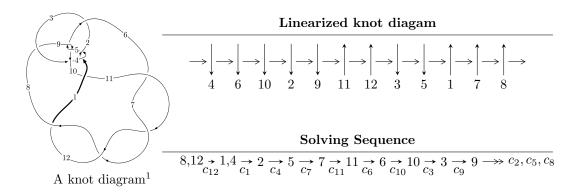
# $12a_{0944} \ (K12a_{0944})$



#### Ideals for irreducible components<sup>2</sup> of $X_{par}$

$$\begin{split} I_1^u &= \langle -5.89366 \times 10^{43} u^{82} - 4.02871 \times 10^{43} u^{81} + \dots + 5.84962 \times 10^{43} b - 9.28047 \times 10^{43}, \\ &- 4.02033 \times 10^{43} u^{82} - 6.96508 \times 10^{43} u^{81} + \dots + 5.84962 \times 10^{43} a + 9.14712 \times 10^{42}, \ u^{83} + 2u^{82} + \dots + 2u - 12^u = \langle 2b - 3, \ 2a + 1, \ u - 1 \rangle \end{split}$$

\* 2 irreducible components of  $\dim_{\mathbb{C}} = 0$ , with total 84 representations.

<sup>&</sup>lt;sup>1</sup>The 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).

<sup>&</sup>lt;sup>2</sup> All coefficients of polynomials are rational numbers. But the coefficients are sometimes approximated in decimal forms when there is not enough margin.

 $I. \\ I_1^u = \langle -5.89 \times 10^{43} u^{82} - 4.03 \times 10^{43} u^{81} + \dots + 5.85 \times 10^{43} b - 9.28 \times 10^{43}, \ -4.02 \times 10^{43} u^{82} - 6.97 \times 10^{43} u^{81} + \dots + 5.85 \times 10^{43} a + 9.15 \times 10^{42}, \ u^{83} + 2u^{82} + \dots + 2u + 1 \rangle$ 

(i) Arc colorings

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

$$a_{12} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

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

$$a_{4} = \begin{pmatrix} 0.687280u^{82} + 1.19069u^{81} + \dots - 4.55423u - 0.156371 \\ 1.00753u^{82} + 0.688714u^{81} + \dots + 2.17242u + 1.58651 \end{pmatrix}$$

$$a_{2} = \begin{pmatrix} 0.595958u^{82} + 0.451262u^{81} + \dots - 3.44105u + 1.45422 \\ 0.130801u^{82} + 0.302832u^{81} + \dots + 0.730664u + 0.811722 \end{pmatrix}$$

$$a_{5} = \begin{pmatrix} 0.485737u^{82} + 1.80641u^{81} + \dots - 1.46200u - 1.94018 \\ 1.01774u^{82} + 0.0762026u^{81} + \dots + 2.45408u + 1.22439 \end{pmatrix}$$

$$a_{7} = \begin{pmatrix} -u \\ u \end{pmatrix}$$

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

$$a_{6} = \begin{pmatrix} u^{3} - 2u \\ -u^{3} + u \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} u^{4} - 3u^{2} + 1 \\ -u^{6} + 2u^{4} + u^{2} \end{pmatrix}$$

$$a_{3} = \begin{pmatrix} 1.78385u^{82} + 1.83521u^{81} + \dots + 0.575560u + 2.07556 \\ 1.78385u^{82} + 1.83521u^{81} + \dots + 0.274886u + 1.23971 \end{pmatrix}$$

$$a_{9} = \begin{pmatrix} 0.389463u^{82} + 0.804666u^{81} + \dots - 2.31500u + 0.480446 \\ 0.263809u^{82} - 0.0637110u^{81} + \dots - 2.47071u - 0.459997 \end{pmatrix}$$

- (ii) Obstruction class = -1
- (iii) Cusp Shapes =  $0.357481u^{82} 3.48793u^{81} + \cdots + 11.5669u 5.41910$

#### (iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1, c_4$	$u^{83} - 2u^{82} + \dots - 35u + 4$
$c_2$	$2(2u^{83} - 13u^{82} + \dots + 3u + 1)$
$c_3$	$2(2u^{83} - 11u^{82} + \dots + 4480u + 352)$
$c_5, c_9$	$u^{83} + 2u^{82} + \dots + 4u + 1$
$c_6, c_7, c_{11} \\ c_{12}$	$u^{83} + 2u^{82} + \dots + 2u + 1$
c <sub>8</sub>	$u^{83} + u^{82} + \dots - 2u + 8$
$c_{10}$	$u^{83} + 16u^{82} + \dots - 11522u - 2671$

#### (v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1, c_4$	$y^{83} - 52y^{82} + \dots - 479y - 16$
$c_2$	$4(4y^{83} + 523y^{82} + \dots - 117y - 1)$
$c_3$	$4(4y^{83} - 517y^{82} + \dots + 6829568y - 123904)$
$c_5, c_9$	$y^{83} + 48y^{82} + \dots + 12y - 1$
$c_6, c_7, c_{11}$ $c_{12}$	$y^{83} - 92y^{82} + \dots + 12y - 1$
<i>c</i> <sub>8</sub>	$y^{83} + 9y^{82} + \dots + 2164y - 64$
$c_{10}$	$y^{83} + 28y^{82} + \dots + 65725068y - 7134241$

## (vi) Complex Volumes and Cusp Shapes

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.011980 + 0.179958I		
a = 0.609871 - 0.498601I	3.08858 - 7.00447I	0
b = -1.54206 + 0.26964I		
u = -1.011980 - 0.179958I		
a = 0.609871 + 0.498601I	3.08858 + 7.00447I	0
b = -1.54206 - 0.26964I		
u = 0.808275 + 0.494108I		
a = 0.668900 + 0.762033I	1.080250 + 0.304022I	0
b = -0.506716 - 0.978105I		
u = 0.808275 - 0.494108I		
a = 0.668900 - 0.762033I	1.080250 - 0.304022I	0
b = -0.506716 + 0.978105I		
u = -0.651779 + 0.604556I		
a = 1.96345 - 1.28262I	-4.75200 - 7.90588I	0
b = -0.373780 + 1.237280I		
u = -0.651779 - 0.604556I		
a = 1.96345 + 1.28262I	-4.75200 + 7.90588I	0
b = -0.373780 - 1.237280I		
u = 0.651416 + 0.587957I		
a = 2.25811 + 1.40134I	-1.07019 + 13.90660I	0
b = -0.455813 - 1.238970I		
u = 0.651416 - 0.587957I		
a = 2.25811 - 1.40134I	-1.07019 - 13.90660I	0
b = -0.455813 + 1.238970I		
u = 0.549669 + 0.652540I		
a = 1.77757 + 0.60916I	1.14584 + 2.23192I	0
b = -0.166242 - 1.069510I		
u = 0.549669 - 0.652540I		
a = 1.77757 - 0.60916I	1.14584 - 2.23192I	0
b = -0.166242 + 1.069510I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.621208 + 0.516711I		
a = -1.122620 + 0.653975I	2.87214 + 7.55799I	0 9.17056I
b = 0.442519 - 0.591802I		
u = 0.621208 - 0.516711I		
a = -1.122620 - 0.653975I	2.87214 - 7.55799I	0. + 9.17056I
b = 0.442519 + 0.591802I		
u = -0.794140 + 0.067445I		
a = 0.828496 - 0.746859I	5.68714 + 2.25774I	7.48178 - 1.40093I
b = -0.754413 - 0.297712I		
u = -0.794140 - 0.067445I		
a = 0.828496 + 0.746859I	5.68714 - 2.25774I	7.48178 + 1.40093I
b = -0.754413 + 0.297712I		
u = -0.603519 + 0.480975I		
a = -0.693273 + 0.188096I	-0.49436 - 3.88362I	-2.00000 + 7.10699I
b = 0.158367 + 0.299299I		
u = -0.603519 - 0.480975I		
a = -0.693273 - 0.188096I	-0.49436 + 3.88362I	-2.00000 - 7.10699I
b = 0.158367 - 0.299299I		
u = -0.311368 + 0.686203I		
a = 2.05458 - 0.49843I	-5.76402 + 3.56956I	-7.33230 - 3.19643I
b = -0.259155 + 0.996903I		
u = -0.311368 - 0.686203I		
a = 2.05458 + 0.49843I	-5.76402 - 3.56956I	-7.33230 + 3.19643I
b = -0.259155 - 0.996903I		
u = -0.540900 + 0.513654I		
a = -2.36141 + 1.14016I	-2.34688 - 5.23319I	-4.54446 + 9.84503I
b = 0.686576 - 0.514783I		
u = -0.540900 - 0.513654I		
a = -2.36141 - 1.14016I	-2.34688 + 5.23319I	-4.54446 - 9.84503I
b = 0.686576 + 0.514783I		

	Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u =	0.302357 + 0.661044I		
a =	2.15568 + 0.69658I	-2.10269 - 9.69142I	-3.57256 + 4.73391I
b =	-0.305424 - 1.170910I		
u =	0.302357 - 0.661044I		
a =	2.15568 - 0.69658I	-2.10269 + 9.69142I	-3.57256 - 4.73391I
b =	-0.305424 + 1.170910I		
u =	0.176369 + 0.694417I		
a =	1.79640 - 0.14808I	-0.84399 + 3.83418I	-2.64069 - 10.16954I
b =	-0.244225 - 0.252132I		
u =	0.176369 - 0.694417I		
a =	1.79640 + 0.14808I	-0.84399 - 3.83418I	-2.64069 + 10.16954I
b =	-0.244225 + 0.252132I		
u =	0.659821 + 0.267940I		
a =	0.761044 + 0.351679I	1.22968 + 0.74629I	5.11191 - 1.69537I
b =	-0.382761 - 0.240353I		
u =	0.659821 - 0.267940I		
a =	0.761044 - 0.351679I	1.22968 - 0.74629I	5.11191 + 1.69537I
b =	-0.382761 + 0.240353I		
$\overline{u} =$	0.501968 + 0.498745I		
a =	-2.65030 - 1.61037I	-3.50723 + 1.89136I	-6.82387 - 2.66530I
b =	0.629147 + 1.068660I		
u =	0.501968 - 0.498745I		
a =	-2.65030 + 1.61037I	-3.50723 - 1.89136I	-6.82387 + 2.66530I
b =	0.629147 - 1.068660I		
u =	1.289970 + 0.207695I		
a =	0.815121 + 0.281289I	-0.716216 - 0.352949I	0
b =	-2.32584 - 1.05852I		
u =	1.289970 - 0.207695I		
a =	0.815121 - 0.281289I	-0.716216 + 0.352949I	0
b =	-2.32584 + 1.05852I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.305710 + 0.116254I		
a = 0.821552 - 0.148933I	2.88394 + 6.80535I	0
b = -2.60864 + 0.95083I		
u = -1.305710 - 0.116254I		
a = 0.821552 + 0.148933I	2.88394 - 6.80535I	0
b = -2.60864 - 0.95083I		
u = 0.465968 + 0.499477I		
a = -2.48917 - 1.39113I	-3.61323 + 1.60159I	-7.16367 - 5.67884I
b = 0.76305 + 1.24356I		
u = 0.465968 - 0.499477I		
a = -2.48917 + 1.39113I	-3.61323 - 1.60159I	-7.16367 + 5.67884I
b = 0.76305 - 1.24356I		
u = -0.533295 + 0.405202I		
a = 3.22952 + 9.36950I	-0.168100 - 1.376260I	-60.2145 + 47.3401I
b = -3.45923 + 0.25484I		
u = -0.533295 - 0.405202I		
a = 3.22952 - 9.36950I	-0.168100 + 1.376260I	-60.2145 - 47.3401I
b = -3.45923 - 0.25484I		
u = -0.413981 + 0.510073I		
a = -1.43503 + 1.37204I	-2.71843 + 1.65955I	-6.37148 - 1.99257I
b = 0.607418 - 1.178460I		
u = -0.413981 - 0.510073I		
a = -1.43503 - 1.37204I	-2.71843 - 1.65955I	-6.37148 + 1.99257I
b = 0.607418 + 1.178460I		
u = 0.411973 + 0.454512I		
a = 1.168770 + 0.361760I	1.38976 + 1.62588I	0.70067 - 4.03519I
b = 0.160378 - 0.591800I		
u = 0.411973 - 0.454512I		
a = 1.168770 - 0.361760I	1.38976 - 1.62588I	0.70067 + 4.03519I
b = 0.160378 + 0.591800I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 0.288666 + 0.539586I		
a = 0.86073 - 1.17268I	1.92020 - 3.90128I	-1.03104 + 3.05326I
b = -0.218842 + 0.593876I		
u = 0.288666 - 0.539586I		
a = 0.86073 + 1.17268I	1.92020 + 3.90128I	-1.03104 - 3.05326I
b = -0.218842 - 0.593876I		
u = 0.547852 + 0.128586I		
a = 1.91306 - 0.32470I	1.05027 + 2.14204I	3.95885 - 3.96047I
b = 0.175410 - 0.576033I		
u = 0.547852 - 0.128586I		
a = 1.91306 + 0.32470I	1.05027 - 2.14204I	3.95885 + 3.96047I
b = 0.175410 + 0.576033I		
u = -0.315876 + 0.453421I		
a = 0.296378 + 0.378985I	-1.32179 + 0.54535I	-6.25461 - 0.32765I
b = 0.274103 - 0.402505I		
u = -0.315876 - 0.453421I		
a = 0.296378 - 0.378985I	-1.32179 - 0.54535I	-6.25461 + 0.32765I
b = 0.274103 + 0.402505I		
u = -1.49785 + 0.04527I		
a = 0.737149 - 0.181176I	7.43791 + 2.40793I	0
b = -1.256150 - 0.488763I		
u = -1.49785 - 0.04527I		
a = 0.737149 + 0.181176I	7.43791 - 2.40793I	0
b = -1.256150 + 0.488763I		
u = 1.50844 + 0.10984I		
a = -0.366290 - 0.424061I	3.62477 + 0.37465I	0
b = 2.14759 + 1.67044I		
u = 1.50844 - 0.10984I		
a = -0.366290 + 0.424061I	3.62477 - 0.37465I	0
b = 2.14759 - 1.67044I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.51764 + 0.07703I		
a = 0.309031 + 0.420314I	4.86678 + 0.90172I	0
b = 0.118516 - 0.411587I		
u = 1.51764 - 0.07703I		
a = 0.309031 - 0.420314I	4.86678 - 0.90172I	0
b = 0.118516 + 0.411587I		
u = -1.52317 + 0.12412I		
a = -1.002440 + 0.955249I	3.00779 - 3.73916I	0
b = 3.54266 - 2.61988I		
u = -1.52317 - 0.12412I		
a = -1.002440 - 0.955249I	3.00779 + 3.73916I	0
b = 3.54266 + 2.61988I		
u = -1.53604 + 0.13173I		
a = -1.14572 + 1.42417I	3.30531 - 4.09518I	0
b = 3.52474 - 3.40314I		
u = -1.53604 - 0.13173I		
a = -1.14572 - 1.42417I	3.30531 + 4.09518I	0
b = 3.52474 + 3.40314I		
u = -1.54259 + 0.07842I		
a = 1.25091 - 0.75446I	7.91717 - 3.07456I	0
b = -2.33633 + 2.11548I		
u = -1.54259 - 0.07842I		
a = 1.25091 + 0.75446I	7.91717 + 3.07456I	0
b = -2.33633 - 2.11548I		
u = 1.54528 + 0.14306I		
a = -1.00062 - 1.36700I	4.62683 + 7.57614I	0
b = 2.99004 + 2.73171I		
u = 1.54528 - 0.14306I		
a = -1.00062 + 1.36700I	4.62683 - 7.57614I	0
b = 2.99004 - 2.73171I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.55353 + 0.11383I		
a = -0.62588 - 6.02561I	6.89620 + 3.23942I	0
b = 0.3272 + 14.6513I		
u = 1.55353 - 0.11383I		
a = -0.62588 + 6.02561I	6.89620 - 3.23942I	0
b = 0.3272 - 14.6513I		
u = -1.55820 + 0.19721I		
a = 1.143280 - 0.793518I	8.17592 - 5.31400I	0
b = -3.16223 + 2.29837I		
u = -1.55820 - 0.19721I		
a = 1.143280 + 0.793518I	8.17592 + 5.31400I	0
b = -3.16223 - 2.29837I		
u = 1.57099 + 0.13986I		
a = -0.404004 - 0.556034I	6.83837 + 6.14929I	0
b = 0.836754 + 0.686893I		
u = 1.57099 - 0.13986I		
a = -0.404004 + 0.556034I	6.83837 - 6.14929I	0
b = 0.836754 - 0.686893I		
u = -1.57388 + 0.15206I		
a = -0.843712 + 0.254247I	10.2522 - 10.0098I	0
b = 1.77781 + 0.28661I		
u = -1.57388 - 0.15206I		
a = -0.843712 - 0.254247I	10.2522 + 10.0098I	0
b = 1.77781 - 0.28661I		
u = 1.58337 + 0.18572I		
a = 1.01285 + 1.28924I	2.72408 + 10.83480I	0
b = -3.02981 - 3.33050I		
u = 1.58337 - 0.18572I		
a = 1.01285 - 1.28924I	2.72408 - 10.83480I	0
b = -3.02981 + 3.33050I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -1.58408 + 0.17957I		
a = 1.15293 - 1.49962I	6.4197 - 16.7505I	0
b = -3.36712 + 3.72673I		
u = -1.58408 - 0.17957I		
a = 1.15293 + 1.49962I	6.4197 + 16.7505I	0
b = -3.36712 - 3.72673I		
u = 1.60360 + 0.01774I		
a = 0.453485 + 0.946776I	13.83160 - 1.94519I	0
b = -1.62552 - 1.50801I		
u = 1.60360 - 0.01774I		
a = 0.453485 - 0.946776I	13.83160 + 1.94519I	0
b = -1.62552 + 1.50801I		
u = -1.60301 + 0.12387I		
a = 0.125633 - 0.183458I	9.21058 - 2.41580I	0
b = -0.769235 + 0.803186I		
u = -1.60301 - 0.12387I		
a = 0.125633 + 0.183458I	9.21058 + 2.41580I	0
b = -0.769235 - 0.803186I		
u = -1.61558 + 0.05199I		
a = 0.324769 - 0.551870I	9.23692 - 1.94054I	0
b = -1.36648 + 1.04218I		
u = -1.61558 - 0.05199I		
a = 0.324769 + 0.551870I	9.23692 + 1.94054I	0
b = -1.36648 - 1.04218I		
u = 1.63808 + 0.02486I		
a = -0.038093 + 0.657170I	12.0271 + 7.5660I	0
b = -0.91055 - 1.15054I		
u = 1.63808 - 0.02486I		
a = -0.038093 - 0.657170I	12.0271 - 7.5660I	0
b = -0.91055 + 1.15054I		

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = -0.323079		
a = 1.36070	-1.16036	-10.6000
b = 0.686867		
u = -0.117959 + 0.274951I		
a = 0.758936 - 0.289574I	-0.892197 - 0.937335I	-1.14664 - 2.00945I
b = 1.170840 + 0.220885I		
u = -0.117959 - 0.274951I		
a = 0.758936 + 0.289574I	-0.892197 + 0.937335I	-1.14664 + 2.00945I
b = 1.170840 - 0.220885I		

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

(i) Arc colorings

$$a_8 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

$$a_{12} = \begin{pmatrix} 1 \\ 0 \end{pmatrix}$$

$$a_1 = \begin{pmatrix} 1 \\ -1 \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -0.5 \\ 1.5 \end{pmatrix}$$

$$a_2 = \begin{pmatrix} 0.5 \\ 0.5 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -1 \\ 1 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 1 \\ -1 \\ 1 \end{pmatrix}$$

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

$$a_6 = \begin{pmatrix} -1\\0 \end{pmatrix}$$

$$a_{10} = \begin{pmatrix} -1\\2 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} 0 \\ 0.5 \end{pmatrix}$$

$$a_9 = \begin{pmatrix} 0 \\ 1 \end{pmatrix}$$

- (ii) Obstruction class = 1
- (iii) Cusp Shapes = 2.25

#### (iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1, c_9, c_{11}$ $c_{12}$	u-1
$c_2, c_3$	2(2u-1)
$c_4, c_5, c_6$ $c_7, c_{10}$	u+1
<i>c</i> <sub>8</sub>	u

## (v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1, c_4, c_5$ $c_6, c_7, c_9$ $c_{10}, c_{11}, c_{12}$	y-1
$c_2, c_3$	4(4y-1)
c <sub>8</sub>	y

## (vi) Complex Volumes and Cusp Shapes

Solutions to $I_2^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
u = 1.00000		
a = -0.500000	0	2.25000
b = 1.50000		

III. u-Polynomials

Crossings	u-Polynomials at each crossing
$c_1$	$(u-1)(u^{83}-2u^{82}+\cdots-35u+4)$
$c_2$	$4(2u-1)(2u^{83}-13u^{82}+\cdots+3u+1)$
<i>c</i> <sub>3</sub>	$4(2u-1)(2u^{83}-11u^{82}+\cdots+4480u+352)$
C <sub>4</sub>	$(u+1)(u^{83}-2u^{82}+\cdots-35u+4)$
<i>C</i> <sub>5</sub>	$(u+1)(u^{83}+2u^{82}+\cdots+4u+1)$
$c_6, c_7$	$(u+1)(u^{83}+2u^{82}+\cdots+2u+1)$
<i>C</i> <sub>8</sub>	$u(u^{83} + u^{82} + \dots - 2u + 8)$
<i>C</i> 9	$(u-1)(u^{83}+2u^{82}+\cdots+4u+1)$
$c_{10}$	$(u+1)(u^{83}+16u^{82}+\cdots-11522u-2671)$
$c_{11}, c_{12}$	$(u-1)(u^{83} + 2u^{82} + \dots + 2u + 1)$

IV. Riley Polynomials

Crossings	Riley Polynomials at each crossing
$c_1,c_4$	$(y-1)(y^{83} - 52y^{82} + \dots - 479y - 16)$
$c_2$	$16(4y-1)(4y^{83}+523y^{82}+\cdots-117y-1)$
$c_3$	$16(4y-1)(4y^{83}-517y^{82}+\cdots+6829568y-123904)$
$c_5,c_9$	$(y-1)(y^{83}+48y^{82}+\cdots+12y-1)$
$c_6, c_7, c_{11}$ $c_{12}$	$(y-1)(y^{83}-92y^{82}+\cdots+12y-1)$
c <sub>8</sub>	$y(y^{83} + 9y^{82} + \dots + 2164y - 64)$
$c_{10}$	$(y-1)(y^{83} + 28y^{82} + \dots + 6.57251 \times 10^7 y - 7134241)$