 0.369344 - 0.142430I	-1.311000 - 0.288972I	-7.97577 + 0.I
b = 0.572552 + 0.128270I		
u = 0.430791 + 0.712040I		
a = 0.206810 - 0.287330I	2.67011 + 1.18908I	-3.00000 + 2.70122I
b = -0.162616 - 0.032660I		
u = 0.430791 - 0.712040I		
a = 0.206810 + 0.287330I	2.67011 - 1.18908I	-3.00000 - 2.70122I
b = -0.162616 + 0.032660I		
u = 1.101970 + 0.412324I		
a = -0.694898 - 0.236565I	-2.45305 - 5.61811I	0
b = 0.101449 + 0.170923I		
u = 1.101970 - 0.412324I		
a = -0.694898 + 0.236565I	-2.45305 + 5.61811I	0
b = 0.101449 - 0.170923I		
u = 0.725508 + 0.953905I		
a = 0.42999 - 1.48215I	4.00502 - 3.50717I	0
b = 0.16870 + 1.40882I		
u = 0.725508 - 0.953905I		
a = 0.42999 + 1.48215I	4.00502 + 3.50717I	0
b = 0.16870 - 1.40882I		
u = -1.21359		_
a = -2.56444	-4.17679	0
b = -1.62558		
u = 1.072200 + 0.597671I		_
a = 0.029187 - 0.276448I	0.79598 - 6.19961I	0
b = -0.0817486 + 0.0591173I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.072200 - 0.597671I		
a = 0.029187 + 0.276448I	0.79598 + 6.19961I	0
b = -0.0817486 - 0.0591173I		
u = -0.325827 + 0.608474I		
a = 0.939738 + 0.068849I	-1.23241 - 1.81263I	4.83572 + 3.41464I
b = 1.142560 + 0.067073I		
u = -0.325827 - 0.608474I		
a = 0.939738 - 0.068849I	-1.23241 + 1.81263I	4.83572 - 3.41464I
b = 1.142560 - 0.067073I		
u = -1.296100 + 0.257994I		
a = -1.94339 - 0.43070I	-4.62267 + 5.03624I	0
b = -1.63146 - 0.09947I		
u = -1.296100 - 0.257994I		
a = -1.94339 + 0.43070I	-4.62267 - 5.03624I	0
b = -1.63146 + 0.09947I		
u = -1.318920 + 0.232232I		
a = 0.289966 - 0.419451I	-4.69632 + 0.83070I	0
b = 0.121333 - 1.299240I		
u = -1.318920 - 0.232232I		
a = 0.289966 + 0.419451I	-4.69632 - 0.83070I	0
b = 0.121333 + 1.299240I		
u = -1.355280 + 0.007498I		
a = 2.05034 + 0.41832I	-8.02679 - 3.97936I	0
b = 1.57888 - 0.10960I		
u = -1.355280 - 0.007498I		
a = 2.05034 - 0.41832I	-8.02679 + 3.97936I	0
b = 1.57888 + 0.10960I		
u = 0.641002 + 0.014713I		
a = 0.47554 - 2.09406I	2.15550 - 2.60300I	-3.71097 + 4.89250I
b = -0.425124 - 0.689408I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.641002 - 0.014713I		
a = 0.47554 + 2.09406I	2.15550 + 2.60300I	-3.71097 - 4.89250I
b = -0.425124 + 0.689408I		
u = 1.380460 + 0.006140I		
a = -0.106176 - 1.042480I	0.20782 - 3.93388I	0
b = -0.152247 + 0.537690I		
u = 1.380460 - 0.006140I		
a = -0.106176 + 1.042480I	0.20782 + 3.93388I	0
b = -0.152247 - 0.537690I		
u = 1.371230 + 0.218015I		
a = 1.64543 - 0.22255I	-8.65446 - 7.29554I	0
b = 1.62447 + 0.87740I		
u = 1.371230 - 0.218015I		
a = 1.64543 + 0.22255I	-8.65446 + 7.29554I	0
b = 1.62447 - 0.87740I		
u = 0.256892 + 0.520615I		
a = 0.962604 + 0.557526I	-0.17125 + 1.80764I	-1.37492 - 3.40193I
b = -0.018225 - 0.428123I		
u = 0.256892 - 0.520615I		
a = 0.962604 - 0.557526I	-0.17125 - 1.80764I	-1.37492 + 3.40193I
b = -0.018225 + 0.428123I		
u = -0.27863 + 1.40849I		
a = -0.172968 - 0.248864I	-2.68997 + 9.29142I	0
b = -1.61867 + 0.35060I		
u = -0.27863 - 1.40849I		
a = -0.172968 + 0.248864I	-2.68997 - 9.29142I	0
b = -1.61867 - 0.35060I		
u = -0.16045 + 1.43558I		
a = 0.287870 + 0.352022I	-4.00110 + 1.61857I	0
b = 1.44542 - 0.44164I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.16045 - 1.43558I		
a = 0.287870 - 0.352022I	-4.00110 - 1.61857I	0
b = 1.44542 + 0.44164I		
u = -0.550059		
a = -0.221675	-1.86682	-10.5560
b = 1.15486		
u = 1.44832 + 0.14867I		
a = -1.62095 + 0.20059I	-9.14900 - 1.39395I	0
b = -1.65615 - 0.59781I		
u = 1.44832 - 0.14867I		
a = -1.62095 - 0.20059I	-9.14900 + 1.39395I	0
b = -1.65615 + 0.59781I		
u = -1.48243 + 0.25068I		
a = -0.223696 + 0.544024I	-3.01562 + 7.11329I	0
b = 0.07169 + 1.80725I		
u = -1.48243 - 0.25068I		
a = -0.223696 - 0.544024I	-3.01562 - 7.11329I	0
b = 0.07169 - 1.80725I		
u = -1.53749 + 0.15211I		
a = 1.50614 + 0.01272I	-5.39490 + 4.53513I	0
b = 1.68160 + 0.13329I		
u = -1.53749 - 0.15211I		
a = 1.50614 - 0.01272I	-5.39490 - 4.53513I	0
b = 1.68160 - 0.13329I		
u = 0.406916 + 0.168439I		
a = -1.25472 - 5.36486I	3.77024 - 4.53103I	8.22458 + 6.69536I
b = 0.074077 + 0.800622I		
u = 0.406916 - 0.168439I		
a = -1.25472 + 5.36486I	3.77024 + 4.53103I	8.22458 - 6.69536I
b = 0.074077 - 0.800622I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.58071		
a = -1.63264	-8.81824	0
b = -1.63455		
u = 1.48930 + 0.55441I		
a = -1.50676 + 0.66570I	-9.28034 - 8.26953I	0
b = -1.57377 - 0.77902I		
u = 1.48930 - 0.55441I		
a = -1.50676 - 0.66570I	-9.28034 + 8.26953I	0
b = -1.57377 + 0.77902I		
u = -0.112871 + 0.355025I		
a = 2.02427 - 0.38887I	-3.79837 + 4.86090I	-6.23298 - 3.29979I
b = -1.322340 + 0.325664I		
u = -0.112871 - 0.355025I		
a = 2.02427 + 0.38887I	-3.79837 - 4.86090I	-6.23298 + 3.29979I
b = -1.322340 - 0.325664I		
u = 1.53961 + 0.56058I		
a = 1.46289 - 0.60290I	-8.3594 - 16.0917I	0
b = 1.72297 + 0.74156I		
u = 1.53961 - 0.56058I		
a = 1.46289 + 0.60290I	-8.3594 + 16.0917I	0
b = 1.72297 - 0.74156I		
u = -1.56552 + 0.57554I		
a = -1.222210 - 0.542653I	-9.08401 + 5.81465I	0
b = -1.62521 + 0.02936I		
u = -1.56552 - 0.57554I		
a = -1.222210 + 0.542653I	-9.08401 - 5.81465I	0
b = -1.62521 - 0.02936I		
u = -2.18540 + 0.57081I		
a = 0.915634 + 0.234163I	-6.95721 + 0.21792I	0
b = 1.81648 - 0.11524I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -2.18540 - 0.57081I		
a = 0.915634 - 0.234163I	-6.95721 - 0.21792I	0
b = 1.81648 + 0.11524I		

II.
$$I_2^u = \langle -191u^{19} - 54u^{18} + \dots + 871b - 1760, \ -5462u^{19} + 3472u^{18} + \dots + 871a - 3488, \ u^{20} - 10u^{18} + \dots - 3u + 1 \rangle$$

(i) Arc colorings

$$a_{2} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 6.27095u^{19} - 3.98622u^{18} + \dots - 32.5901u + 4.00459 \\ 0.219288u^{19} + 0.0619977u^{18} + \dots - 1.65557u + 2.02067 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -u \\ -u^{3} + u \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -0.299656u^{19} - 0.320321u^{18} + \dots - 1.77956u + 5.89323 \\ 0.981630u^{19} + 1.08381u^{18} + \dots - 0.756602u - 2.30540 \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 1.85419u^{19} + 1.60276u^{18} + \dots + 2.68197u - 11.7991 \\ -2.48680u^{19} - 0.278990u^{18} + \dots + 3.45006u + 3.90700 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} -0.950631u^{19} - 0.912744u^{18} + \dots - 0.404133u + 5.69575 \\ 1.58553u^{19} + 0.453502u^{18} + \dots - 3.25832u - 1.51550 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 2.22044u^{19} - 0.00574053u^{18} + \dots - 10.9208u - 4.33525 \\ -0.576349u^{19} - 0.995408u^{18} + \dots - 2.86338u + 3.66820 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -6.19518u^{19} + 0.515499u^{18} + \dots + 22.0861u + 6.50517 \\ 1.36395u^{19} + 0.526980u^{18} + \dots - 3.07233u - 3.82434 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 5.14122u^{19} - 2.33180u^{18} + \dots - 27.6211u - 4.77727 \\ -1.31114u^{19} + 0.357061u^{18} + \dots + 0.872560u + 4.45235 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 5.14122u^{19} - 2.33180u^{18} + \dots - 27.6211u - 4.77727 \\ -1.31114u^{19} + 0.357061u^{18} + \dots + 0.872560u + 4.45235 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-\frac{9575}{871}u^{19} + \frac{4001}{871}u^{18} + \dots + \frac{38680}{871}u - \frac{118}{871}$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{20} - u^{19} + \dots - 2u + 1$
c_2	$u^{20} - 10u^{18} + \dots - 3u + 1$
c_3	$u^{20} + 7u^{19} + \dots - 4u - 1$
c_4	$u^{20} + 7u^{19} + \dots + 7u + 1$
c_5	$u^{20} + u^{19} + \dots + 2u + 1$
c_6	$u^{20} - u^{19} + \dots + u + 1$
	$u^{20} + 2u^{17} + \dots - 11u - 1$
<i>c</i> ₈	$u^{20} - 10u^{18} + \dots + 3u + 1$
<i>c</i> ₉	$u^{20} - u^{19} + \dots - 2u - 1$
c_{10}	$u^{20} - u^{19} + \dots + 5u^2 + 1$
c_{11}	$u^{20} - 11u^{19} + \dots - u - 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_5	$y^{20} - 5y^{19} + \dots + 14y + 1$
c_{2}, c_{8}	$y^{20} - 20y^{19} + \dots - 23y + 1$
<i>c</i> ₃	$y^{20} - 7y^{19} + \dots + 14y + 1$
C ₄	$y^{20} - 11y^{19} + \dots - 3y + 1$
	$y^{20} + 11y^{19} + \dots - 9y + 1$
	$y^{20} - 30y^{18} + \dots - 15y + 1$
c_9	$y^{20} - 11y^{19} + \dots + 6y + 1$
c_{10}	$y^{20} + 9y^{19} + \dots + 10y + 1$
c_{11}	$y^{20} - 11y^{19} + \dots - 39y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.975094 + 0.192027I		
a = -0.228066 - 1.082830I	4.39215 - 0.76384I	-1.31293 + 11.96948I
b = 0.20852 - 1.40893I		
u = 0.975094 - 0.192027I		
a = -0.228066 + 1.082830I	4.39215 + 0.76384I	-1.31293 - 11.96948I
b = 0.20852 + 1.40893I		
u = 0.931948 + 0.448978I		
a = 0.042896 + 1.059970I	-4.41710 - 6.04390I	-11.7885 + 8.3222I
b = -1.237450 - 0.120382I		
u = 0.931948 - 0.448978I		
a = 0.042896 - 1.059970I	-4.41710 + 6.04390I	-11.7885 - 8.3222I
b = -1.237450 + 0.120382I		
u = -0.728972 + 0.834999I		
a = 0.53983 + 1.72031I	4.20835 + 3.34749I	10.38285 + 6.22702I
b = 0.251589 - 1.291110I		
u = -0.728972 - 0.834999I		
a = 0.53983 - 1.72031I	4.20835 - 3.34749I	10.38285 - 6.22702I
b = 0.251589 + 1.291110I		
u = -0.781597 + 0.045766I		
a = 0.17119 + 3.99242I	3.16335 + 4.45169I	-5.12268 - 4.32037I
b = -0.107037 + 0.488805I		
u = -0.781597 - 0.045766I		
a = 0.17119 - 3.99242I	3.16335 - 4.45169I	-5.12268 + 4.32037I
b = -0.107037 - 0.488805I		
u = 1.092230 + 0.544737I		
a = -0.291456 - 0.130127I	1.19434 - 6.17955I	7.14225 + 5.75160I
b = -0.003042 - 0.599513I		
u = 1.092230 - 0.544737I		
a = -0.291456 + 0.130127I	1.19434 + 6.17955I	7.14225 - 5.75160I
b = -0.003042 + 0.599513I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.582926 + 0.473640I		
a = -0.413367 - 0.977453I	3.01685 + 1.94709I	2.17570 - 3.84431I
b = 0.418521 - 0.651644I		
u = 0.582926 - 0.473640I		
a = -0.413367 + 0.977453I	3.01685 - 1.94709I	2.17570 + 3.84431I
b = 0.418521 + 0.651644I		
u = -0.487186 + 0.518657I		
a = 1.120760 - 0.648579I	-1.79922 - 1.91581I	-10.61370 + 5.31696I
b = 0.917769 + 0.049096I		
u = -0.487186 - 0.518657I		
a = 1.120760 + 0.648579I	-1.79922 + 1.91581I	-10.61370 - 5.31696I
b = 0.917769 - 0.049096I		
u = -1.45404 + 0.17577I		
a = -1.65356 - 0.07969I	-5.99125 + 4.45821I	-9.91425 - 3.94197I
b = -1.62003 - 0.16216I		
u = -1.45404 - 0.17577I		
a = -1.65356 + 0.07969I	-5.99125 - 4.45821I	-9.91425 + 3.94197I
b = -1.62003 + 0.16216I		
u = -1.45114 + 0.20138I		
a = 0.108068 + 0.828850I	0.49537 + 4.42981I	-0.62033 - 12.45769I
b = 0.100607 - 0.792711I		
u = -1.45114 - 0.20138I		
a = 0.108068 - 0.828850I	0.49537 - 4.42981I	-0.62033 + 12.45769I
b = 0.100607 + 0.792711I		
u = 0.270425		
a = -2.72537	-1.39500	7.03290
b = 1.29057		
u = 2.37105		
a = 0.932793	-7.13067	-24.6900
b = 1.85053		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{20} - u^{19} + \dots - 2u + 1)(u^{61} + 2u^{60} + \dots - 25u + 1) $
c_2	$ (u^{20} - 10u^{18} + \dots - 3u + 1)(u^{61} - u^{60} + \dots + 1440u - 211) $
c_3	$ (u^{20} + 7u^{19} + \dots - 4u - 1)(u^{61} - 4u^{60} + \dots - 957u + 121) $
c_4	$(u^{20} + 7u^{19} + \dots + 7u + 1)(u^{61} + 6u^{60} + \dots + 22u + 1)$
c_5	$(u^{20} + u^{19} + \dots + 2u + 1)(u^{61} + 2u^{60} + \dots - 25u + 1)$
c_6	$ (u^{20} - u^{19} + \dots + u + 1)(u^{61} + 4u^{60} + \dots + 6790u - 2531) $
c_7	$ (u^{20} + 2u^{17} + \dots - 11u - 1)(u^{61} + u^{60} + \dots - 9850u - 2333) $
c_8	$ (u^{20} - 10u^{18} + \dots + 3u + 1)(u^{61} - u^{60} + \dots + 1440u - 211) $
<i>c</i> 9	$ (u^{20} - u^{19} + \dots - 2u - 1)(u^{61} + 2u^{60} + \dots + 529u + 41) $
c_{10}	$(u^{20} - u^{19} + \dots + 5u^2 + 1)(u^{61} - 10u^{59} + \dots - 62973u + 14123)$
c_{11}	$(u^{20} - 11u^{19} + \dots - u - 1)(u^{61} - 4u^{60} + \dots + 6u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1,c_5	$(y^{20} - 5y^{19} + \dots + 14y + 1)(y^{61} - 54y^{60} + \dots + 111y - 1)$
c_2, c_8	$(y^{20} - 20y^{19} + \dots - 23y + 1)(y^{61} - 57y^{60} + \dots + 631204y - 44521)$
<i>c</i> ₃	$(y^{20} - 7y^{19} + \dots + 14y + 1)(y^{61} - 28y^{60} + \dots + 684255y - 14641)$
C4	$(y^{20} - 11y^{19} + \dots - 3y + 1)(y^{61} - 16y^{60} + \dots + 364y - 1)$
	$(y^{20} + 11y^{19} + \dots - 9y + 1)$ $\cdot (y^{61} - 14y^{60} + \dots + 234688910y - 6405961)$
c_7	$(y^{20} - 30y^{18} + \dots - 15y + 1)$ $\cdot (y^{61} + 23y^{60} + \dots + 27116488y - 5442889)$
<i>C</i> 9	$(y^{20} - 11y^{19} + \dots + 6y + 1)(y^{61} + 52y^{59} + \dots - 12653y - 1681)$
c_{10}	$(y^{20} + 9y^{19} + \dots + 10y + 1)$ $\cdot (y^{61} - 20y^{60} + \dots + 4161767199y - 199459129)$
c_{11}	$(y^{20} - 11y^{19} + \dots - 39y + 1)(y^{61} - 8y^{60} + \dots + 12y - 1)$