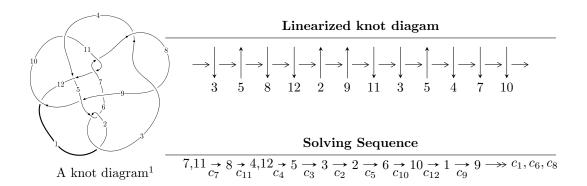
$12n_{0498} \ (K12n_{0498})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle -1.28050 \times 10^{86} u^{56} + 4.68989 \times 10^{86} u^{55} + \dots + 2.10970 \times 10^{86} b + 1.03141 \times 10^{87}, \\ &- 3.61697 \times 10^{87} u^{56} + 1.86009 \times 10^{88} u^{55} + \dots + 4.43037 \times 10^{87} a - 5.59465 \times 10^{88}, \\ &u^{57} - 4u^{56} + \dots - 62u - 21 \rangle \\ I_2^u &= \langle -15113 u^{17} - 4096 u^{16} + \dots + 48267 b + 50891, \ -57716 u^{17} - 93541 u^{16} + \dots + 48267 a - 66022, \\ &u^{18} + u^{17} + \dots - 2u + 1 \rangle \end{split}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 75 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.
$$I_1^u = \langle -1.28 \times 10^{86} u^{56} + 4.69 \times 10^{86} u^{55} + \dots + 2.11 \times 10^{86} b + 1.03 \times 10^{87}, \ -3.62 \times 10^{87} u^{56} + 1.86 \times 10^{88} u^{55} + \dots + 4.43 \times 10^{87} a - 5.59 \times 10^{88}, \ u^{57} - 4u^{56} + \dots - 62u - 21 \rangle$$

(i) Arc colorings

$$a_{7} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{8} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 0.816403u^{56} - 4.19849u^{55} + \dots + 20.7488u + 12.6279 \\ 0.606959u^{56} - 2.22301u^{55} + \dots - 20.5606u - 4.88890 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 2.30955u^{56} - 11.2943u^{55} + \dots + 35.9973u + 27.9170 \\ -0.886184u^{56} + 4.87279u^{55} + \dots - 35.8091u - 20.1780 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1.99634u^{56} - 9.90547u^{55} + \dots + 40.8820u + 27.3294 \\ -0.548286u^{56} + 3.70956u^{55} + \dots - 56.9911u - 25.6210 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 3.51044u^{56} - 14.4661u^{55} + \dots - 81.7519u - 6.53532 \\ -2.08388u^{56} + 9.47088u^{55} + \dots + 4.37789u - 13.5178 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 1.97921u^{56} - 6.06505u^{55} + \dots + 4.37789u - 13.5178 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 1.72233u^{56} + 5.91243u^{55} + \dots + 103.790u + 27.5904 \\ 1.60637u^{56} - 5.58082u^{55} + \dots + 107.267u + 26.4979 \\ 1.60637u^{56} - 5.58082u^{55} + \dots - 93.6083u - 22.6130 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 2.28317u^{56} - 6.62101u^{55} + \dots - 179.695u - 51.6320 \\ -1.95007u^{56} + 6.01101u^{55} + \dots + 139.623u + 39.1357 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 0.693372u^{56} - 3.19613u^{55} + \dots - 2.95802u + 4.39385 \\ 0.216527u^{56} - 0.0576321u^{55} + \dots - 40.4916u - 13.8044 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-2.42071u^{56} + 9.29216u^{55} + \cdots + 95.3134u + 10.7280$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{57} + 75u^{56} + \dots - 178u - 1$
c_2, c_5	$u^{57} - u^{56} + \dots - 16u + 1$
c_3, c_8	$u^{57} - u^{56} + \dots - 493u + 451$
c_4	$u^{57} + 3u^{56} + \dots - 7u + 3$
c_6	$u^{57} + u^{56} + \dots + 117087u + 163159$
c_7, c_{11}	$u^{57} + 4u^{56} + \dots - 62u + 21$
<i>c</i> ₉	$u^{57} - 2u^{56} + \dots + 1465u + 32979$
c_{10}	$u^{57} + 7u^{55} + \dots + 397u + 97$
c_{12}	$u^{57} - 14u^{56} + \dots + 669u + 151$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{57} - 177y^{56} + \dots + 14174y - 1$
c_2, c_5	$y^{57} + 75y^{56} + \dots - 178y - 1$
c_{3}, c_{8}	$y^{57} + 31y^{56} + \dots - 4225459y - 203401$
C ₄	$y^{57} - 9y^{56} + \dots + 91y - 9$
<i>C</i> ₆	$y^{57} + 107y^{56} + \dots - 82651034559y - 26620859281$
c_{7}, c_{11}	$y^{57} + 44y^{56} + \dots - 6698y - 441$
<i>c</i> 9	$y^{57} + 78y^{56} + \dots + 20424721765y - 1087614441$
c_{10}	$y^{57} + 14y^{56} + \dots - 194501y - 9409$
c_{12}	$y^{57} - 40y^{56} + \dots + 3746609y - 22801$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.590251 + 0.816756I		
a = -0.317194 - 0.867682I	-0.92370 - 2.38461I	-6.78715 - 4.77142I
b = 0.851232 + 0.408615I		
u = 0.590251 - 0.816756I		
a = -0.317194 + 0.867682I	-0.92370 + 2.38461I	-6.78715 + 4.77142I
b = 0.851232 - 0.408615I		
u = 0.386358 + 0.881902I		
a = -1.004400 - 0.119570I	-0.66188 - 1.95236I	-7.77812 + 3.23861I
b = 1.290360 - 0.133007I		
u = 0.386358 - 0.881902I		
a = -1.004400 + 0.119570I	-0.66188 + 1.95236I	-7.77812 - 3.23861I
b = 1.290360 + 0.133007I		
u = -0.113138 + 1.043540I		
a = 0.010650 + 1.316020I	1.52820 + 3.04852I	-2.09627 - 4.89869I
b = 0.398262 - 0.207554I		
u = -0.113138 - 1.043540I		
a = 0.010650 - 1.316020I	1.52820 - 3.04852I	-2.09627 + 4.89869I
b = 0.398262 + 0.207554I		
u = -0.054065 + 1.061160I		
a = -0.673299 - 0.339769I	4.35464 + 0.41270I	0. + 2.93923I
b = 1.23289 - 1.36328I		
u = -0.054065 - 1.061160I		
a = -0.673299 + 0.339769I	4.35464 - 0.41270I	0 2.93923I
b = 1.23289 + 1.36328I		
u = -0.135302 + 1.081390I		
a = 0.86661 - 2.26881I	-7.16107 + 4.13510I	0
b = -1.29656 + 1.44749I		
u = -0.135302 - 1.081390I		
a = 0.86661 + 2.26881I	-7.16107 - 4.13510I	0
b = -1.29656 - 1.44749I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.563215 + 0.991464I		
a = 0.95892 + 1.31146I	-6.73101 - 1.00486I	0
b = -1.68040 - 0.81381I		
u = 0.563215 - 0.991464I		
a = 0.95892 - 1.31146I	-6.73101 + 1.00486I	0
b = -1.68040 + 0.81381I		
u = 0.076850 + 1.138320I		
a = 0.774845 - 0.307436I	2.81588 - 1.84751I	0
b = -1.84851 + 0.66895I		
u = 0.076850 - 1.138320I		
a = 0.774845 + 0.307436I	2.81588 + 1.84751I	0
b = -1.84851 - 0.66895I		
u = -0.210776 + 1.134080I		
a = -0.376842 + 0.250683I	1.73829 + 3.89054I	0
b = 1.62012 + 0.80598I		
u = -0.210776 - 1.134080I		
a = -0.376842 - 0.250683I	1.73829 - 3.89054I	0
b = 1.62012 - 0.80598I		
u = -0.758593 + 0.355885I		
a = 0.642976 + 0.011129I	-0.664386 - 0.689297I	-6.71036 - 0.11936I
b = 0.033112 + 0.742505I		
u = -0.758593 - 0.355885I		
a = 0.642976 - 0.011129I	-0.664386 + 0.689297I	-6.71036 + 0.11936I
b = 0.033112 - 0.742505I		
u = -0.778647 + 0.303273I		
a = -1.16942 - 0.93924I	-12.42110 - 2.33478I	-9.22240 + 0.68624I
b = 0.147887 - 0.411465I		
u = -0.778647 - 0.303273I		
a = -1.16942 + 0.93924I	-12.42110 + 2.33478I	-9.22240 - 0.68624I
b = 0.147887 + 0.411465I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.179050 + 0.038215I		
a = -0.705861 - 0.743030I	-9.92606 - 9.08178I	0
b = -0.185989 + 0.148446I		
u = 1.179050 - 0.038215I		
a = -0.705861 + 0.743030I	-9.92606 + 9.08178I	0
b = -0.185989 - 0.148446I		
u = -0.413385 + 1.107260I		
a = 0.654823 + 0.404099I	-9.95724 + 6.72104I	0
b = -2.11452 - 1.09525I		
u = -0.413385 - 1.107260I		
a = 0.654823 - 0.404099I	-9.95724 - 6.72104I	0
b = -2.11452 + 1.09525I		
u = 0.039564 + 1.190590I		
a = 0.613863 - 0.424692I	3.76883 - 1.63591I	0
b = -1.80875 - 0.41422I		
u = 0.039564 - 1.190590I		
a = 0.613863 + 0.424692I	3.76883 + 1.63591I	0
b = -1.80875 + 0.41422I		
u = 1.218100 + 0.242266I		
a = 0.507438 + 0.284538I	-1.64373 - 3.94719I	0
b = 0.1171880 - 0.0218347I		
u = 1.218100 - 0.242266I		
a = 0.507438 - 0.284538I	-1.64373 + 3.94719I	0
b = 0.1171880 + 0.0218347I		
u = 0.254408 + 1.227690I		
a = -0.823428 + 0.385148I	-4.08404 - 6.16672I	0
b = 2.00617 + 0.66223I		
u = 0.254408 - 1.227690I		
a = -0.823428 - 0.385148I	-4.08404 + 6.16672I	0
b = 2.00617 - 0.66223I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.727598 + 0.137352I		
a = -0.875509 + 0.961139I	2.46442 + 1.93449I	2.24278 - 3.17004I
b = -0.173507 - 0.506822I		
u = -0.727598 - 0.137352I		
a = -0.875509 - 0.961139I	2.46442 - 1.93449I	2.24278 + 3.17004I
b = -0.173507 + 0.506822I		
u = -0.392456 + 1.219230I		
a = -1.257630 - 0.153845I	1.90935 + 6.56503I	0
b = 2.26538 + 0.66065I		
u = -0.392456 - 1.219230I		
a = -1.257630 + 0.153845I	1.90935 - 6.56503I	0
b = 2.26538 - 0.66065I		
u = 0.010268 + 0.689208I		
a = 2.53605 + 1.22720I	-8.64761 - 3.10440I	-7.56449 - 2.31310I
b = -2.04707 - 1.45230I		
u = 0.010268 - 0.689208I		
a = 2.53605 - 1.22720I	-8.64761 + 3.10440I	-7.56449 + 2.31310I
b = -2.04707 + 1.45230I		
u = -0.618158 + 0.162095I		
a = 0.81252 + 1.47630I	-1.35954 - 2.62834I	-9.01490 + 3.76676I
b = 0.266464 - 0.032773I		
u = -0.618158 - 0.162095I		
a = 0.81252 - 1.47630I	-1.35954 + 2.62834I	-9.01490 - 3.76676I
b = 0.266464 + 0.032773I		
u = -0.427624 + 1.306800I		
a = 1.316570 + 0.287086I	6.77585 + 6.29606I	0
b = -2.05986 - 0.58492I		
u = -0.427624 - 1.306800I		
a = 1.316570 - 0.287086I	6.77585 - 6.29606I	0
b = -2.05986 + 0.58492I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.540765 + 0.298006I		
a = 1.21617 + 1.81557I	-8.36689 - 3.37214I	-6.78658 + 1.79216I
b = -1.173460 - 0.320334I		
u = 0.540765 - 0.298006I		
a = 1.21617 - 1.81557I	-8.36689 + 3.37214I	-6.78658 - 1.79216I
b = -1.173460 + 0.320334I		
u = 0.565613		
a = -1.21094	-1.05400	-9.48580
b = 0.0986015		
u = 0.55473 + 1.39062I		
a = 1.170690 - 0.365984I	-5.4571 - 15.1423I	0
b = -2.11486 + 0.87983I		
u = 0.55473 - 1.39062I		
a = 1.170690 + 0.365984I	-5.4571 + 15.1423I	0
b = -2.11486 - 0.87983I		
u = 0.38131 + 1.45291I		
a = 0.713409 - 0.306037I	4.12609 - 3.19316I	0
b = -1.46415 + 0.57342I		
u = 0.38131 - 1.45291I		
a = 0.713409 + 0.306037I	4.12609 + 3.19316I	0
b = -1.46415 - 0.57342I		
u = 0.51803 + 1.42333I		
a = -0.910861 + 0.309333I	3.42580 - 9.91933I	0
b = 1.80097 - 0.72599I		
u = 0.51803 - 1.42333I		
a = -0.910861 - 0.309333I	3.42580 + 9.91933I	0
b = 1.80097 + 0.72599I		
u = -0.55233 + 1.42025I		
a = -0.872585 - 0.293555I	5.06769 + 4.73436I	0
b = 1.270760 + 0.462620I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.55233 - 1.42025I		
a = -0.872585 + 0.293555I	5.06769 - 4.73436I	0
b = 1.270760 - 0.462620I		
u = -0.150198 + 0.275358I		
a = -1.53020 + 0.49740I	-0.19079 - 1.54094I	-2.12423 + 2.96705I
b = 0.487442 + 0.712451I		
u = -0.150198 - 0.275358I		
a = -1.53020 - 0.49740I	-0.19079 + 1.54094I	-2.12423 - 2.96705I
b = 0.487442 - 0.712451I		
u = 0.84030 + 1.60146I		
a = -0.248588 - 0.091885I	-5.54252 + 2.13223I	0
b = 0.286209 + 0.417616I		
u = 0.84030 - 1.60146I		
a = -0.248588 + 0.091885I	-5.54252 - 2.13223I	0
b = 0.286209 - 0.417616I		
u = -0.10374 + 1.81764I		
a = -0.162358 + 0.545197I	-5.52482 + 1.18551I	0
b = 0.343904 - 0.804109I		
u = -0.10374 - 1.81764I		
a = -0.162358 - 0.545197I	-5.52482 - 1.18551I	0
b = 0.343904 + 0.804109I		

II.
$$I_2^u = \langle -15113u^{17} - 4096u^{16} + \dots + 48267b + 50891, -57716u^{17} - 93541u^{16} + \dots + 48267a - 66022, u^{18} + u^{17} + \dots - 2u + 1 \rangle$$

(i) Arc colorings

$$a_{7} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{8} = \begin{pmatrix} 1 \\ u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} 1.19577u^{17} + 1.93799u^{16} + \dots + 10.2808u + 1.36785 \\ 0.313112u^{17} + 0.0848613u^{16} + \dots + 4.67019u - 1.05436 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 1.18369u^{17} + 2.40398u^{16} + \dots + 10.7617u + 1.88182 \\ 0.325191u^{17} - 0.381130u^{16} + \dots + 4.18926u - 1.56834 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1.31137u^{17} + 2.05938u^{16} + \dots + 4.6623u + 1.05571 \\ 0.463401u^{17} + 0.142665u^{16} + \dots + 4.56614u - 1.06014 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 2.41569u^{17} + 2.94400u^{16} + \dots + 11.5997u + 3.70775 \\ -1.22525u^{17} - 1.72683u^{16} + \dots + 2.12120u + 0.246877 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -1.10968u^{17} - 2.46319u^{16} + \dots + 3.71177u + 1.43736 \\ -1.01954u^{17} + 0.0710630u^{16} + \dots - 5.12433u + 2.98573 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1.26256u^{17} - 0.630348u^{16} + \dots - 10.0123u - 0.143058 \\ 1.38287u^{17} + 0.606315u^{16} + \dots + 3.73659u - 2.21655 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 0.336669u^{17} - 0.784490u^{16} + \dots + 1.40154u + 0.205689 \\ -1.59461u^{17} - 0.706777u^{16} + \dots - 4.69698u + 2.60903 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 1.58433u^{17} + 0.984876u^{16} + \dots + 9.50751u - 3.95906 \\ -0.464023u^{17} - 1.00891u^{16} + \dots + 9.50751u - 3.95906 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =
$$-\frac{90767}{16089}u^{17} - \frac{105175}{16089}u^{16} + \dots - \frac{268616}{16089}u - \frac{63094}{16089}u$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{18} - 20u^{17} + \dots - 74u + 9$
c_2	$u^{18} + 2u^{17} + \dots + 10u + 3$
c_3	$u^{18} + 8u^{16} + \dots - 3u + 9$
c_4	$u^{18} - 2u^{17} + \dots - 5u + 1$
c_5	$u^{18} - 2u^{17} + \dots - 10u + 3$
c_6	$u^{18} - 2u^{17} + \dots - 5u + 3$
c_7	$u^{18} + u^{17} + \dots - 2u + 1$
c_8	$u^{18} + 8u^{16} + \dots + 3u + 9$
c_9	$u^{18} + u^{17} + \dots + u + 1$
c_{10}	$u^{18} + u^{17} + \dots - 7u + 3$
c_{11}	$u^{18} - u^{17} + \dots + 2u + 1$
c_{12}	$u^{18} - 5u^{17} + \dots + 15u + 9$
-	

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{18} - 36y^{17} + \dots + 1454y + 81$
c_2, c_5	$y^{18} + 20y^{17} + \dots + 74y + 9$
c_3, c_8	$y^{18} + 16y^{17} + \dots + 1035y + 81$
c_4	$y^{18} - 4y^{17} + \dots - 7y + 1$
c_6	$y^{18} + 20y^{17} + \dots + 131y + 9$
c_7, c_{11}	$y^{18} + 17y^{17} + \dots + 22y + 1$
<i>c</i> 9	$y^{18} + 11y^{17} + \dots - 9y + 1$
c_{10}	$y^{18} + 7y^{17} + \dots + 53y + 9$
c_{12}	$y^{18} - 15y^{17} + \dots + 495y + 81$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.955128 + 0.028468I		
a = -0.470624 + 0.928452I	1.45067 + 2.23926I	-5.74852 - 4.22019I
b = -0.378740 - 0.352785I		
u = -0.955128 - 0.028468I		
a = -0.470624 - 0.928452I	1.45067 - 2.23926I	-5.74852 + 4.22019I
b = -0.378740 + 0.352785I		
u = 0.588467 + 0.644672I		
a = 0.004247 + 0.886743I	-0.77892 - 2.83224I	-2.15898 + 10.71484I
b = -0.771830 - 0.597373I		
u = 0.588467 - 0.644672I		
a = 0.004247 - 0.886743I	-0.77892 + 2.83224I	-2.15898 - 10.71484I
b = -0.771830 + 0.597373I		
u = 0.157250 + 1.129630I		
a = 0.747231 + 0.158603I	2.38693 - 3.66478I	3.78363 + 3.00827I
b = -2.20016 + 0.80914I		
u = 0.157250 - 1.129630I		
a = 0.747231 - 0.158603I	2.38693 + 3.66478I	3.78363 - 3.00827I
b = -2.20016 - 0.80914I		
u = -0.104673 + 1.160730I		
a = -0.526573 - 0.204291I	4.61635 + 1.06986I	5.50666 - 5.36656I
b = 1.35939 - 1.31112I		
u = -0.104673 - 1.160730I		
a = -0.526573 + 0.204291I	4.61635 - 1.06986I	5.50666 + 5.36656I
b = 1.35939 + 1.31112I		
u = 0.193538 + 0.774845I		
a = -1.28604 - 2.17413I	-8.58566 - 3.82241I	-7.48775 + 7.44013I
b = 2.12934 + 1.50102I		
u = 0.193538 - 0.774845I		
a = -1.28604 + 2.17413I	-8.58566 + 3.82241I	-7.48775 - 7.44013I
b = 2.12934 - 1.50102I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.53247 + 1.34251I		
a = 1.188420 + 0.044021I	5.61740 + 7.69065I	-2.00686 - 6.54591I
b = -1.97913 - 0.43683I		
u = -0.53247 - 1.34251I		
a = 1.188420 - 0.044021I	5.61740 - 7.69065I	-2.00686 + 6.54591I
b = -1.97913 + 0.43683I		
u = -0.38473 + 1.43619I		
a = -0.912804 - 0.458239I	6.11112 + 4.38817I	1.91777 - 2.70230I
b = 1.56484 + 0.58036I		
u = -0.38473 - 1.43619I		
a = -0.912804 + 0.458239I	6.11112 - 4.38817I	1.91777 + 2.70230I
b = 1.56484 - 0.58036I		
u = 0.109990 + 0.279939I		
a = 0.67048 + 2.80242I	-0.15418 + 2.05102I	-3.58795 - 2.95582I
b = -0.062626 + 0.797311I		
u = 0.109990 - 0.279939I		
a = 0.67048 - 2.80242I	-0.15418 - 2.05102I	-3.58795 + 2.95582I
b = -0.062626 - 0.797311I		
u = 0.42776 + 1.69552I		
a = -0.414340 + 0.265180I	-5.72891 + 1.72338I	-11.71800 - 0.30191I
b = 0.338917 - 0.418197I		
u = 0.42776 - 1.69552I		
a = -0.414340 - 0.265180I	-5.72891 - 1.72338I	-11.71800 + 0.30191I
b = 0.338917 + 0.418197I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{18} - 20u^{17} + \dots - 74u + 9)(u^{57} + 75u^{56} + \dots - 178u - 1) $
c_2	$(u^{18} + 2u^{17} + \dots + 10u + 3)(u^{57} - u^{56} + \dots - 16u + 1)$
c_3	$(u^{18} + 8u^{16} + \dots - 3u + 9)(u^{57} - u^{56} + \dots - 493u + 451)$
c_4	$(u^{18} - 2u^{17} + \dots - 5u + 1)(u^{57} + 3u^{56} + \dots - 7u + 3)$
<i>C</i> ₅	$ (u^{18} - 2u^{17} + \dots - 10u + 3)(u^{57} - u^{56} + \dots - 16u + 1) $
<i>c</i> ₆	$(u^{18} - 2u^{17} + \dots - 5u + 3)(u^{57} + u^{56} + \dots + 117087u + 163159)$
	$(u^{18} + u^{17} + \dots - 2u + 1)(u^{57} + 4u^{56} + \dots - 62u + 21)$
<i>c</i> ₈	$(u^{18} + 8u^{16} + \dots + 3u + 9)(u^{57} - u^{56} + \dots - 493u + 451)$
<i>c</i> ₉	$(u^{18} + u^{17} + \dots + u + 1)(u^{57} - 2u^{56} + \dots + 1465u + 32979)$
c_{10}	$(u^{18} + u^{17} + \dots - 7u + 3)(u^{57} + 7u^{55} + \dots + 397u + 97)$
c_{11}	$(u^{18} - u^{17} + \dots + 2u + 1)(u^{57} + 4u^{56} + \dots - 62u + 21)$
c_{12}	$(u^{18} - 5u^{17} + \dots + 15u + 9)(u^{57} - 14u^{56} + \dots + 669u + 151)$ 18

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$y^{18} - 36y^{17} + \dots + 1454y + 81)(y^{57} - 177y^{56} + \dots + 14174y - 1)$
c_2, c_5	$(y^{18} + 20y^{17} + \dots + 74y + 9)(y^{57} + 75y^{56} + \dots - 178y - 1)$
c_3, c_8	$(y^{18} + 16y^{17} + \dots + 1035y + 81)$ $\cdot (y^{57} + 31y^{56} + \dots - 4225459y - 203401)$
c_4	$(y^{18} - 4y^{17} + \dots - 7y + 1)(y^{57} - 9y^{56} + \dots + 91y - 9)$
c_6	$(y^{18} + 20y^{17} + \dots + 131y + 9)$ $\cdot (y^{57} + 107y^{56} + \dots - 82651034559y - 26620859281)$
c_7, c_{11}	$(y^{18} + 17y^{17} + \dots + 22y + 1)(y^{57} + 44y^{56} + \dots - 6698y - 441)$
<i>c</i> 9	$(y^{18} + 11y^{17} + \dots - 9y + 1)$ $\cdot (y^{57} + 78y^{56} + \dots + 20424721765y - 1087614441)$
c ₁₀	$(y^{18} + 7y^{17} + \dots + 53y + 9)(y^{57} + 14y^{56} + \dots - 194501y - 9409)$
c_{12}	$(y^{18} - 15y^{17} + \dots + 495y + 81)$ $\cdot (y^{57} - 40y^{56} + \dots + 3746609y - 22801)$