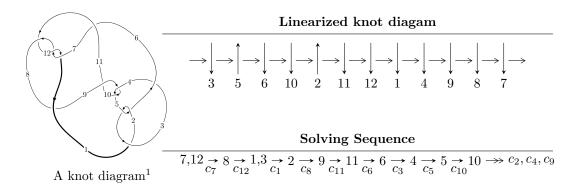
$12a_{0035} (K12a_{0035})$



Ideals for irreducible components² of X_{par}

$$I_1^u = \langle -6u^{93} - 19u^{92} + \dots + 2b + 4, \ 3u^{93} + 15u^{92} + \dots + 2a - 8, \ u^{94} + 3u^{93} + \dots - 4u - 1 \rangle$$

$$I_2^u = \langle -u^2a + b, \ u^2a + a^2 + u^2 + a - u + 2, \ u^3 - u^2 + 2u - 1 \rangle$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 100 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.
$$I_1^u = \langle -6u^{93} - 19u^{92} + \dots + 2b + 4, \ 3u^{93} + 15u^{92} + \dots + 2a - 8, \ u^{94} + 3u^{93} + \dots - 4u - 1 \rangle$$

(i) Arc colorings

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

$$a_{12} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{1} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -\frac{3}{2}u^{93} - \frac{15}{2}u^{92} + \dots + \frac{29}{2}u + 4 \\ 3u^{93} + \frac{19}{2}u^{92} + \dots - \frac{17}{2}u - 2 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -\frac{1}{2}u^{93} - \frac{3}{2}u^{92} + \dots - \frac{47}{2}u^{2} + \frac{17}{2}u \\ \frac{1}{2}u^{92} + u^{91} + \dots - 7u^{2} + \frac{3}{2}u \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} -u^{4} - u^{2} + 1 \\ u^{4} + 2u^{2} \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} u \\ u^{3} + u \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} -u^{4} - u^{2} + 1 \\ -u^{6} - 2u^{4} - u^{2} \end{pmatrix}$$

$$a_{4} = \begin{pmatrix} -u^{93} - 9u^{92} + \dots + 18u + \frac{9}{2} \\ \frac{9}{2}u^{93} + 15u^{92} + \dots - 17u - \frac{9}{2} \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} u^{93} + 3u^{92} + \dots - 4u - \frac{1}{2} \\ -\frac{3}{2}u^{93} - 3u^{92} + \dots - 2u - \frac{3}{2} \end{pmatrix}$$

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

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $2u^{93} + \frac{15}{2}u^{92} + \dots \frac{33}{2}u \frac{11}{2}$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{94} + 44u^{93} + \dots - 9u + 1$
c_2, c_5	$u^{94} + 4u^{93} + \dots + 9u + 1$
c_3	$u^{94} - 4u^{93} + \dots - 3441u + 306$
c_4, c_9	$u^{94} + u^{93} + \dots - 160u - 64$
c_{6}, c_{8}	$u^{94} + 3u^{93} + \dots - 33u - 34$
c_7, c_{11}, c_{12}	$u^{94} - 3u^{93} + \dots + 4u - 1$
c_{10}	$u^{94} + 35u^{93} + \dots + 66560u + 4096$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{94} + 16y^{93} + \dots - 369y + 1$
c_2, c_5	$y^{94} + 44y^{93} + \dots - 9y + 1$
c_3	$y^{94} - 12y^{93} + \dots - 6463449y + 93636$
c_4, c_9	$y^{94} - 35y^{93} + \dots - 66560y + 4096$
c_6, c_8	$y^{94} - 53y^{93} + \dots - 12309y + 1156$
c_7, c_{11}, c_{12}	$y^{94} + 79y^{93} + \dots - 16y + 1$
c_{10}	$y^{94} + 37y^{93} + \dots - 336592896y + 16777216$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.351586 + 1.054580I a = -1.15398 + 1.86992I b = 0.313058 - 0.701062I	-1.40013 - 8.27926I	0
u = -0.351586 - 1.054580I $a = -1.15398 - 1.86992I$ $b = 0.313058 + 0.701062I$	-1.40013 + 8.27926I	0
u = -0.319387 + 1.064870I $a = 0.60014 - 1.46592I$ $b = -0.269640 + 0.910868I$	0.91044 - 3.19835I	0
u = -0.319387 - 1.064870I $a = 0.60014 + 1.46592I$ $b = -0.269640 - 0.910868I$	0.91044 + 3.19835I	0
u = 0.272022 + 1.136290I $a = 1.42508 + 2.49568I$ $b = -0.66890 - 1.54095I$	0.75736 + 2.48496I	0
u = 0.272022 - 1.136290I $a = 1.42508 - 2.49568I$ $b = -0.66890 + 1.54095I$	0.75736 - 2.48496I	0
u = -0.341633 + 1.119760I $a = 0.36104 + 1.97232I$ $b = 0.355067 - 1.058820I$	-3.79950 - 0.44484I	0
u = -0.341633 - 1.119760I $a = 0.36104 - 1.97232I$ $b = 0.355067 + 1.058820I$	-3.79950 + 0.44484I	0
u = -0.805155 + 0.159834I $a = -0.683311 - 0.812685I$ $b = 2.10771 - 0.56090I$	-4.13551 + 12.51930I	-12.4410 - 9.1338I
u = -0.805155 - 0.159834I $a = -0.683311 + 0.812685I$ $b = 2.10771 + 0.56090I$	-4.13551 - 12.51930I	-12.4410 + 9.1338I

Solutions	to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape	
u = -0.819292	+ 0.023297 <i>I</i>			
a = -0.557966 -	- 0.104325 <i>I</i>	-9.72584 + 4.11008I	-17.4683 - 3.8689I	
b = 2.01706 -	1.04963I			
u = -0.819292 -	- 0.023297 <i>I</i>			
a = -0.557966 -	+0.104325I	-9.72584 - 4.11008I	-17.4683 + 3.8689I	
b = 2.01706 +	1.04963I			
u = -0.223727	+1.159260I			
a = 0.038821 -	- 0.996676 <i>I</i>	2.56110 - 0.96081I	0	
b = -0.793555 -				
u = -0.223727	- 1.159260 <i>I</i>			
a = 0.038821 + 0.038821	+0.996676I	2.56110 + 0.96081I	0	
b = -0.793555 -				
u = -0.800713	+0.124544I			
a = 0.056147	- 0.232819 <i>I</i>	-6.82446 + 4.61345I	-16.0257 - 3.7320I	
b = 1.45417 +				
u = -0.800713 -				
a = 0.056147 + 0.056147	+0.232819I	-6.82446 - 4.61345I	-16.0257 + 3.7320I	
b = 1.45417 -				
u = -0.791562				
a = 0.673326 -		-1.85813 + 7.30815I	-9.64546 - 5.45633I	
b = -1.43596 +				
u = -0.791562 -				
	- 0.346910 <i>I</i>	-1.85813 - 7.30815I	-9.64546 + 5.45633I	
b = -1.43596 -	0.24106I			
u = -0.795310				
a = 0.653225		-6.33214	-13.9450	
b = -1.34153	1 105000			
	+ 1.187620 <i>I</i>		_	
a = -0.54176 -		2.77826 - 1.83941I	0	
b = 0.28783 +	1.45505I			

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.207009 - 1.187620I		
a = -0.54176 + 1.63085I	2.77826 + 1.83941I	0
b = 0.28783 - 1.45505I		
u = 0.763490 + 0.126859I		
a = 0.996501 - 0.724536I	-2.24813 - 6.31785I	-11.54818 + 5.93405I
b = -2.36823 - 0.61181I		
u = 0.763490 - 0.126859I		
a = 0.996501 + 0.724536I	-2.24813 + 6.31785I	-11.54818 - 5.93405I
b = -2.36823 + 0.61181I		
u = 0.361057 + 0.671513I		
a = -0.862756 + 0.799832I	-0.51313 - 8.14873I	-8.97384 + 8.84166I
b = -1.113130 - 0.534733I		
u = 0.361057 - 0.671513I		
a = -0.862756 - 0.799832I	-0.51313 + 8.14873I	-8.97384 - 8.84166I
b = -1.113130 + 0.534733I		
u = -0.246747 + 1.213070I		
a = -0.344077 + 0.628748I	1.93636 + 4.08463I	0
b = 1.32614 - 0.49237I		
u = -0.246747 - 1.213070I		
a = -0.344077 - 0.628748I	1.93636 - 4.08463I	0
b = 1.32614 + 0.49237I		
u = -0.742646 + 0.133805I		
a = 0.305512 - 0.849898I	-0.40083 + 4.55861I	-9.48261 - 6.77535I
b = -0.247171 - 0.370551I		
u = -0.742646 - 0.133805I		
a = 0.305512 + 0.849898I	-0.40083 - 4.55861I	-9.48261 + 6.77535I
b = -0.247171 + 0.370551I		
u = 0.745684 + 0.058825I		
a = 0.284002 - 0.610144I	-4.01862 + 0.63484I	-14.7380 - 0.8437I
b = -1.55723 + 1.53202I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.745684 - 0.058825I		
a = 0.284002 + 0.610144I	-4.01862 - 0.63484I	-14.7380 + 0.8437I
b = -1.55723 - 1.53202I		
u = 0.297640 + 1.220630I		
a = -0.91602 + 3.00986I	-0.46784 - 4.41267I	0
b = 0.17095 - 2.37493I		
u = 0.297640 - 1.220630I		
a = -0.91602 - 3.00986I	-0.46784 + 4.41267I	0
b = 0.17095 + 2.37493I		
u = 0.730077 + 0.133883I		
a = -0.875274 + 0.280144I	-0.21470 - 1.60724I	-7.97056 + 1.57129I
b = 1.370320 + 0.318322I		
u = 0.730077 - 0.133883I		
a = -0.875274 - 0.280144I	-0.21470 + 1.60724I	-7.97056 - 1.57129I
b = 1.370320 - 0.318322I		
u = -0.717097 + 0.108393I		
a = 0.308251 + 1.174220I	-1.35579 - 0.62536I	-12.06986 - 1.95150I
b = 0.130133 + 0.598547I		
u = -0.717097 - 0.108393I		
a = 0.308251 - 1.174220I	-1.35579 + 0.62536I	-12.06986 + 1.95150I
b = 0.130133 - 0.598547I		
u = 0.293385 + 0.658021I		
a = 0.266291 - 0.707620I	1.60349 - 3.29234I	-5.23174 + 4.77747I
b = 0.598578 + 0.548638I		
u = 0.293385 - 0.658021I		
a = 0.266291 + 0.707620I	1.60349 + 3.29234I	-5.23174 - 4.77747I
b = 0.598578 - 0.548638I		
u = -0.365972 + 1.235490I		
a = -2.15333 + 1.40823I	-5.98368 + 0.15479I	0
b = 1.72605 - 0.32067I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.365972 - 1.235490I		
a = -2.15333 - 1.40823I	-5.98368 - 0.15479I	0
b = 1.72605 + 0.32067I		
u = 0.658370 + 0.267531I		
a = -0.199386 + 1.344550I	-1.88023 + 4.47482I	-11.92967 - 3.68864I
b = -0.308441 + 0.617622I		
u = 0.658370 - 0.267531I		
a = -0.199386 - 1.344550I	-1.88023 - 4.47482I	-11.92967 + 3.68864I
b = -0.308441 - 0.617622I		
u = 0.146043 + 1.287240I		
a = -0.519747 - 0.895621I	3.09448 - 2.01504I	0
b = 0.651519 + 1.152850I		
u = 0.146043 - 1.287240I		
a = -0.519747 + 0.895621I	3.09448 + 2.01504I	0
b = 0.651519 - 1.152850I		
u = -0.346129 + 1.258550I		
a = 0.76971 - 1.71108I	-2.43413 + 4.11256I	0
b = -0.93264 + 1.31896I		
u = -0.346129 - 1.258550I		
a = 0.76971 + 1.71108I	-2.43413 - 4.11256I	0
b = -0.93264 - 1.31896I		
u = 0.655988 + 0.207772I		
a = -0.303076 - 0.671050I	0.0223914 - 0.0925396I	-8.17235 + 0.51763I
b = 0.339247 - 0.122021I		
u = 0.655988 - 0.207772I		
a = -0.303076 + 0.671050I	0.0223914 + 0.0925396I	-8.17235 - 0.51763I
b = 0.339247 + 0.122021I		
u = -0.365714 + 1.275590I		
a = -0.53429 + 2.97606I	-5.68982 + 8.37124I	0
b = 1.51702 - 2.35674I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.365714 - 1.275590I		
a = -0.53429 - 2.97606I	-5.68982 - 8.37124I	0
b = 1.51702 + 2.35674I		
u = 0.313278 + 1.307810I		
a = 2.86579 + 0.42092I	0.25992 - 3.19129I	0
b = -2.66846 + 0.41995I		
u = 0.313278 - 1.307810I		
a = 2.86579 - 0.42092I	0.25992 + 3.19129I	0
b = -2.66846 - 0.41995I		
u = 0.367469 + 0.521123I		
a = 0.06904 + 1.46105I	-2.59885 - 0.99613I	-12.66422 + 3.51334I
b = -0.348565 + 0.361785I		
u = 0.367469 - 0.521123I		
a = 0.06904 - 1.46105I	-2.59885 + 0.99613I	-12.66422 - 3.51334I
b = -0.348565 - 0.361785I		
u = 0.070031 + 1.366780I		
a = -0.123188 - 0.592014I	3.22572 - 2.28737I	0
b = 0.264084 + 1.332300I		
u = 0.070031 - 1.366780I		
a = -0.123188 + 0.592014I	3.22572 + 2.28737I	0
b = 0.264084 - 1.332300I		
u = -0.305834 + 1.335140I		
a = 0.074584 - 0.836640I	3.19308 + 3.09736I	0
b = -0.89820 + 1.42609I		
u = -0.305834 - 1.335140I		
a = 0.074584 + 0.836640I	3.19308 - 3.09736I	0
b = -0.89820 - 1.42609I		
u = 0.538245 + 0.320223I		
a = -1.031060 - 0.094532I	-3.30326 - 2.28034I	-15.1915 + 4.6781I
b = -0.872555 - 0.075771I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.538245 - 0.320223I		
a = -1.031060 + 0.094532I	-3.30326 + 2.28034I	-15.1915 - 4.6781I
b = -0.872555 + 0.075771I		
u = 0.025452 + 0.620139I		
a = -0.742007 - 0.914591I	2.38027 - 1.44221I	-2.82236 + 3.43033I
b = -0.346461 + 0.713419I		
u = 0.025452 - 0.620139I		
a = -0.742007 + 0.914591I	2.38027 + 1.44221I	-2.82236 - 3.43033I
b = -0.346461 - 0.713419I		
u = 0.310881 + 1.345020I		
a = -1.08999 - 2.22156I	4.44484 - 5.39215I	0
b = 1.52900 + 2.06908I		
u = 0.310881 - 1.345020I		
a = -1.08999 + 2.22156I	4.44484 + 5.39215I	0
b = 1.52900 - 2.06908I		
u = -0.016489 + 1.381180I		
a = -2.02420 + 0.83379I	6.88593 + 3.56319I	0
b = 2.94086 - 0.32282I		
u = -0.016489 - 1.381180I		
a = -2.02420 - 0.83379I	6.88593 - 3.56319I	0
b = 2.94086 + 0.32282I		
u = -0.316216 + 1.345920I		
a = -0.0516053 + 0.0153543I	4.26127 + 8.40222I	0
b = 0.676154 - 0.292686I		
u = -0.316216 - 1.345920I		
a = -0.0516053 - 0.0153543I	4.26127 - 8.40222I	0
b = 0.676154 + 0.292686I		
u = 0.325860 + 1.343950I		
a = 1.91588 + 3.33804I	2.38301 - 10.26160I	0
b = -2.93290 - 2.93126I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.325860 - 1.343950I		
a = 1.91588 - 3.33804I	2.38301 + 10.26160I	0
b = -2.93290 + 2.93126I		
u = 0.200914 + 1.368680I		
a = 1.313830 + 0.182615I	1.96196 - 4.91979I	0
b = -1.93679 + 0.32568I		
u = 0.200914 - 1.368680I		
a = 1.313830 - 0.182615I	1.96196 + 4.91979I	0
b = -1.93679 - 0.32568I		
u = -0.344918 + 1.344910I		
a = -2.19325 + 0.39504I	-2.20181 + 8.74640I	0
b = 2.16703 + 0.59757I		
u = -0.344918 - 1.344910I		
a = -2.19325 - 0.39504I	-2.20181 - 8.74640I	0
b = 2.16703 - 0.59757I		
u = 0.003577 + 1.389610I		
a = 1.11891 - 1.18307I	8.44452 - 1.51231I	0
b = -1.65509 + 0.99510I		
u = 0.003577 - 1.389610I		
a = 1.11891 + 1.18307I	8.44452 + 1.51231I	0
b = -1.65509 - 0.99510I		
u = 0.275455 + 1.363070I		
a = 0.102702 - 0.238819I	4.96173 - 3.51095I	0
b = -0.517274 + 0.037833I		
u = 0.275455 - 1.363070I		
a = 0.102702 + 0.238819I	4.96173 + 3.51095I	0
b = -0.517274 - 0.037833I		
u = -0.337562 + 1.359830I		
a = 1.23843 - 1.96495I	2.91527 + 11.38800I	0
b = -1.75415 + 1.70909I		

$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
2.91527 - 11.38800I	0
3.31639 + 1.14144I	0
3.31639 - 1.14144I	0
0.6743 + 16.6665I	0
0.6743 - 16.6665I	0
8.01316 - 4.10190I	0
8.01316 + 4.10190I	0
6.06023 - 9.18761I	0
6.06023 + 9.18761I	0
1.01261 + 3.21488I	-4.87205 - 3.43985I
	2.91527 - 11.38800I $3.31639 + 1.14144I$ $3.31639 - 1.14144I$ $0.6743 + 16.6665I$ $0.6743 - 16.6665I$ $8.01316 - 4.10190I$ $8.01316 + 4.10190I$ $6.06023 - 9.18761I$ $6.06023 + 9.18761I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.125946 - 0.536133I		
a = 1.34468 - 1.38361I	1.01261 - 3.21488I	-4.87205 + 3.43985I
b = 0.933554 + 0.595599I		
u = 0.408365		
a = -0.235762	-0.736099	-13.3290
b = 0.359010		
u = -0.192609 + 0.116954I		
a = 0.12284 + 3.63556I	-0.31015 - 1.80079I	-2.04373 + 2.87212I
b = 0.351760 + 0.622816I		
u = -0.192609 - 0.116954I		
a = 0.12284 - 3.63556I	-0.31015 + 1.80079I	-2.04373 - 2.87212I
b = 0.351760 - 0.622816I		

II.
$$I_2^u = \langle -u^2a + b, \ u^2a + a^2 + u^2 + a - u + 2, \ u^3 - u^2 + 2u - 1 \rangle$$

(i) Arc colorings

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

$$a_{12} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{1} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

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

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

$$a_{9} = \begin{pmatrix} u \\ u^{2} - u + 1 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} u \\ u^{2} - u + 1 \end{pmatrix}$$

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

$$a_{4} = \begin{pmatrix} au \\ u^{2}a - au + a \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} u \\ u^{2}a - au + a \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u \\ u^{2}a - au + a \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $-5u^2a + 3au 5u^2 4a + 5u 16$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1,c_3,c_5	$(u^2 - u + 1)^3$
c_2	$(u^2+u+1)^3$
c_4, c_9, c_{10}	u^6
c_6, c_8	$(u^3 + u^2 - 1)^2$
c ₇	$(u^3 - u^2 + 2u - 1)^2$
c_{11}, c_{12}	$(u^3 + u^2 + 2u + 1)^2$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_2, c_3 c_5	$(y^2 + y + 1)^3$
c_4, c_9, c_{10}	y^6
c_{6}, c_{8}	$(y^3 - y^2 + 2y - 1)^2$
c_7, c_{11}, c_{12}	$(y^3 + 3y^2 + 2y - 1)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.215080 + 1.307140I		
a = 0.818128 + 0.292480I	3.02413 - 0.79824I	-6.43615 - 0.68567I
b = -1.52448 - 0.02619I		
u = 0.215080 + 1.307140I		
a = -0.155769 - 0.854759I	3.02413 - 4.85801I	-2.88198 + 6.08229I
b = 0.73956 + 1.33333I		
u = 0.215080 - 1.307140I		
a = 0.818128 - 0.292480I	3.02413 + 0.79824I	-6.43615 + 0.68567I
b = -1.52448 + 0.02619I		
u = 0.215080 - 1.307140I		
a = -0.155769 + 0.854759I	3.02413 + 4.85801I	-2.88198 - 6.08229I
b = 0.73956 - 1.33333I		
u = 0.569840		
a = -0.662359 + 1.147240I	-1.11345 + 2.02988I	-12.18187 - 4.49037I
b = -0.215080 + 0.372529I		
u = 0.569840		
a = -0.662359 - 1.147240I	-1.11345 - 2.02988I	-12.18187 + 4.49037I
b = -0.215080 - 0.372529I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$((u^2 - u + 1)^3)(u^{94} + 44u^{93} + \dots - 9u + 1)$
c_2	$((u^2 + u + 1)^3)(u^{94} + 4u^{93} + \dots + 9u + 1)$
c_3	$((u^2 - u + 1)^3)(u^{94} - 4u^{93} + \dots - 3441u + 306)$
c_4, c_9	$u^6(u^{94} + u^{93} + \dots - 160u - 64)$
c_5	$((u^2 - u + 1)^3)(u^{94} + 4u^{93} + \dots + 9u + 1)$
c_6, c_8	$((u^3 + u^2 - 1)^2)(u^{94} + 3u^{93} + \dots - 33u - 34)$
c ₇	$((u^3 - u^2 + 2u - 1)^2)(u^{94} - 3u^{93} + \dots + 4u - 1)$
c_{10}	$u^6(u^{94} + 35u^{93} + \dots + 66560u + 4096)$
c_{11}, c_{12}	$((u^3 + u^2 + 2u + 1)^2)(u^{94} - 3u^{93} + \dots + 4u - 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$((y^2 + y + 1)^3)(y^{94} + 16y^{93} + \dots - 369y + 1)$
c_2, c_5	$((y^2 + y + 1)^3)(y^{94} + 44y^{93} + \dots - 9y + 1)$
c_3	$((y^2 + y + 1)^3)(y^{94} - 12y^{93} + \dots - 6463449y + 93636)$
c_4, c_9	$y^6(y^{94} - 35y^{93} + \dots - 66560y + 4096)$
c_6, c_8	$((y^3 - y^2 + 2y - 1)^2)(y^{94} - 53y^{93} + \dots - 12309y + 1156)$
c_7, c_{11}, c_{12}	$((y^3 + 3y^2 + 2y - 1)^2)(y^{94} + 79y^{93} + \dots - 16y + 1)$
c_{10}	$y^{6}(y^{94} + 37y^{93} + \dots - 3.36593 \times 10^{8}y + 1.67772 \times 10^{7})$