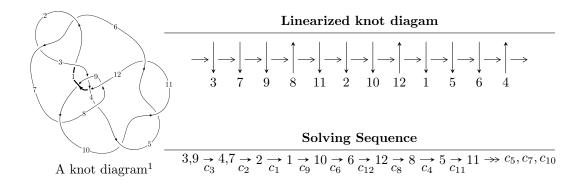
$12a_{0558} (K12a_{0558})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 1.96556 \times 10^{1272} u^{150} - 4.61903 \times 10^{1272} u^{149} + \dots + 1.68074 \times 10^{1275} b - 1.40593 \times 10^{1275}, \\ &\quad 5.76019 \times 10^{1273} u^{150} + 2.86320 \times 10^{1274} u^{149} + \dots + 7.54653 \times 10^{1277} a - 2.77801 \times 10^{1278}, \\ &\quad u^{151} - 2 u^{150} + \dots + 2162 u - 449 \rangle \\ I_2^u &= \langle -2.90007 \times 10^{40} u^{31} + 3.42238 \times 10^{40} u^{30} + \dots + 1.17408 \times 10^{41} b + 1.01177 \times 10^{41}, \\ &\quad 3.04606 \times 10^{40} u^{31} - 3.49551 \times 10^{40} u^{30} + \dots + 1.17408 \times 10^{41} a - 9.77906 \times 10^{40}, \ u^{32} - u^{31} + \dots - 3u - 1 \rangle \\ I_3^u &= \langle u^2 + b + u, \ -u^2 + a - u + 1, \ u^3 + 2u^2 + u + 1 \rangle \end{split}$$

* 3 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 186 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.
$$I_1^u = \langle 1.97 \times 10^{1272} u^{150} - 4.62 \times 10^{1272} u^{149} + \dots + 1.68 \times 10^{1275} b - 1.41 \times 10^{1275}$$
, $5.76 \times 10^{1273} u^{150} + 2.86 \times 10^{1274} u^{149} + \dots + 7.55 \times 10^{1277} a - 2.78 \times 10^{1278}$, $u^{151} - 2u^{150} + \dots + 2162u - 449 \rangle$

(i) Arc colorings

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

$$a_{9} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} -0.0000763290u^{150} - 0.000379406u^{149} + \dots - 31.9809u + 3.68117 \\ -0.00116946u^{150} + 0.00274821u^{149} + \dots + 7.24694u + 0.836496 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -0.00168220u^{150} + 0.00590328u^{149} + \dots + 65.0155u - 6.42701 \\ -6.64115 \times 10^{-6}u^{150} - 0.000367296u^{149} + \dots - 19.2980u + 0.0982350 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} -0.00168885u^{150} + 0.00553599u^{149} + \dots + 45.7175u - 6.32878 \\ -6.64115 \times 10^{-6}u^{150} - 0.000367296u^{149} + \dots - 19.2980u + 0.0982350 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 0.0117674u^{150} - 0.0223322u^{149} + \dots + 43.3172u - 11.8273 \\ -0.00133968u^{150} + 0.0029390u^{149} + \dots + 2.76487u + 0.424849 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0.00568194u^{150} - 0.0122842u^{149} + \dots + 31.1122u - 0.393206 \\ -0.00115135u^{150} + 0.00292564u^{149} + \dots + 14.9915u - 1.56282 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.00168228u^{150} + 0.00557349u^{149} + \dots + 19.4045u + 0.120968 \\ 0.000690792u^{150} - 0.000523140u^{149} + \dots + 19.4045u + 0.120968 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0.0105884u^{150} - 0.0198923u^{149} + \dots + 43.1103u - 12.0399 \\ -0.00148726u^{150} + 0.00330437u^{149} + \dots + 41.0259u + 0.904460 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 0.00860053u^{150} - 0.0223541u^{149} + \dots + 4.10259u + 0.904460 \\ 0.000393479u^{150} - 0.0023541u^{149} + \dots + 2.69319u - 2.04299 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.00880053u^{150} - 0.0223541u^{149} + \dots + 25.8880u - 0.0780800 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $0.0168044u^{150} 0.0359252u^{149} + \cdots + 562.956u + 69.1771$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{151} + 66u^{150} + \dots + 185503u + 3481$
c_2, c_6	$u^{151} - 2u^{150} + \dots + 255u - 59$
c_3	$u^{151} - 2u^{150} + \dots + 2162u - 449$
c_4	$u^{151} - 6u^{150} + \dots - 5051302u - 765269$
c_5, c_{10}, c_{11}	$u^{151} - u^{150} + \dots + 122u + 11$
	$u^{151} + 7u^{150} + \dots + 2354104u + 756296$
<i>c</i> ₈	$u^{151} + 4u^{150} + \dots - 5327u + 391$
<i>c</i> ₉	$u^{151} + 3u^{150} + \dots - u + 1$
c_{12}	$u^{151} + 14u^{150} + \dots + 45u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{151} + 42y^{150} + \dots - 823270257y - 12117361$
c_2, c_6	$y^{151} - 66y^{150} + \dots + 185503y - 3481$
c_3	$y^{151} + 22y^{150} + \dots + 18108324y - 201601$
c_4	$y^{151} + 42y^{150} + \dots - 16103090955074y - 585636642361$
c_5, c_{10}, c_{11}	$y^{151} - 147y^{150} + \dots + 43638y - 121$
	$y^{151} - 35y^{150} + \dots + 10638457160160y - 571983639616$
<i>c</i> ₈	$y^{151} + 6y^{150} + \dots - 424913y - 152881$
<i>c</i> ₉	$y^{151} + 17y^{150} + \dots + 133y - 1$
c_{12}	$y^{151} + 6y^{150} + \dots + 293y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.039981 + 1.008940I		
a = -0.563623 + 1.213530I	2.47108 + 2.65288I	0
b = 0.801162 - 0.706079I		
u = -0.039981 - 1.008940I		
a = -0.563623 - 1.213530I	2.47108 - 2.65288I	0
b = 0.801162 + 0.706079I		
u = 0.703513 + 0.695907I		
a = -0.618455 + 0.040468I	-4.41545 - 2.22036I	0
b = -1.177490 + 0.116883I		
u = 0.703513 - 0.695907I		
a = -0.618455 - 0.040468I	-4.41545 + 2.22036I	0
b = -1.177490 - 0.116883I		
u = 0.939145 + 0.409369I		
a = 0.0896863 + 0.0368558I	-6.34616 - 4.01409I	0
b = 0.515699 - 0.698015I		
u = 0.939145 - 0.409369I		
a = 0.0896863 - 0.0368558I	-6.34616 + 4.01409I	0
b = 0.515699 + 0.698015I		
u = 0.713828 + 0.650377I		
a = -0.98542 + 2.10443I	-0.55710 - 6.66250I	0
b = -0.970801 - 0.659759I		
u = 0.713828 - 0.650377I		
a = -0.98542 - 2.10443I	-0.55710 + 6.66250I	0
b = -0.970801 + 0.659759I		
u = -0.537746 + 0.891491I		
a = 0.287736 + 1.187750I	-1.241290 + 0.238635I	0
b = -0.847487 - 0.680236I		
u = -0.537746 - 0.891491I		
a = 0.287736 - 1.187750I	-1.241290 - 0.238635I	0
b = -0.847487 + 0.680236I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.001240 + 0.291819I		
a = 0.195006 - 1.234500I	-0.31238 + 2.57038I	0
b = 0.305382 + 0.450804I		
u = 1.001240 - 0.291819I		
a = 0.195006 + 1.234500I	-0.31238 - 2.57038I	0
b = 0.305382 - 0.450804I		
u = 0.884487 + 0.346998I		
a = -0.187209 - 0.686003I	-8.59510 + 0.02221I	0
b = 1.335700 + 0.443505I		
u = 0.884487 - 0.346998I		
a = -0.187209 + 0.686003I	-8.59510 - 0.02221I	0
b = 1.335700 - 0.443505I		
u = 0.656850 + 0.850604I		
a = 0.921131 - 0.469165I	-6.51533 - 2.97279I	0
b = 0.359459 + 0.262040I		
u = 0.656850 - 0.850604I		
a = 0.921131 + 0.469165I	-6.51533 + 2.97279I	0
b = 0.359459 - 0.262040I		
u = 0.740056 + 0.783206I		
a = 0.133832 - 0.599426I	-6.77489 - 2.11958I	0
b = -0.138405 + 0.827201I		
u = 0.740056 - 0.783206I		
a = 0.133832 + 0.599426I	-6.77489 + 2.11958I	0
b = -0.138405 - 0.827201I		
u = 0.684530 + 0.845794I		
a = 0.851637 + 0.866097I	-7.33520 - 4.69044I	0
b = -0.911724 + 0.255229I		
u = 0.684530 - 0.845794I		
a = 0.851637 - 0.866097I	-7.33520 + 4.69044I	0
b = -0.911724 - 0.255229I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.874553 + 0.236922I		
a = -0.063913 + 0.716291I	-1.65732 - 0.38865I	0
b = -0.998554 - 0.380216I		
u = -0.874553 - 0.236922I		
a = -0.063913 - 0.716291I	-1.65732 + 0.38865I	0
b = -0.998554 + 0.380216I		
u = -0.414158 + 0.803206I		
a = -0.19220 - 1.61244I	-4.67562 + 11.48670I	0
b = -1.184650 + 0.708377I		
u = -0.414158 - 0.803206I		
a = -0.19220 + 1.61244I	-4.67562 - 11.48670I	0
b = -1.184650 - 0.708377I		
u = -0.633732 + 0.638046I		
a = 1.054430 + 0.057142I	0.30481 + 1.46754I	0
b = -0.679572 - 0.679532I		
u = -0.633732 - 0.638046I		
a = 1.054430 - 0.057142I	0.30481 - 1.46754I	0
b = -0.679572 + 0.679532I		
u = -1.065660 + 0.299057I		
a = 1.027770 + 0.819795I	-7.88222 + 9.14328I	0
b = 1.047810 - 0.626072I		
u = -1.065660 - 0.299057I		
a = 1.027770 - 0.819795I	-7.88222 - 9.14328I	0
b = 1.047810 + 0.626072I		
u = -0.054378 + 0.887305I		
a = 0.657565 + 0.023569I	1.95450 + 3.17739I	0
b = -0.475200 + 0.545615I		
u = -0.054378 - 0.887305I		
a = 0.657565 - 0.023569I	1.95450 - 3.17739I	0
b = -0.475200 - 0.545615I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.486191 + 1.013690I		
a = -0.358459 + 0.571467I	0.87014 + 3.15700I	0
b = 0.270776 - 0.096317I		
u = -0.486191 - 1.013690I		
a = -0.358459 - 0.571467I	0.87014 - 3.15700I	0
b = 0.270776 + 0.096317I		
u = -0.349386 + 0.779593I		
a = -1.93148 + 0.79619I	0.75907 + 1.21132I	0
b = 0.824113 + 0.461791I		
u = -0.349386 - 0.779593I		
a = -1.93148 - 0.79619I	0.75907 - 1.21132I	0
b = 0.824113 - 0.461791I		
u = 0.510108 + 0.682296I		
a = 0.332547 + 1.273250I	1.43305 - 4.63133I	0
b = -0.402137 - 0.983875I		
u = 0.510108 - 0.682296I		
a = 0.332547 - 1.273250I	1.43305 + 4.63133I	0
b = -0.402137 + 0.983875I		
u = -0.170544 + 0.821873I		
a = -0.45307 + 1.94856I	2.31706 + 2.60082I	0
b = 0.864012 - 0.660336I		
u = -0.170544 - 0.821873I		
a = -0.45307 - 1.94856I	2.31706 - 2.60082I	0
b = 0.864012 + 0.660336I		
u = 1.172680 + 0.270553I		
a = 0.561705 + 1.044390I	-0.34895 - 2.72408I	0
b = 0.692677 - 0.246807I		
u = 1.172680 - 0.270553I		
a = 0.561705 - 1.044390I	-0.34895 + 2.72408I	0
b = 0.692677 + 0.246807I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.20530		
a = 0.119339	-2.37234	0
b = -1.28443		
u = -0.035138 + 0.791480I		
a = -0.688063 - 0.627838I	3.61412 + 1.43650I	0
b = 0.434675 + 0.841979I		
u = -0.035138 - 0.791480I		
a = -0.688063 + 0.627838I	3.61412 - 1.43650I	0
b = 0.434675 - 0.841979I		
u = 0.707109 + 0.352643I		
a = 1.69700 - 0.31512I	-4.60050 - 1.41999I	0
b = 0.980235 + 0.009187I		
u = 0.707109 - 0.352643I		
a = 1.69700 + 0.31512I	-4.60050 + 1.41999I	0
b = 0.980235 - 0.009187I		
u = 0.343900 + 0.703421I		
a = 0.54662 - 1.51724I	1.48391 - 6.97874I	0
b = 1.139670 + 0.641881I		
u = 0.343900 - 0.703421I		
a = 0.54662 + 1.51724I	1.48391 + 6.97874I	0
b = 1.139670 - 0.641881I		
u = -0.684542 + 0.375884I		
a = 0.565949 - 0.523686I	-11.42070 - 1.71813I	0
b = 1.273910 + 0.251148I		
u = -0.684542 - 0.375884I		
a = 0.565949 + 0.523686I	-11.42070 + 1.71813I	0
b = 1.273910 - 0.251148I		
u = -0.774735 + 0.028512I		
a = -1.39398 + 1.10712I	-11.30190 + 2.36606I	0
b = -1.115300 - 0.091313I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.774735 - 0.028512I		
a = -1.39398 - 1.10712I	-11.30190 - 2.36606I	0
b = -1.115300 + 0.091313I		
u = 0.971948 + 0.754721I		
a = -0.279676 - 0.490526I	-2.16344 + 2.84576I	0
b = -0.934466 + 0.481120I		
u = 0.971948 - 0.754721I		
a = -0.279676 + 0.490526I	-2.16344 - 2.84576I	0
b = -0.934466 - 0.481120I		
u = -0.019191 + 0.758227I		
a = -1.42992 + 2.58015I	2.17960 + 2.59133I	0
b = 0.840519 - 0.669274I		
u = -0.019191 - 0.758227I		
a = -1.42992 - 2.58015I	2.17960 - 2.59133I	0
b = 0.840519 + 0.669274I		
u = 0.799867 + 0.949650I		
a = 0.14204 + 1.58333I	-1.57764 - 5.52140I	0
b = -0.925437 - 0.691493I		
u = 0.799867 - 0.949650I		
a = 0.14204 - 1.58333I	-1.57764 + 5.52140I	0
b = -0.925437 + 0.691493I		
u = -0.927660 + 0.825764I		
a = 0.300167 + 0.279865I	-4.71028 + 7.33856I	0
b = 1.231230 - 0.033904I		
u = -0.927660 - 0.825764I		
a = 0.300167 - 0.279865I	-4.71028 - 7.33856I	0
b = 1.231230 + 0.033904I		
u = 0.116359 + 0.748309I		
a = 0.625750 - 0.998270I	-2.34326 - 5.17950I	0
b = -0.425643 + 1.056950I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.116359 - 0.748309I		
a = 0.625750 + 0.998270I	-2.34326 + 5.17950I	0
b = -0.425643 - 1.056950I		
u = 0.479187 + 0.567765I		
a = 2.15146 - 1.72457I	0.34784 - 5.12983I	0
b = 0.928810 + 0.502544I		
u = 0.479187 - 0.567765I		
a = 2.15146 + 1.72457I	0.34784 + 5.12983I	0
b = 0.928810 - 0.502544I		
u = -0.973470 + 0.807792I		
a = -0.650484 - 1.157520I	-9.68944 + 6.79778I	0
b = -1.129410 + 0.509755I		
u = -0.973470 - 0.807792I		
a = -0.650484 + 1.157520I	-9.68944 - 6.79778I	0
b = -1.129410 - 0.509755I		
u = -0.588303 + 0.421762I		
a = -0.38630 + 1.47599I	-4.56487 + 6.76711I	0
b = 0.444568 - 1.254430I		
u = -0.588303 - 0.421762I		
a = -0.38630 - 1.47599I	-4.56487 - 6.76711I	0
b = 0.444568 + 1.254430I		
u = -0.548054 + 0.469018I		
a = -0.272258 - 0.565473I	-0.981069 + 0.675049I	0
b = -0.321105 + 0.348772I		
u = -0.548054 - 0.469018I		
a = -0.272258 + 0.565473I	-0.981069 - 0.675049I	0
b = -0.321105 - 0.348772I		
u = -0.699564 + 1.080760I		
a = -0.684863 - 0.689021I	0.81996 + 4.40543I	0
b = 0.463445 + 0.766465I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.699564 - 1.080760I		
a = -0.684863 + 0.689021I	0.81996 - 4.40543I	0
b = 0.463445 - 0.766465I		
u = 0.264880 + 1.265290I		
a = 0.774566 + 1.042540I	-1.61994 - 4.80324I	0
b = -0.893724 - 0.530535I		
u = 0.264880 - 1.265290I		
a = 0.774566 - 1.042540I	-1.61994 + 4.80324I	0
b = -0.893724 + 0.530535I		
u = 0.103422 + 0.685721I		
a = 3.05287 + 0.04453I	1.47781 + 5.10675I	0
b = -0.886886 + 0.550508I		
u = 0.103422 - 0.685721I		
a = 3.05287 - 0.04453I	1.47781 - 5.10675I	0
b = -0.886886 - 0.550508I		
u = -0.024085 + 1.310030I		
a = 0.29059 - 2.09296I	-6.34572 - 1.76164I	0
b = -0.690944 + 0.464454I		
u = -0.024085 - 1.310030I		
a = 0.29059 + 2.09296I	-6.34572 + 1.76164I	0
b = -0.690944 - 0.464454I		
u = -0.329046 + 0.599417I		
a = 0.62690 + 1.89085I	-1.210210 + 0.420943I	0
b = -0.709570 - 0.545400I		
u = -0.329046 - 0.599417I		
a = 0.62690 - 1.89085I	-1.210210 - 0.420943I	0
b = -0.709570 + 0.545400I		
u = 1.32170		
a = -0.458239	-6.91048	0
b = 1.49086		

$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
-5.28622 - 9.93901I	0
-5.28622 + 9.93901I	0
-0.18904 + 4.43856I	0
-0.18904 - 4.43856I	0
-5.87844 - 5.67462I	0
-5.87844 + 5.67462I	0
-5.84098 + 5.80109I	0
-5.84098 - 5.80109I	0
-11.5645 - 10.7900I	0
-11.5645 + 10.7900I	0
	-5.28622 + 9.93901I $-0.18904 + 4.43856I$ $-0.18904 - 4.43856I$ $-5.87844 - 5.67462I$ $-5.87844 + 5.67462I$ $-5.84098 + 5.80109I$ $-5.84098 - 5.80109I$ $-11.5645 - 10.7900I$

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.647621 + 1.201000I		
a = 0.762783 + 1.103760I	0.385022 + 0.107964I	0
b = -0.705171 - 0.872448I		
u = -0.647621 - 1.201000I		
a = 0.762783 - 1.103760I	0.385022 - 0.107964I	0
b = -0.705171 + 0.872448I		
u = 0.769908 + 1.153220I		
a = -0.472047 + 1.079770I	3.87805 - 2.26852I	0
b = 0.509078 - 0.857408I		
u = 0.769908 - 1.153220I		
a = -0.472047 - 1.079770I	3.87805 + 2.26852I	0
b = 0.509078 + 0.857408I		
u = 0.698278 + 1.201230I		
a = -0.02692 + 1.90099I	-0.52356 - 6.09369I	0
b = -0.998175 - 0.747753I		
u = 0.698278 - 1.201230I		
a = -0.02692 - 1.90099I	-0.52356 + 6.09369I	0
b = -0.998175 + 0.747753I		
u = -0.251881 + 0.531550I		
a = -0.938753 - 0.899272I	-0.120299 + 1.210570I	-9.4715 - 13.8749I
b = -1.141050 + 0.529975I		
u = -0.251881 - 0.531550I		
a = -0.938753 + 0.899272I	-0.120299 - 1.210570I	-9.4715 + 13.8749I
b = -1.141050 - 0.529975I		
u = 0.87395 + 1.11199I		
a = 0.39038 - 1.65013I	-1.00826 - 9.69803I	0
b = 1.086800 + 0.627696I		
u = 0.87395 - 1.11199I		
a = 0.39038 + 1.65013I	-1.00826 + 9.69803I	0
b = 1.086800 - 0.627696I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.83764 + 1.17107I		
a = 0.652409 - 0.941387I	1.90280 - 9.41620I	0
b = -0.515383 + 0.903941I		
u = 0.83764 - 1.17107I		
a = 0.652409 + 0.941387I	1.90280 + 9.41620I	0
b = -0.515383 - 0.903941I		
u = 0.26966 + 1.44054I		
a = -0.37076 - 1.73682I	-2.53359 - 1.87365I	0
b = 0.882042 + 0.460269I		
u = 0.26966 - 1.44054I		
a = -0.37076 + 1.73682I	-2.53359 + 1.87365I	0
b = 0.882042 - 0.460269I		
u = -0.233905 + 0.464300I		
a = -0.58755 + 2.61761I	-5.22555 + 4.13773I	-14.9345 - 2.8334I
b = 1.099530 - 0.808893I		
u = -0.233905 - 0.464300I		
a = -0.58755 - 2.61761I	-5.22555 - 4.13773I	-14.9345 + 2.8334I
b = 1.099530 + 0.808893I		
u = -0.94984 + 1.18248I		
a = -0.587432 - 1.051910I	-4.18881 + 13.48630I	0
b = 0.514050 + 0.989899I		
u = -0.94984 - 1.18248I		
a = -0.587432 + 1.051910I	-4.18881 - 13.48630I	0
b = 0.514050 - 0.989899I		
u = -0.174626 + 0.394055I		
a = -3.39050 - 4.42295I	1.72562 - 0.67585I	-0.1046394 + 0.0437731I
b = -0.808733 + 0.552788I		
u = -0.174626 - 0.394055I		
a = -3.39050 + 4.42295I	1.72562 + 0.67585I	-0.1046394 - 0.0437731I
b = -0.808733 - 0.552788I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.96770 + 1.24613I		
a = -0.16685 - 1.63788I	0.0733 + 15.2633I	0
b = -1.113020 + 0.683266I		
u = -0.96770 - 1.24613I		
a = -0.16685 + 1.63788I	0.0733 - 15.2633I	0
b = -1.113020 - 0.683266I		
u = -1.08724 + 1.15973I		
a = -0.071711 - 0.890398I	-3.97164 - 0.36681I	0
b = -1.069550 + 0.219502I		
u = -1.08724 - 1.15973I		
a = -0.071711 + 0.890398I	-3.97164 + 0.36681I	0
b = -1.069550 - 0.219502I		
u = 0.180044 + 0.334675I		
a = 0.29086 + 3.21994I	-0.18705 - 3.08251I	-13.8819 + 5.7749I
b = -0.960656 - 0.789140I		
u = 0.180044 - 0.334675I		
a = 0.29086 - 3.21994I	-0.18705 + 3.08251I	-13.8819 - 5.7749I
b = -0.960656 + 0.789140I		
u = -0.89398 + 1.36055I		
a = -0.062611 - 0.226372I	-8.31788 + 0.18076I	0
b = 0.988118 + 0.358175I		
u = -0.89398 - 1.36055I		
a = -0.062611 + 0.226372I	-8.31788 - 0.18076I	0
b = 0.988118 - 0.358175I		
u = -0.93346 + 1.33979I		
a = 0.513154 + 0.743677I	2.55701 + 1.93002I	0
b = -0.755184 - 0.623513I		
u = -0.93346 - 1.33979I		
a = 0.513154 - 0.743677I	2.55701 - 1.93002I	0
b = -0.755184 + 0.623513I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.01308 + 1.31880I		
a = -0.01076 + 1.49567I	2.11697 + 7.94798I	0
b = 1.094750 - 0.672100I		
u = -1.01308 - 1.31880I		
a = -0.01076 - 1.49567I	2.11697 - 7.94798I	0
b = 1.094750 + 0.672100I		
u = -0.100215 + 0.308742I		
a = -1.38356 - 7.58911I	-4.31968 + 5.28965I	-3.83909 - 5.22434I
b = 0.664047 + 0.576213I		
u = -0.100215 - 0.308742I		
a = -1.38356 + 7.58911I	-4.31968 - 5.28965I	-3.83909 + 5.22434I
b = 0.664047 - 0.576213I		
u = 1.06937 + 1.29791I		
a = 0.05356 - 1.57748I	-6.1639 - 19.6674I	0
b = 1.147760 + 0.711431I		
u = 1.06937 - 1.29791I		
a = 0.05356 + 1.57748I	-6.1639 + 19.6674I	0
b = 1.147760 - 0.711431I		
u = -1.60116 + 0.54934I		
a = 0.010083 - 0.801196I	-1.94906 - 6.81814I	0
b = 1.019310 + 0.546714I		
u = -1.60116 - 0.54934I		
a = 0.010083 + 0.801196I	-1.94906 + 6.81814I	0
b = 1.019310 - 0.546714I		
u = 1.17760 + 1.22031I		
a = -0.512586 + 0.795255I	-1.75309 - 3.05946I	0
b = 0.796434 - 0.754938I		
u = 1.17760 - 1.22031I		
a = -0.512586 - 0.795255I	-1.75309 + 3.05946I	0
b = 0.796434 + 0.754938I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.26832 + 1.68540I		
a = 0.59758 - 1.50479I	-7.32729 + 5.88276I	0
b = -0.979726 + 0.522355I		
u = -0.26832 - 1.68540I		
a = 0.59758 + 1.50479I	-7.32729 - 5.88276I	0
b = -0.979726 - 0.522355I		
u = 1.20607 + 1.27559I		
a = -0.31054 + 1.42032I	2.00130 - 6.79686I	0
b = -0.931493 - 0.612346I		
u = 1.20607 - 1.27559I		
a = -0.31054 - 1.42032I	2.00130 + 6.79686I	0
b = -0.931493 + 0.612346I		
u = -0.233711		
a = 2.09840	-1.28591	-7.80700
b = -0.780549		
u = 0.061520 + 0.222196I		
a = -2.66146 + 4.07281I	-4.36742 + 2.42677I	-12.68907 - 3.84305I
b = 0.820097 - 0.895548I		
u = 0.061520 - 0.222196I		
a = -2.66146 - 4.07281I	-4.36742 - 2.42677I	-12.68907 + 3.84305I
b = 0.820097 + 0.895548I		
u = 1.11273 + 1.38219I		
a = 0.152711 + 1.337940I	-2.90923 - 10.25880I	0
b = -1.191970 - 0.639568I		
u = 1.11273 - 1.38219I		
a = 0.152711 - 1.337940I	-2.90923 + 10.25880I	0
b = -1.191970 + 0.639568I		
u = -1.10550 + 1.39834I		
a = 0.442322 + 1.292840I	-2.08616 + 4.53346I	0
b = 0.882770 - 0.476322I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.10550 - 1.39834I		
a = 0.442322 - 1.292840I	-2.08616 - 4.53346I	0
b = 0.882770 + 0.476322I		
u = -1.37785 + 1.15881I		
a = 0.29332 + 1.46570I	-2.14974 + 8.62294I	0
b = 0.923535 - 0.710671I		
u = -1.37785 - 1.15881I		
a = 0.29332 - 1.46570I	-2.14974 - 8.62294I	0
b = 0.923535 + 0.710671I		
u = 0.83341 + 1.60435I		
a = -0.550036 + 0.641053I	-2.01601 - 0.65285I	0
b = 0.862447 - 0.474747I		
u = 0.83341 - 1.60435I		
a = -0.550036 - 0.641053I	-2.01601 + 0.65285I	0
b = 0.862447 + 0.474747I		
u = 1.87851		
a = -0.0450608	-6.65544	0
b = 1.19224		
u = 0.0780179		
a = -2.23309	-10.0070	168.230
b = 1.84685		
u = 1.24571 + 1.68316I		
a = -0.310636 - 0.866579I	-9.63485 + 2.57620I	0
b = 1.162770 + 0.301482I		
u = 1.24571 - 1.68316I		
a = -0.310636 + 0.866579I	-9.63485 - 2.57620I	0
b = 1.162770 - 0.301482I		
u = 2.00052 + 0.77434I		
a = 0.165853 - 0.784226I	-7.97604 + 10.06560I	0
b = -1.076110 + 0.544915I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 2.00052 - 0.77434I		
a = 0.165853 + 0.784226I	-7.97604 - 10.06560I	0
b = -1.076110 - 0.544915I		

$$\begin{array}{l} I_2^u = \langle -2.90 \times 10^{40} u^{31} + 3.42 \times 10^{40} u^{30} + \dots + 1.17 \times 10^{41} b + 1.01 \times 10^{41}, \ 3.05 \times 10^{40} u^{31} - 3.50 \times 10^{40} u^{30} + \dots + 1.17 \times 10^{41} a - 9.78 \times 10^{40}, \ u^{32} - u^{31} + \dots - 3u - 1 \rangle \end{array}$$

(i) Arc colorings

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

$$a_{9} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} -0.259443u^{31} + 0.297724u^{30} + \dots + 1.13377u + 0.832915 \\ 0.247008u^{31} - 0.291495u^{30} + \dots + 1.96496u - 0.861759 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} -0.112993u^{31} + 0.228762u^{30} + \dots - 5.05835u + 0.652592 \\ 0.312631u^{31} - 0.148818u^{30} + \dots + 5.80454u - 1.80697 \end{pmatrix}$$

$$a_{1} = \begin{pmatrix} 0.199638u^{31} + 0.0799439u^{30} + \dots + 0.746197u - 1.15438 \\ 0.312631u^{31} - 0.148818u^{30} + \dots + 5.80454u - 1.80697 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} 0.590732u^{31} - 0.437882u^{30} + \dots + 0.715423u + 0.744481 \\ 0.167742u^{31} - 0.139050u^{30} + \dots - 0.349573u + 0.253437 \end{pmatrix}$$

$$a_{6} = \begin{pmatrix} 0.259169u^{31} - 0.175413u^{30} + \dots + 7.20063u - 1.66364 \\ -0.849297u^{31} + 0.802593u^{30} + \dots - 7.27708u + 2.23530 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 0.0855724u^{31} + 0.163355u^{30} + \dots - 4.01996u + 0.932174 \\ 0.188127u^{31} - 0.0569394u^{30} + \dots + 4.91394u - 2.00877 \\ 0.218959u^{31} - 0.322426u^{30} + \dots + 2.23122u + 1.34756 \\ 0.218959u^{31} - 0.322426u^{30} + \dots + 1.87298u - 0.737771 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 0.0793517u^{31} + 0.496709u^{30} + \dots + 4.79774u + 0.822991 \\ 0.200468u^{31} - 0.213050u^{30} + \dots + 3.85227u - 0.945761 \end{pmatrix}$$

$$a_{11} = \begin{pmatrix} 0.157447u^{31} - 0.483979u^{30} + \dots + 2.42869u - 2.19665 \\ -0.0246276u^{31} + 0.258033u^{30} + \dots + 2.42869u - 2.19665 \\ -0.0246276u^{31} + 0.258033u^{30} + \dots + 4.45651u + 2.29913 \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $14.3644u^{31} 17.9288u^{30} + \cdots + 257.537u 99.8147$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{32} - 17u^{31} + \dots - 12u + 1$
c_2	$u^{32} + u^{31} + \dots - 2u - 1$
c_3	$u^{32} - u^{31} + \dots - 3u - 1$
<i>C</i> ₄	$u^{32} - 2u^{31} + \dots + 2u - 1$
<i>C</i> ₅	$u^{32} - 17u^{30} + \dots - 3u - 1$
<i>c</i> ₆	$u^{32} - u^{31} + \dots + 2u - 1$
C ₇	$u^{32} - 12u^{31} + \dots - 485u + 53$
c ₈	$u^{32} - 6u^{31} + \dots + 7u - 1$
<i>c</i> ₉	$u^{32} - u^{31} + \dots - 5u - 1$
c_{10}, c_{11}	$u^{32} - 17u^{30} + \dots + 3u - 1$
c_{12}	$u^{32} - 4u^{31} + \dots - 3u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{32} - y^{31} + \dots + 20y + 1$
c_2, c_6	$y^{32} - 17y^{31} + \dots - 12y + 1$
c_3	$y^{32} + 7y^{31} + \dots - 25y + 1$
c_4	$y^{32} + 2y^{31} + \dots + 2y + 1$
c_5, c_{10}, c_{11}	$y^{32} - 34y^{31} + \dots - 27y + 1$
	$y^{32} + 4y^{31} + \dots - 18985y + 2809$
<i>c</i> ₈	$y^{32} + 10y^{31} + \dots - 27y + 1$
<i>c</i> ₉	$y^{32} + 17y^{31} + \dots - 17y + 1$
c_{12}	$y^{32} - 10y^{31} + \dots - y + 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.488763 + 0.879566I		
a = 0.569405 - 1.230560I	-3.60212 - 0.35271I	-11.44184 + 1.16616I
b = 0.930711 + 0.077629I		
u = 0.488763 - 0.879566I		
a = 0.569405 + 1.230560I	-3.60212 + 0.35271I	-11.44184 - 1.16616I
b = 0.930711 - 0.077629I		
u = 1.04094		
a = -0.0819584	-2.52536	-34.5880
b = 1.29815		
u = 1.026030 + 0.254901I		
a = 1.315340 + 0.096241I	-5.29143 - 5.14954I	-9.59656 + 2.58832I
b = 0.625021 - 0.470991I		
u = 1.026030 - 0.254901I		
a = 1.315340 - 0.096241I	-5.29143 + 5.14954I	-9.59656 - 2.58832I
b = 0.625021 + 0.470991I		
u = -0.339151 + 0.799174I		
a = -0.96550 + 1.07724I	1.38532 + 3.77616I	-4.24255 - 7.68180I
b = 0.574094 - 0.581329I		
u = -0.339151 - 0.799174I		
a = -0.96550 - 1.07724I	1.38532 - 3.77616I	-4.24255 + 7.68180I
b = 0.574094 + 0.581329I		
u = -1.140530 + 0.020355I		
a = 0.316295 + 0.217050I	-6.79304 + 9.50096I	-9.61208 - 8.36831I
b = 1.053640 - 0.563098I		
u = -1.140530 - 0.020355I		
a = 0.316295 - 0.217050I	-6.79304 - 9.50096I	-9.61208 + 8.36831I
b = 1.053640 + 0.563098I		
u = -0.648446 + 0.993169I		
a = -1.27648 - 1.05847I	-7.43281 + 2.78981I	-18.8572 - 2.8332I
b = -0.720929 + 0.038410I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.648446 - 0.993169I		
a = -1.27648 + 1.05847I	-7.43281 - 2.78981I	-18.8572 + 2.8332I
b = -0.720929 - 0.038410I		
u = -0.427348 + 0.626009I		
a = 1.14010 - 1.23422I	1.40962 + 1.58717I	-0.33209 - 7.04805I
b = -0.720446 - 0.539462I		
u = -0.427348 - 0.626009I		
a = 1.14010 + 1.23422I	1.40962 - 1.58717I	-0.33209 + 7.04805I
b = -0.720446 + 0.539462I		
u = -0.490350 + 1.206540I		
a = 0.330426 - 0.921161I	-9.23401 - 1.87161I	-13.49061 - 0.90579I
b = -1.127460 + 0.183458I		
u = -0.490350 - 1.206540I		
a = 0.330426 + 0.921161I	-9.23401 + 1.87161I	-13.49061 + 0.90579I
b = -1.127460 - 0.183458I		
u = 0.594651 + 1.175790I		
a = 0.021833 + 1.195750I	-1.63100 - 2.95883I	-8.63603 + 2.17883I
b = -0.428033 - 0.483703I		
u = 0.594651 - 1.175790I		
a = 0.021833 - 1.195750I	-1.63100 + 2.95883I	-8.63603 - 2.17883I
b = -0.428033 + 0.483703I		
u = 0.512118 + 0.447145I		
a = -1.88937 + 1.33666I	0.46470 - 6.10591I	-6.74537 + 9.41874I
b = -0.998073 - 0.581544I		
u = 0.512118 - 0.447145I		
a = -1.88937 - 1.33666I	0.46470 + 6.10591I	-6.74537 - 9.41874I
b = -0.998073 + 0.581544I		
u = 0.592008 + 0.293624I		
a = 0.61138 + 2.14540I	-4.42557 - 6.14911I	-8.93876 + 4.34127I
b = -0.500066 - 0.885993I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.592008 - 0.293624I		
a = 0.61138 - 2.14540I	-4.42557 + 6.14911I	-8.93876 - 4.34127I
b = -0.500066 + 0.885993I		
u = -0.762483 + 1.129630I		
a = 0.617322 + 0.539443I	1.83552 + 2.12082I	-6.99441 - 2.56747I
b = -0.700162 - 0.615373I		
u = -0.762483 - 1.129630I		
a = 0.617322 - 0.539443I	1.83552 - 2.12082I	-6.99441 + 2.56747I
b = -0.700162 + 0.615373I		
u = 0.99494 + 1.04188I		
a = -0.41113 + 1.50304I	0.88609 - 7.07001I	-7.06142 + 8.53212I
b = -0.995483 - 0.633001I		
u = 0.99494 - 1.04188I		
a = -0.41113 - 1.50304I	0.88609 + 7.07001I	-7.06142 - 8.53212I
b = -0.995483 + 0.633001I		
u = -0.117844 + 0.444849I		
a = 1.17297 + 1.74658I	-0.007912 + 0.854010I	-2.86933 + 5.57519I
b = 1.099890 - 0.592087I		
u = -0.117844 - 0.444849I		
a = 1.17297 - 1.74658I	-0.007912 - 0.854010I	-2.86933 - 5.57519I
b = 1.099890 + 0.592087I		
u = 1.06050 + 1.48292I		
a = -0.366424 + 1.030470I	-0.71718 - 1.95774I	0
b = 0.680650 - 0.687783I		
u = 1.06050 - 1.48292I		
a = -0.366424 - 1.030470I	-0.71718 + 1.95774I	0
b = 0.680650 + 0.687783I		
u = -0.174657		
a = 0.677629	-10.0299	-181.300
b = -1.84431		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.27599 + 1.47429I		
a = 0.01599 + 1.46880I	-1.69191 + 7.28094I	0
b = 0.999736 - 0.681086I		
u = -1.27599 - 1.47429I		
a = 0.01599 - 1.46880I	-1.69191 - 7.28094I	0
b = 0.999736 + 0.681086I		

III.
$$I_3^u = \langle u^2 + b + u, -u^2 + a - u + 1, u^3 + 2u^2 + u + 1 \rangle$$

(i) Arc colorings

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

$$a_{9} = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_{7} = \begin{pmatrix} u^{2} + u - 1 \\ -u^{2} - u \end{pmatrix}$$

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

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

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

$$a_{12} = \begin{pmatrix} -u^{2} - 2u - 2 \\ u^{2} + 2u + 1 \end{pmatrix}$$

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

$$a_{5} = \begin{pmatrix} -u \\ 0 \end{pmatrix}$$

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

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = $-3u^2 10u 9$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^3 - 2u^2 + u - 1$
c_2, c_5	$u^3 - u + 1$
c_3	$u^3 + 2u^2 + u + 1$
c_4	$u^3 + 3u^2 + 2u + 1$
c_6, c_{10}, c_{11}	u^3-u-1
C ₇	u^3
c_8, c_{12}	$u^3 + u^2 - 1$
<i>c</i> ₉	$u^3 + u^2 + 2u + 1$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1, c_3	$y^3 - 2y^2 - 3y - 1$
$c_2, c_5, c_6 \\ c_{10}, c_{11}$	$y^3 - 2y^2 + y - 1$
c_4	$y^3 - 5y^2 - 2y - 1$
	y^3
c_8, c_{12}	$y^3 - y^2 + 2y - 1$
<i>c</i> 9	$y^3 + 3y^2 + 2y - 1$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_3^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.122561 + 0.744862I		
a = -1.66236 + 0.56228I	1.45094 + 3.77083I	-6.15499 - 6.90087I
b = 0.662359 - 0.562280I		
u = -0.122561 - 0.744862I		
a = -1.66236 - 0.56228I	1.45094 - 3.77083I	-6.15499 + 6.90087I
b = 0.662359 + 0.562280I		
u = -1.75488		
a = 0.324718	-6.19175	-0.690010
b = -1.32472		

IV. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$(u^{3} - 2u^{2} + u - 1)(u^{32} - 17u^{31} + \dots - 12u + 1)$ $\cdot (u^{151} + 66u^{150} + \dots + 185503u + 3481)$
c_2	$ (u^3 - u + 1)(u^{32} + u^{31} + \dots - 2u - 1)(u^{151} - 2u^{150} + \dots + 255u - 59) $
c_3	$(u^{3} + 2u^{2} + u + 1)(u^{32} - u^{31} + \dots - 3u - 1)$ $\cdot (u^{151} - 2u^{150} + \dots + 2162u - 449)$
c_4	$(u^{3} + 3u^{2} + 2u + 1)(u^{32} - 2u^{31} + \dots + 2u - 1)$ $\cdot (u^{151} - 6u^{150} + \dots - 5051302u - 765269)$
c_5	$(u^3 - u + 1)(u^{32} - 17u^{30} + \dots - 3u - 1)(u^{151} - u^{150} + \dots + 122u + 11)$
c_6	$(u^3 - u - 1)(u^{32} - u^{31} + \dots + 2u - 1)(u^{151} - 2u^{150} + \dots + 255u - 59)$
c_7	$u^{3}(u^{32} - 12u^{31} + \dots - 485u + 53)$ $\cdot (u^{151} + 7u^{150} + \dots + 2354104u + 756296)$
c_8	$(u^3 + u^2 - 1)(u^{32} - 6u^{31} + \dots + 7u - 1)(u^{151} + 4u^{150} + \dots - 5327u + 3910)$
c_9	$(u^3 + u^2 + 2u + 1)(u^{32} - u^{31} + \dots - 5u - 1)(u^{151} + 3u^{150} + \dots - u + 1)$
c_{10}, c_{11}	$(u^3 - u - 1)(u^{32} - 17u^{30} + \dots + 3u - 1)(u^{151} - u^{150} + \dots + 122u + 11)$
c_{12}	$(u^3 + u^2 - 1)(u^{32} - 4u^{31} + \dots - 3u + 1)(u^{151} + 14u^{150} + \dots + 45u + 1)$

V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
c_1	$(y^3 - 2y^2 - 3y - 1)(y^{32} - y^{31} + \dots + 20y + 1)$ $\cdot (y^{151} + 42y^{150} + \dots - 823270257y - 12117361)$
c_2, c_6	$(y^3 - 2y^2 + y - 1)(y^{32} - 17y^{31} + \dots - 12y + 1)$ $\cdot (y^{151} - 66y^{150} + \dots + 185503y - 3481)$
c_3	$(y^3 - 2y^2 - 3y - 1)(y^{32} + 7y^{31} + \dots - 25y + 1)$ $\cdot (y^{151} + 22y^{150} + \dots + 18108324y - 201601)$
c_4	$(y^3 - 5y^2 - 2y - 1)(y^{32} + 2y^{31} + \dots + 2y + 1)$ $\cdot (y^{151} + 42y^{150} + \dots - 16103090955074y - 585636642361)$
c_5, c_{10}, c_{11}	$(y^3 - 2y^2 + y - 1)(y^{32} - 34y^{31} + \dots - 27y + 1)$ $\cdot (y^{151} - 147y^{150} + \dots + 43638y - 121)$
c_7	$y^{3}(y^{32} + 4y^{31} + \dots - 18985y + 2809)$ $\cdot (y^{151} - 35y^{150} + \dots + 10638457160160y - 571983639616)$
c_8	$(y^3 - y^2 + 2y - 1)(y^{32} + 10y^{31} + \dots - 27y + 1)$ $\cdot (y^{151} + 6y^{150} + \dots - 424913y - 152881)$
<i>c</i> ₉	$(y^3 + 3y^2 + 2y - 1)(y^{32} + 17y^{31} + \dots - 17y + 1)$ $\cdot (y^{151} + 17y^{150} + \dots + 133y - 1)$
c_{12}	$(y^{3} - y^{2} + 2y - 1)(y^{32} - 10y^{31} + \dots - y + 1)$ $\cdot (y^{151} + 6y^{150} + \dots + 293y - 1)$