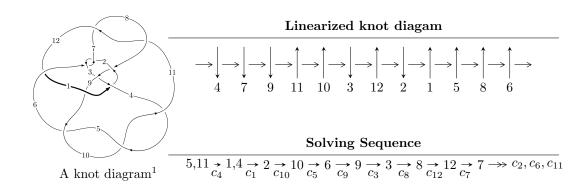
$12a_{1058} (K12a_{1058})$



Ideals for irreducible components² of X_{par}

$$\begin{split} I_1^u &= \langle 6.77987 \times 10^{529} u^{151} - 2.60638 \times 10^{530} u^{150} + \dots + 2.32236 \times 10^{530} b - 7.75568 \times 10^{530}, \\ &+ 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 6.96708 \times 10^{530} a - 1.05433 \times 10^{532}, \ u^{152} - u^{151} + \dots - 6.96708 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{151} - 1.86825 \times 10^{530} u^{150} + \dots + 785779145393b - 1057448627428, \\ &- 4.01232 \times 10^{530} u^{150} + \dots + 10^{530} u^{150} u^{150} + \dots + 10^{530} u^{150} u^{150}$$

* 2 irreducible components of $\dim_{\mathbb{C}} = 0$, with total 194 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.
$$I_1^u = \langle 6.78 \times 10^{529} u^{151} - 2.61 \times 10^{530} u^{150} + \dots + 2.32 \times 10^{530} b - 7.76 \times 10^{530}, \ 4.01 \times 10^{530} u^{151} - 1.87 \times 10^{530} u^{150} + \dots + 6.97 \times 10^{530} a - 1.05 \times 10^{532}, \ u^{152} - u^{151} + \dots - 61u + 3 \rangle$$

(i) Arc colorings

$$a_{5} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{1} = \begin{pmatrix} -0.575897u^{151} + 0.268154u^{150} + \cdots - 218.578u + 15.1330 \\ -0.291939u^{151} + 1.12230u^{150} + \cdots - 58.3679u + 3.33957 \end{pmatrix}$$

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

$$a_{2} = \begin{pmatrix} -0.188865u^{151} - 0.260558u^{150} + \cdots - 177.254u + 12.7167 \\ -0.542871u^{151} + 1.76489u^{150} + \cdots - 68.1715u + 3.76461 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} -1.96213u^{151} + 0.333521u^{150} + \cdots - 400.771u + 20.0410 \\ -0.0536691u^{151} + 2.47127u^{150} + \cdots + 3.73527u - 1.95372 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 7.33103u^{151} - 6.16852u^{150} + \cdots + 1895.49u - 129.107 \\ -0.954188u^{151} + 0.712754u^{150} + \cdots + 40.7323u - 2.82961 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 0.535983u^{151} - 0.784566u^{150} + \cdots + 77.8051u - 8.33785 \\ 0.0700948u^{151} + 0.756951u^{150} + \cdots - 52.3469u + 2.24342 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} -0.203870u^{151} - 0.152271u^{150} + \cdots - 182.925u + 12.7787 \\ -0.638054u^{151} + 1.71099u^{150} + \cdots - 70.1352u + 3.92211 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -0.487296u^{151} - 0.705863u^{150} + \cdots - 34.0215u - 6.18471 \\ -0.0704317u^{151} + 2.34336u^{150} + \cdots - 31.4761u + 0.0244434 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes = $-0.0312083u^{151} 1.55714u^{150} + \cdots 167.321u + 31.3804$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{152} - 11u^{151} + \dots + 18140u + 5351$
c_2, c_6	$u^{152} - u^{151} + \dots + 4353u + 1651$
<i>c</i> ₃	$u^{152} - 2u^{151} + \dots + 87u + 7$
c_4, c_5, c_{10}	$u^{152} + u^{151} + \dots + 61u + 3$
c_7, c_{11}	$u^{152} + 3u^{151} + \dots + 61152u + 8128$
<i>c</i> ₈	$u^{152} - u^{151} + \dots + 57030u + 6997$
<i>c</i> ₉	$u^{152} - 5u^{151} + \dots + 176391091u + 46936013$
c_{12}	$u^{152} + u^{151} + \dots - 347000939u + 62972897$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{152} - 33y^{151} + \dots - 1604598874y + 28633201$
c_2, c_6	$y^{152} + 83y^{151} + \dots + 110545925y + 2725801$
<i>c</i> ₃	$y^{152} - 10y^{151} + \dots + 3323y + 49$
c_4, c_5, c_{10}	$y^{152} + 155y^{151} + \dots + 275y + 9$
c_7, c_{11}	$y^{152} + 87y^{151} + \dots + 2765433856y + 66064384$
<i>c</i> ₈	$y^{152} + 3y^{151} + \dots + 3614155020y + 48958009$
<i>c</i> ₉	$y^{152} + 31y^{151} + \dots + 104404411598711997y + 2202989316336169$
c_{12}	$y^{152} + 47y^{151} + \dots + 710392624054179195y + 3965585756572609$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.878179 + 0.495642I		
a = -0.564021 - 0.738126I	-0.7060 + 15.2759I	0
b = -0.752235 + 0.139735I		
u = 0.878179 - 0.495642I		
a = -0.564021 + 0.738126I	-0.7060 - 15.2759I	0
b = -0.752235 - 0.139735I		
u = -0.886322 + 0.532057I		
a = 0.420058 - 0.788913I	-3.72811 - 8.56360I	0
b = 0.644080 + 0.199211I		
u = -0.886322 - 0.532057I		
a = 0.420058 + 0.788913I	-3.72811 + 8.56360I	0
b = 0.644080 - 0.199211I		
u = 0.116120 + 0.945775I		
a = 0.457765 + 0.653681I	-2.65978 - 0.93404I	0
b = 0.169583 + 0.417592I		
u = 0.116120 - 0.945775I		
a = 0.457765 - 0.653681I	-2.65978 + 0.93404I	0
b = 0.169583 - 0.417592I		
u = 0.407000 + 1.005930I		
a = -0.437541 + 0.247181I	-1.70138 - 1.08051I	0
b = 0.810914 + 0.503999I		
u = 0.407000 - 1.005930I		
a = -0.437541 - 0.247181I	-1.70138 + 1.08051I	0
b = 0.810914 - 0.503999I		
u = -0.742540 + 0.507978I		
a = -0.884196 + 0.627862I	2.69781 - 8.89406I	0
b = -0.601044 - 0.139088I		
u = -0.742540 - 0.507978I		
a = -0.884196 - 0.627862I	2.69781 + 8.89406I	0
b = -0.601044 + 0.139088I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.833938 + 0.729054I		
a = 0.193277 - 0.443729I	-1.33475 - 9.55748I	0
b = -0.445113 - 0.516791I		
u = 0.833938 - 0.729054I		
a = 0.193277 + 0.443729I	-1.33475 + 9.55748I	0
b = -0.445113 + 0.516791I		
u = 0.788215 + 0.402245I		
a = -0.397730 - 0.625511I	-3.76675 + 2.08728I	0
b = -0.252690 - 0.409109I		
u = 0.788215 - 0.402245I		
a = -0.397730 + 0.625511I	-3.76675 - 2.08728I	0
b = -0.252690 + 0.409109I		
u = -0.430313 + 1.040840I		
a = 0.505748 + 0.188593I	-2.69394 - 0.61392I	0
b = 0.216466 - 0.014818I		
u = -0.430313 - 1.040840I		
a = 0.505748 - 0.188593I	-2.69394 + 0.61392I	0
b = 0.216466 + 0.014818I		
u = -0.718800 + 0.496615I		
a = 0.239945 + 0.250970I	2.65155 + 4.05569I	0
b = -0.306341 + 0.691719I		
u = -0.718800 - 0.496615I		
a = 0.239945 - 0.250970I	2.65155 - 4.05569I	0
b = -0.306341 - 0.691719I		
u = 0.765332 + 0.836222I		
a = -0.496086 + 0.021099I	-3.70871 + 3.30219I	0
b = -0.410884 - 0.209396I		
u = 0.765332 - 0.836222I		
a = -0.496086 - 0.021099I	-3.70871 - 3.30219I	0
b = -0.410884 + 0.209396I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.866630 + 0.737689I		
a = -0.257202 - 0.440095I	-4.23349 + 2.67967I	0
b = 0.595072 - 0.290409I		
u = -0.866630 - 0.737689I		
a = -0.257202 + 0.440095I	-4.23349 - 2.67967I	0
b = 0.595072 + 0.290409I		
u = -0.798518 + 0.321414I		
a = -0.403875 + 0.708676I	3.00753 - 0.46886I	0
b = -0.678022 - 0.341985I		
u = -0.798518 - 0.321414I		
a = -0.403875 - 0.708676I	3.00753 + 0.46886I	0
b = -0.678022 + 0.341985I		
u = 0.010639 + 1.150670I		
a = -0.122608 - 0.168471I	-1.53894 - 1.47676I	0
b = 0.389426 + 1.074840I		
u = 0.010639 - 1.150670I		
a = -0.122608 + 0.168471I	-1.53894 + 1.47676I	0
b = 0.389426 - 1.074840I		
u = -0.670173 + 0.936099I		
a = 0.182741 + 0.438576I	1.30622 - 4.56377I	0
b = -0.168191 + 0.197395I		
u = -0.670173 - 0.936099I		
a = 0.182741 - 0.438576I	1.30622 + 4.56377I	0
b = -0.168191 - 0.197395I		
u = 0.885952 + 0.738183I		
a = -0.031977 - 0.485715I	4.23346 + 3.17237I	0
b = -0.452412 + 0.243336I		
u = 0.885952 - 0.738183I		
a = -0.031977 + 0.485715I	4.23346 - 3.17237I	0
b = -0.452412 - 0.243336I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.632233 + 0.513263I		
a = -0.939088 - 0.272049I	-4.29681 + 2.42359I	0
b = -0.621434 - 0.417344I		
u = 0.632233 - 0.513263I		
a = -0.939088 + 0.272049I	-4.29681 - 2.42359I	0
b = -0.621434 + 0.417344I		
u = -0.205898 + 1.186000I		
a = -0.582756 + 0.982859I	-1.65459 + 3.47179I	0
b = 0.447247 + 0.094284I		
u = -0.205898 - 1.186000I		
a = -0.582756 - 0.982859I	-1.65459 - 3.47179I	0
b = 0.447247 - 0.094284I		
u = -1.139650 + 0.433163I		
a = 0.116838 - 0.194203I	0.03737 - 5.44081I	0
b = 0.262431 - 0.162027I		
u = -1.139650 - 0.433163I		
a = 0.116838 + 0.194203I	0.03737 + 5.44081I	0
b = 0.262431 + 0.162027I		
u = 0.410672 + 0.652255I		
a = -0.293315 - 0.129450I	4.54413 + 3.63997I	0
b = -0.508365 + 0.769709I		
u = 0.410672 - 0.652255I		
a = -0.293315 + 0.129450I	4.54413 - 3.63997I	0
b = -0.508365 - 0.769709I		
u = 0.652917 + 0.400077I		
a = 0.875931 + 0.919214I	-0.37881 + 4.59426I	0
b = 0.587310 - 0.280434I		
u = 0.652917 - 0.400077I		
a = 0.875931 - 0.919214I	-0.37881 - 4.59426I	0
b = 0.587310 + 0.280434I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.129057 + 0.740489I		
a = -0.559667 + 0.791209I	-3.38245 - 1.15411I	0
b = 1.23420 - 0.86120I		
u = 0.129057 - 0.740489I		
a = -0.559667 - 0.791209I	-3.38245 + 1.15411I	0
b = 1.23420 + 0.86120I		
u = 0.154921 + 1.244210I		
a = 1.49381 + 0.02502I	-3.34546 + 5.16441I	0
b = -1.42953 - 0.41635I		
u = 0.154921 - 1.244210I		
a = 1.49381 - 0.02502I	-3.34546 - 5.16441I	0
b = -1.42953 + 0.41635I		
u = 0.731029 + 0.077477I		
a = -0.292731 - 0.205590I	0.06364 - 2.09801I	0
b = 0.480046 + 0.669669I		
u = 0.731029 - 0.077477I		
a = -0.292731 + 0.205590I	0.06364 + 2.09801I	0
b = 0.480046 - 0.669669I		
u = -0.698365 + 0.208979I		
a = -0.248960 - 1.215250I	-1.64281 + 2.39766I	0
b = -0.079980 - 0.434451I		
u = -0.698365 - 0.208979I		
a = -0.248960 + 1.215250I	-1.64281 - 2.39766I	0
b = -0.079980 + 0.434451I		
u = 0.070858 + 1.275140I		
a = 2.26182 + 0.52413I	-1.83616 + 7.02854I	0
b = -3.71114 - 0.78285I		
u = 0.070858 - 1.275140I		
a = 2.26182 - 0.52413I	-1.83616 - 7.02854I	0
b = -3.71114 + 0.78285I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.410942 + 0.550754I		
a = 0.774903 - 1.136430I	4.73178 - 0.42762I	0
b = 0.112360 - 0.223213I		
u = 0.410942 - 0.550754I		
a = 0.774903 + 1.136430I	4.73178 + 0.42762I	0
b = 0.112360 + 0.223213I		
u = -0.115670 + 1.319870I		
a = -1.36451 + 0.88061I	-4.80210 - 4.79919I	0
b = 2.23719 - 0.43979I		
u = -0.115670 - 1.319870I		
a = -1.36451 - 0.88061I	-4.80210 + 4.79919I	0
b = 2.23719 + 0.43979I		
u = 0.208472 + 1.310300I		
a = 0.89939 + 1.17267I	-6.08306 + 0.50528I	0
b = -1.58138 - 1.27280I		
u = 0.208472 - 1.310300I		
a = 0.89939 - 1.17267I	-6.08306 - 0.50528I	0
b = -1.58138 + 1.27280I		
u = -0.508578 + 0.431740I		
a = 1.248810 + 0.056768I	-2.52055 - 5.73891I	0
b = 1.009340 - 0.226090I		
u = -0.508578 - 0.431740I		
a = 1.248810 - 0.056768I	-2.52055 + 5.73891I	0
b = 1.009340 + 0.226090I		
u = -0.133462 + 1.331980I		
a = -2.90036 - 0.13099I	-2.23942 - 8.63079I	0
b = 3.26439 + 0.50437I		
u = -0.133462 - 1.331980I		
a = -2.90036 + 0.13099I	-2.23942 + 8.63079I	0
b = 3.26439 - 0.50437I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.033696 + 1.350720I		
a = 1.70640 - 0.85038I	-0.265313 - 0.091703I	0
b = -2.82792 + 1.64885I		
u = 0.033696 - 1.350720I		
a = 1.70640 + 0.85038I	-0.265313 + 0.091703I	0
b = -2.82792 - 1.64885I		
u = 0.606994 + 0.220097I		
a = 0.89141 + 1.16253I	-0.49470 + 3.84426I	0
b = 0.933696 - 0.308841I		
u = 0.606994 - 0.220097I		
a = 0.89141 - 1.16253I	-0.49470 - 3.84426I	0
b = 0.933696 + 0.308841I		
u = 0.642477 + 0.029689I		
a = 0.48324 - 2.08567I	1.51598 - 4.61783I	7.58913 + 6.56112I
b = 0.310626 + 0.240849I		
u = 0.642477 - 0.029689I		
a = 0.48324 + 2.08567I	1.51598 + 4.61783I	7.58913 - 6.56112I
b = 0.310626 - 0.240849I		
u = -0.115573 + 1.361180I		
a = -1.58752 + 0.07873I	-3.72991 - 2.68509I	0
b = 2.50751 + 0.05649I		
u = -0.115573 - 1.361180I		
a = -1.58752 - 0.07873I	-3.72991 + 2.68509I	0
b = 2.50751 - 0.05649I		
u = 0.001948 + 1.367560I		
a = -0.634661 - 1.006570I	-0.09493 - 3.07336I	0
b = 0.565920 + 0.136836I		
u = 0.001948 - 1.367560I		
a = -0.634661 + 1.006570I	-0.09493 + 3.07336I	0
b = 0.565920 - 0.136836I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.314984 + 0.538551I		
a = 0.411245 + 0.685565I	-0.56290 + 7.37137I	-3.06670 - 12.47022I
b = -1.51127 - 0.96772I		
u = 0.314984 - 0.538551I		
a = 0.411245 - 0.685565I	-0.56290 - 7.37137I	-3.06670 + 12.47022I
b = -1.51127 + 0.96772I		
u = -0.184310 + 1.363750I		
a = -1.44372 + 0.49130I	-3.12222 - 3.03364I	0
b = 2.33228 - 1.00507I		
u = -0.184310 - 1.363750I		
a = -1.44372 - 0.49130I	-3.12222 + 3.03364I	0
b = 2.33228 + 1.00507I		
u = 0.037332 + 1.388960I		
a = -0.202938 - 0.969776I	-0.46634 + 1.58117I	0
b = 0.46607 + 2.80907I		
u = 0.037332 - 1.388960I		
a = -0.202938 + 0.969776I	-0.46634 - 1.58117I	0
b = 0.46607 - 2.80907I		
u = -0.538277 + 0.262771I		
a = -0.50775 + 1.86121I	1.97803 - 0.38146I	5.59987 + 4.41528I
b = -0.204069 - 0.084432I		
u = -0.538277 - 0.262771I		
a = -0.50775 - 1.86121I	1.97803 + 0.38146I	5.59987 - 4.41528I
b = -0.204069 + 0.084432I		
u = 0.060103 + 1.402450I		
a = -2.24427 + 0.88372I	-1.05714 + 4.17647I	0
b = 2.67619 - 1.09906I		
u = 0.060103 - 1.402450I		
a = -2.24427 - 0.88372I	-1.05714 - 4.17647I	0
b = 2.67619 + 1.09906I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.424518 + 0.417116I		
a = -0.126083 + 0.185627I	1.37417 - 2.63932I	1.62166 + 6.27105I
b = -0.994890 + 0.501376I		
u = -0.424518 - 0.417116I		
a = -0.126083 - 0.185627I	1.37417 + 2.63932I	1.62166 - 6.27105I
b = -0.994890 - 0.501376I		
u = 0.230894 + 1.392570I		
a = 2.28908 + 0.15368I	-5.66371 + 6.89455I	0
b = -3.24032 + 0.31085I		
u = 0.230894 - 1.392570I		
a = 2.28908 - 0.15368I	-5.66371 - 6.89455I	0
b = -3.24032 - 0.31085I		
u = 0.02625 + 1.41853I		
a = 1.66091 + 1.08394I	-6.80026 - 0.18763I	0
b = -2.30521 - 0.97878I		
u = 0.02625 - 1.41853I		
a = 1.66091 - 1.08394I	-6.80026 + 0.18763I	0
b = -2.30521 + 0.97878I		
u = 0.08600 + 1.41972I		
a = 0.283142 + 0.341148I	-6.76026 + 4.33959I	0
b = -0.38647 - 1.70858I		
u = 0.08600 - 1.41972I		
a = 0.283142 - 0.341148I	-6.76026 - 4.33959I	0
b = -0.38647 + 1.70858I		
u = -0.14412 + 1.42704I		
a = -1.50627 + 0.96619I	-4.51801 - 4.72556I	0
b = 2.16922 - 0.64576I		
u = -0.14412 - 1.42704I		
a = -1.50627 - 0.96619I	-4.51801 + 4.72556I	0
b = 2.16922 + 0.64576I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.11819 + 1.43236I		
a = -0.445663 + 0.854091I	-4.84175 - 9.29715I	0
b = 0.91778 - 2.49354I		
u = -0.11819 - 1.43236I		
a = -0.445663 - 0.854091I	-4.84175 + 9.29715I	0
b = 0.91778 + 2.49354I		
u = -0.552765 + 0.014313I		
a = -0.551912 + 0.994139I	1.92935 - 6.33185I	7.17773 + 7.64906I
b = -1.33289 - 0.60978I		
u = -0.552765 - 0.014313I		
a = -0.551912 - 0.994139I	1.92935 + 6.33185I	7.17773 - 7.64906I
b = -1.33289 + 0.60978I		
u = -0.02545 + 1.44803I		
a = -0.857855 - 0.915020I	-7.80468 + 0.57106I	0
b = 1.379970 + 0.195468I		
u = -0.02545 - 1.44803I		
a = -0.857855 + 0.915020I	-7.80468 - 0.57106I	0
b = 1.379970 - 0.195468I		
u = 0.265503 + 0.474764I		
a = 0.044541 + 0.548942I	-1.19022 - 1.06033I	-1.73863 + 1.28370I
b = 0.493979 + 0.594564I		
u = 0.265503 - 0.474764I		
a = 0.044541 - 0.548942I	-1.19022 + 1.06033I	-1.73863 - 1.28370I
b = 0.493979 - 0.594564I		
u = 0.08657 + 1.45661I		
a = 1.79739 - 0.84767I	-7.94583 + 5.57874I	0
b = -2.52447 + 0.59620I		
u = 0.08657 - 1.45661I		
a = 1.79739 + 0.84767I	-7.94583 - 5.57874I	0
b = -2.52447 - 0.59620I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.28382 + 1.43940I		
a = -1.78343 + 0.10037I	-2.63550 - 4.32707I	0
b = 2.50470 + 0.23320I		
u = -0.28382 - 1.43940I		
a = -1.78343 - 0.10037I	-2.63550 + 4.32707I	0
b = 2.50470 - 0.23320I		
u = -0.32556 + 1.43576I		
a = 0.786718 - 0.659743I	-6.90278 - 1.49526I	0
b = -1.61784 + 0.97399I		
u = -0.32556 - 1.43576I		
a = 0.786718 + 0.659743I	-6.90278 + 1.49526I	0
b = -1.61784 - 0.97399I		
u = -0.19290 + 1.46908I		
a = 1.95452 - 0.08392I	-8.68740 - 8.37475I	0
b = -3.03246 - 0.75220I		
u = -0.19290 - 1.46908I		
a = 1.95452 + 0.08392I	-8.68740 + 8.37475I	0
b = -3.03246 + 0.75220I		
u = -0.492386 + 0.154953I		
a = -1.074880 + 0.699992I	1.040050 - 0.549467I	7.43364 + 2.00474I
b = -0.280796 - 0.145558I		
u = -0.492386 - 0.154953I		
a = -1.074880 - 0.699992I	1.040050 + 0.549467I	7.43364 - 2.00474I
b = -0.280796 + 0.145558I		
u = 0.23108 + 1.48576I		
a = 1.88952 - 0.11064I	-6.55064 + 7.81946I	0
b = -2.90807 + 0.43693I		
u = 0.23108 - 1.48576I		
a = 1.88952 + 0.11064I	-6.55064 - 7.81946I	0
b = -2.90807 - 0.43693I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.22737 + 1.49355I		
a = -1.69122 - 0.29947I	-10.78190 + 5.59014I	0
b = 3.00950 - 0.23740I		
u = 0.22737 - 1.49355I		
a = -1.69122 + 0.29947I	-10.78190 - 5.59014I	0
b = 3.00950 + 0.23740I		
u = 0.12929 + 1.51346I		
a = -1.47261 - 1.46945I	-7.32672 + 9.14085I	0
b = 1.90290 + 1.11091I		
u = 0.12929 - 1.51346I		
a = -1.47261 + 1.46945I	-7.32672 - 9.14085I	0
b = 1.90290 - 1.11091I		
u = -0.26396 + 1.52000I		
a = -1.78890 - 0.10389I	-3.90420 - 12.58760I	0
b = 2.87925 + 0.58891I		
u = -0.26396 - 1.52000I		
a = -1.78890 + 0.10389I	-3.90420 + 12.58760I	0
b = 2.87925 - 0.58891I		
u = 0.30619 + 1.51476I		
a = -1.104380 - 0.300115I	-10.02160 + 6.17791I	0
b = 2.02876 + 0.09939I		
u = 0.30619 - 1.51476I		
a = -1.104380 + 0.300115I	-10.02160 - 6.17791I	0
b = 2.02876 - 0.09939I		
u = -0.11442 + 1.55249I		
a = 1.63445 + 0.36014I	-10.77330 - 2.23854I	0
b = -2.66201 - 0.79590I		
u = -0.11442 - 1.55249I		
a = 1.63445 - 0.36014I	-10.77330 + 2.23854I	0
b = -2.66201 + 0.79590I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.31801 + 1.53267I $a = -1.80409 - 0.05058I$	-7.2738 + 19.6356I	0
b = 2.84291 - 0.42225I	1,2,00 20,0000	Ů
u = 0.31801 - 1.53267I		
a = -1.80409 + 0.05058I	-7.2738 - 19.6356I	0
b = 2.84291 + 0.42225I		
u = -0.340179 + 0.267909I		
a = 0.92686 + 4.13715I	0.73173 - 7.59496I	6.6801 + 14.7598I
b = 0.350396 - 0.479965I		
u = -0.340179 - 0.267909I		
a = 0.92686 - 4.13715I	0.73173 + 7.59496I	6.6801 - 14.7598I
b = 0.350396 + 0.479965I		
u = -0.31033 + 1.54831I		
a = 1.74043 - 0.02740I	-10.4891 - 12.9239I	0
b = -2.71337 - 0.30230I		
u = -0.31033 - 1.54831I		
a = 1.74043 + 0.02740I	-10.4891 + 12.9239I	0
b = -2.71337 + 0.30230I		
u = 0.18932 + 1.57314I		
a = -1.47951 + 0.14267I	-11.56050 + 6.53889I	0
b = 2.55432 - 0.66789I		
u = 0.18932 - 1.57314I		
a = -1.47951 - 0.14267I	-11.56050 - 6.53889I	0
b = 2.55432 + 0.66789I		
u = 0.43712 + 1.52509I		
a = 0.431883 + 0.353741I	-4.61601 + 2.57585I	0
b = -0.880671 - 0.091812I		
u = 0.43712 - 1.52509I		
a = 0.431883 - 0.353741I	-4.61601 - 2.57585I	0
b = -0.880671 + 0.091812I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.218003 + 0.343210I		
a = 1.79163 + 1.71915I	-2.02235 + 4.35269I	-5.29583 - 7.76813I
b = 0.294126 - 1.004280I		
u = 0.218003 - 0.343210I		
a = 1.79163 - 1.71915I	-2.02235 - 4.35269I	-5.29583 + 7.76813I
b = 0.294126 + 1.004280I		
u = 0.25378 + 1.57679I		
a = -1.64001 + 0.07609I	-3.33192 + 7.07748I	0
b = 2.32855 - 0.32581I		
u = 0.25378 - 1.57679I		
a = -1.64001 - 0.07609I	-3.33192 - 7.07748I	0
b = 2.32855 + 0.32581I		
u = -0.36055 + 1.55612I		
a = 0.926293 - 0.076577I	-6.53626 - 10.66010I	0
b = -1.56139 - 0.28853I		
u = -0.36055 - 1.55612I		
a = 0.926293 + 0.076577I	-6.53626 + 10.66010I	0
b = -1.56139 + 0.28853I		
u = 0.340672 + 0.177792I		
a = -2.03903 + 2.59056I	-1.50489 + 2.93196I	2.99677 - 7.01707I
b = -0.069538 - 0.656597I		
u = 0.340672 - 0.177792I		
a = -2.03903 - 2.59056I	-1.50489 - 2.93196I	2.99677 + 7.01707I
b = -0.069538 + 0.656597I		
u = -0.23493 + 1.61887I		
a = -0.663396 + 0.127693I	-4.12564 - 0.03704I	0
b = 1.227330 + 0.158733I		
u = -0.23493 - 1.61887I		
a = -0.663396 - 0.127693I	-4.12564 + 0.03704I	0
b = 1.227330 - 0.158733I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.01307 + 1.63907I		
a = 2.30072 - 0.44773I	-11.69300 - 0.79290I	0
b = -2.75483 + 0.37032I		
u = 0.01307 - 1.63907I		
a = 2.30072 + 0.44773I	-11.69300 + 0.79290I	0
b = -2.75483 - 0.37032I		
u = -0.16494 + 1.63396I		
a = 1.346350 - 0.410304I	-12.55620 - 1.07655I	0
b = -1.96191 + 0.28987I		
u = -0.16494 - 1.63396I		
a = 1.346350 + 0.410304I	-12.55620 + 1.07655I	0
b = -1.96191 - 0.28987I		
u = 0.15328 + 1.64996I		
a = -1.058120 - 0.378769I	-9.68133 - 5.83768I	0
b = 1.73895 + 0.34299I		
u = 0.15328 - 1.64996I		
a = -1.058120 + 0.378769I	-9.68133 + 5.83768I	0
b = 1.73895 - 0.34299I		
u = 0.119912 + 0.155928I		
a = -2.47635 + 1.11465I	4.12384 + 3.28383I	16.8921 + 6.2759I
b = -0.89605 + 1.13124I		
u = 0.119912 - 0.155928I		
a = -2.47635 - 1.11465I	4.12384 - 3.28383I	16.8921 - 6.2759I
b = -0.89605 - 1.13124I		
u = 0.175566 + 0.025621I		
a = 9.92478 + 2.46534I	4.18707 - 0.94466I	27.0614 + 1.9119I
b = 0.199847 - 0.442604I		
u = 0.175566 - 0.025621I		
a = 9.92478 - 2.46534I	4.18707 + 0.94466I	27.0614 - 1.9119I
b = 0.199847 + 0.442604I		

Solutions to I_1^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.010212 + 0.164492I		
a = -4.26471 + 3.76365I	-2.25214 + 0.78070I	-2.04391 - 5.83531I
b = 0.090393 - 1.315380I		
u = 0.010212 - 0.164492I		
a = -4.26471 - 3.76365I	-2.25214 - 0.78070I	-2.04391 + 5.83531I
b = 0.090393 + 1.315380I		

II.
$$I_2^u = \langle 2.31 \times 10^{13} u^{41} - 7.92 \times 10^{11} u^{40} + \dots + 7.86 \times 10^{11} b - 1.06 \times 10^{12}, \ -6.14 \times 10^{13} u^{41} - 6.38 \times 10^{13} u^{40} + \dots + 3.93 \times 10^{12} a - 8.02 \times 10^{13}, \ u^{42} + 23 u^{40} + \dots + 26 u^2 + 1 \rangle$$

(i) Arc colorings

$$a_{11} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{1} = \begin{pmatrix} 15.6192u^{41} + 16.2455u^{40} + \dots - 47.7102u + 20.4175 \\ -29.4427u^{41} + 1.00776u^{40} + \dots - 19.6900u + 1.34573 \end{pmatrix}$$

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

$$a_{2} = \begin{pmatrix} 10.9487u^{41} - 10.6897u^{40} + \dots - 43.6395u + 2.82633 \\ -21.3908u^{41} + 45.2751u^{40} + \dots - 15.0194u + 28.2809 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

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

$$a_{9} = \begin{pmatrix} 1.63053u^{41} + 0.627881u^{40} + \dots + 129.162u + 11.4087 \\ 3.66978u^{41} + 13.5200u^{40} + \dots - 5.27254u + 3.61399 \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} -10.3342u^{41} - 3.09895u^{40} + \dots - 50.4279u + 43.4124 \\ 2.70720u^{41} - 16.2755u^{40} + \dots + 11.2746u - 12.3321 \end{pmatrix}$$

$$a_{8} = \begin{pmatrix} 7.06947u^{41} + 8.15144u^{40} + \dots + 34.0855u - 0.616606 \\ -47.6337u^{41} + 4.81822u^{40} + \dots - 22.5279u + 5.80141 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 7.49855u^{41} + 0.306910u^{40} + \dots - 54.5927u + 13.2781 \\ -8.57309u^{41} + 39.9932u^{40} + \dots - 6.94100u + 24.3927 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} 28.0565u^{41} - 10.8251u^{40} + \dots + 166.570u - 23.6621 \\ -43.2211u^{41} + 10.6470u^{40} + \dots - 19.2851u + 10.3383 \end{pmatrix}$$

(ii) Obstruction class = 1

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
c_1	$u^{42} - 4u^{41} + \dots - u + 1$
c_2	$u^{42} + 2u^{41} + \dots - 2u + 1$
c_3	$u^{42} + 3u^{41} + \dots + 14u^2 + 1$
c_4, c_5	$u^{42} + 23u^{40} + \dots + 26u^2 + 1$
c_6	$u^{42} - 2u^{41} + \dots + 2u + 1$
c_7	$u^{42} - 4u^{41} + \dots - 2u + 1$
<i>C</i> ₈	$u^{42} - u^{40} + \dots - 69u + 7$
<i>c</i> 9	$u^{42} - 2u^{41} + \dots - 2u + 1$
c_{10}	$u^{42} + 23u^{40} + \dots + 26u^2 + 1$
c_{11}	$u^{42} + 4u^{41} + \dots + 2u + 1$
c_{12}	$u^{42} + u^{40} + \dots + 178u + 29$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
c_1	$y^{42} - 22y^{41} + \dots + 3y + 1$
c_2, c_6	$y^{42} + 26y^{41} + \dots + 38y + 1$
<i>c</i> ₃	$y^{42} - 3y^{41} + \dots + 28y + 1$
c_4, c_5, c_{10}	$y^{42} + 46y^{41} + \dots + 52y + 1$
c_7, c_{11}	$y^{42} + 22y^{41} + \dots + 40y + 1$
c_8	$y^{42} - 2y^{41} + \dots - 1667y + 49$
<i>c</i> ₉	$y^{42} - 10y^{41} + \dots + 10y + 1$
c_{12}	$y^{42} + 2y^{41} + \dots - 37136y + 841$

(vi) Complex Volumes and Cusp Shapes

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.935015 + 0.465202I		
a = 0.115614 + 0.136661I	0.21293 - 5.19650I	0
b = 0.320022 - 0.356603I		
u = -0.935015 - 0.465202I		
a = 0.115614 - 0.136661I	0.21293 + 5.19650I	0
b = 0.320022 + 0.356603I		
u = 0.771341 + 0.782004I		
a = -0.026030 + 0.497950I	4.40215 + 2.91947I	0
b = 0.349444 - 0.411143I		
u = 0.771341 - 0.782004I		
a = -0.026030 - 0.497950I	4.40215 - 2.91947I	0
b = 0.349444 + 0.411143I		
u = -0.108321 + 1.107080I		
a = -0.090588 + 0.733855I	-3.15399 + 1.89664I	0
b = -0.328593 + 0.158640I		
u = -0.108321 - 1.107080I		
a = -0.090588 - 0.733855I	-3.15399 - 1.89664I	0
b = -0.328593 - 0.158640I		
u = 0.592481 + 0.653798I		
a = -0.902488 + 0.113630I	-3.66950 + 2.80930I	1.88360 - 2.35805I
b = -0.482784 - 0.296539I		
u = 0.592481 - 0.653798I		
a = -0.902488 - 0.113630I	-3.66950 - 2.80930I	1.88360 + 2.35805I
b = -0.482784 + 0.296539I		
u = -0.349342 + 0.709873I		
a = 0.692030 + 0.789837I	-2.66470 + 1.94037I	-2.85084 - 4.39177I
b = -0.854993 + 0.014237I		
u = -0.349342 - 0.709873I		
a = 0.692030 - 0.789837I	-2.66470 - 1.94037I	-2.85084 + 4.39177I
b = -0.854993 - 0.014237I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.115958 + 1.230030I		
a = -1.113570 + 0.783199I	-4.55864 - 3.39138I	0
b = 1.24627 - 1.59867I		
u = -0.115958 - 1.230030I		
a = -1.113570 - 0.783199I	-4.55864 + 3.39138I	0
b = 1.24627 + 1.59867I		
u = 0.347078 + 0.660872I		
a = 0.319103 + 0.415281I	-2.66609 + 0.11927I	-3.66928 - 0.85360I
b = -0.817409 - 1.037710I		
u = 0.347078 - 0.660872I		
a = 0.319103 - 0.415281I	-2.66609 - 0.11927I	-3.66928 + 0.85360I
b = -0.817409 + 1.037710I		
u = 0.025342 + 1.283740I		
a = 0.82018 + 1.25199I	0.74966 - 2.90451I	0
b = -0.720513 - 0.417969I		
u = 0.025342 - 1.283740I		
a = 0.82018 - 1.25199I	0.74966 + 2.90451I	0
b = -0.720513 + 0.417969I		
u = 0.044937 + 1.298130I		
a = 2.40556 + 0.77309I	-2.75956 + 7.26572I	0
b = -3.15938 - 1.42777I		
u = 0.044937 - 1.298130I		
a = 2.40556 - 0.77309I	-2.75956 - 7.26572I	0
b = -3.15938 + 1.42777I		
u = 0.000361 + 1.321850I		
a = 0.795975 - 1.125190I	0.313348 - 0.976815I	0
b = -1.20695 + 2.78665I		
u = 0.000361 - 1.321850I		
a = 0.795975 + 1.125190I	0.313348 + 0.976815I	0
b = -1.20695 - 2.78665I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.387652 + 1.337110I		
a = 0.340284 + 0.622325I	-4.31023 + 2.76338I	0
b = -0.928475 - 0.324657I		
u = 0.387652 - 1.337110I		
a = 0.340284 - 0.622325I	-4.31023 - 2.76338I	0
b = -0.928475 + 0.324657I		
u = -0.210164 + 1.383040I		
a = -2.35128 + 0.08957I	-5.44686 - 7.42912I	0
b = 3.36733 + 0.32066I		
u = -0.210164 - 1.383040I		
a = -2.35128 - 0.08957I	-5.44686 + 7.42912I	0
b = 3.36733 - 0.32066I		
u = -0.572535 + 0.163270I		
a = -0.92308 + 1.57770I	-0.47081 - 4.61351I	2.78514 + 10.91680I
b = -0.823254 - 0.347001I		
u = -0.572535 - 0.163270I		
a = -0.92308 - 1.57770I	-0.47081 + 4.61351I	2.78514 - 10.91680I
b = -0.823254 + 0.347001I		
u = 0.20693 + 1.47466I		
a = 2.00546 - 0.10822I	-2.60937 + 5.63813I	0
b = -2.59345 + 0.36187I		
u = 0.20693 - 1.47466I		
a = 2.00546 + 0.10822I	-2.60937 - 5.63813I	0
b = -2.59345 - 0.36187I		
u = -0.15915 + 1.50804I		
a = 1.010670 - 0.397754I	-6.75553 - 8.30096I	0
b = -1.39829 - 0.26811I		
u = -0.15915 - 1.50804I		
a = 1.010670 + 0.397754I	-6.75553 + 8.30096I	0
b = -1.39829 + 0.26811I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.21652 + 1.50524I		
a = -1.66092 - 0.10940I	-10.49650 + 5.82710I	0
b = 2.94978 - 0.49926I		
u = 0.21652 - 1.50524I		
a = -1.66092 + 0.10940I	-10.49650 - 5.82710I	0
b = 2.94978 + 0.49926I		
u = -0.33537 + 1.50022I		
a = -0.573970 + 0.350488I	-3.84925 - 0.42432I	0
b = 1.185250 - 0.252318I		
u = -0.33537 - 1.50022I		
a = -0.573970 - 0.350488I	-3.84925 + 0.42432I	0
b = 1.185250 + 0.252318I		
u = 0.180136 + 0.404802I		
a = 0.378500 - 0.058856I	3.90096 + 3.42102I	-9.67445 - 9.04128I
b = 0.844088 - 1.097650I		
u = 0.180136 - 0.404802I		
a = 0.378500 + 0.058856I	3.90096 - 3.42102I	-9.67445 + 9.04128I
b = 0.844088 + 1.097650I		
u = 0.033288 + 0.418528I		
a = -2.27110 + 1.88742I	0.45843 - 6.85842I	2.68810 + 5.24695I
b = 1.142650 - 0.260930I		
u = 0.033288 - 0.418528I		
a = -2.27110 - 1.88742I	0.45843 + 6.85842I	2.68810 - 5.24695I
b = 1.142650 + 0.260930I		
u = -0.01678 + 1.65584I		
a = -2.19647 - 0.32527I	-11.59210 + 0.83440I	0
b = 2.64227 + 0.24069I		
u = -0.01678 - 1.65584I		
a = -2.19647 + 0.32527I	-11.59210 - 0.83440I	0
b = 2.64227 - 0.24069I		

Solutions to I_2^u	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.003438 + 0.292839I		
a = -1.77389 - 5.30385I	3.97276 + 0.97275I	-10.60321 - 7.45587I
b = 0.266969 - 0.128098I		
u = -0.003438 - 0.292839I		
a = -1.77389 + 5.30385I	3.97276 - 0.97275I	-10.60321 + 7.45587I
b = 0.266969 + 0.128098I		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
c_1	$ (u^{42} - 4u^{41} + \dots - u + 1)(u^{152} - 11u^{151} + \dots + 18140u + 5351) $
c_2	$(u^{42} + 2u^{41} + \dots - 2u + 1)(u^{152} - u^{151} + \dots + 4353u + 1651)$
c_3	$(u^{42} + 3u^{41} + \dots + 14u^2 + 1)(u^{152} - 2u^{151} + \dots + 87u + 7)$
c_4, c_5	$(u^{42} + 23u^{40} + \dots + 26u^2 + 1)(u^{152} + u^{151} + \dots + 61u + 3)$
<i>C</i> ₆	$(u^{42} - 2u^{41} + \dots + 2u + 1)(u^{152} - u^{151} + \dots + 4353u + 1651)$
C ₇	$(u^{42} - 4u^{41} + \dots - 2u + 1)(u^{152} + 3u^{151} + \dots + 61152u + 8128)$
C ₈	$(u^{42} - u^{40} + \dots - 69u + 7)(u^{152} - u^{151} + \dots + 57030u + 6997)$
<i>c</i> ₉	$(u^{42} - 2u^{41} + \dots - 2u + 1)$ $\cdot (u^{152} - 5u^{151} + \dots + 176391091u + 46936013)$
c_{10}	$(u^{42} + 23u^{40} + \dots + 26u^2 + 1)(u^{152} + u^{151} + \dots + 61u + 3)$
c_{11}	$(u^{42} + 4u^{41} + \dots + 2u + 1)(u^{152} + 3u^{151} + \dots + 61152u + 8128)$
c_{12}	$(u^{42} + u^{40} + \dots + 178u + 29)$ $\cdot (u^{152} + u^{151} + \dots - 347000939u + 62972897)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing	
c_1	$(y^{42} - 22y^{41} + \dots + 3y + 1)$ $\cdot (y^{152} - 33y^{151} + \dots - 1604598874y + 28633201)$	
c_2, c_6	$(y^{42} + 26y^{41} + \dots + 38y + 1)$ $\cdot (y^{152} + 83y^{151} + \dots + 110545925y + 2725801)$	
c_3	$(y^{42} - 3y^{41} + \dots + 28y + 1)(y^{152} - 10y^{151} + \dots + 3323y + 49)$	
c_4, c_5, c_{10}	$(y^{42} + 46y^{41} + \dots + 52y + 1)(y^{152} + 155y^{151} + \dots + 275y + 9)$	
c_7, c_{11}	$(y^{42} + 22y^{41} + \dots + 40y + 1)$ $\cdot (y^{152} + 87y^{151} + \dots + 2765433856y + 66064384)$	
c ₈	$(y^{42} - 2y^{41} + \dots - 1667y + 49)$ $\cdot (y^{152} + 3y^{151} + \dots + 3614155020y + 48958009)$	
<i>c</i> 9	$(y^{42} - 10y^{41} + \dots + 10y + 1)$ $\cdot (y^{152} + 31y^{151} + \dots + 104404411598711997y + 2202989316336169)$	
c_{12}	$(y^{42} + 2y^{41} + \dots - 37136y + 841)$ $\cdot (y^{152} + 47y^{151} + \dots + 710392624054179195y + 3965585756572609)$	