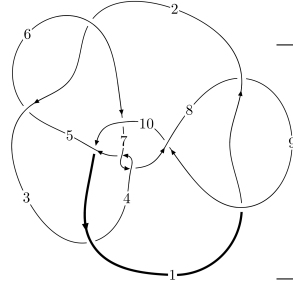
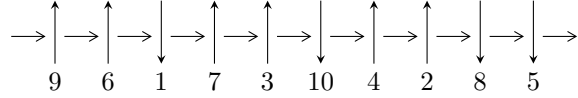


10<sub>96</sub> (K10a<sub>24</sub>)



A knot diagram<sup>1</sup>

**Linearized knot diagram**



**Solving Sequence**

$$2,8 \xrightarrow{c_8} 9 \xrightarrow{c_9} 10 \xrightarrow{c_1} 1,4 \xrightarrow{c_3} 3 \xrightarrow{c_7} 7 \xrightarrow{c_4} 5 \xrightarrow{c_6} 6 \longrightarrow c_2, c_5, c_{10}$$

**Ideals for irreducible components<sup>2</sup> of  $X_{\text{par}}$**

$$I_1^u = \langle -5272122u^{17} + 4798544u^{16} + \dots + 51537967b + 28315457, \\ 38859701u^{17} + 11491400u^{16} + \dots + 206151868a - 139434563, \\ u^{18} + 4u^{16} + 9u^{14} - u^{13} + 12u^{12} - 3u^{11} + 11u^{10} - 5u^9 + 8u^8 + 4u^7 + 2u^6 + 6u^5 + 8u^4 + 7u^3 + u^2 + 3u + 4 \rangle$$

$$I_2^u = \langle u^{14}a - 2u^{14} + \dots - 2a - 1, 2u^{14}a + 2u^{14} + \dots + a^2 + 4a, \\ u^{15} - u^{14} + 4u^{13} - 3u^{12} + 8u^{11} - 6u^{10} + 10u^9 - 7u^8 + 8u^7 - 6u^6 + 6u^5 - 4u^4 + 4u^3 - 2u^2 + 2u - 1 \rangle$$

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

\* 3 irreducible components of  $\dim_{\mathbb{C}} = 0$ , with total 50 representations.

<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>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.

$$I_1^u = \langle -5.27 \times 10^6 u^{17} + 4.80 \times 10^6 u^{16} + \dots + 5.15 \times 10^7 b + 2.83 \times 10^7, 3.89 \times 10^7 u^{17} + 1.15 \times 10^7 u^{16} + \dots + 2.06 \times 10^8 a - 1.39 \times 10^8, u^{18} + 4u^{16} + \dots + 3u + 4 \rangle$$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

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

$$a_1 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} -0.188500u^{17} - 0.0557424u^{16} + \dots + 0.154930u + 0.676368 \\ 0.102296u^{17} - 0.0931070u^{16} + \dots - 0.813721u - 0.549410 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -0.166761u^{17} - 0.0607885u^{16} + \dots + 0.283272u + 1.04603 \\ 0.0148237u^{17} - 0.207715u^{16} + \dots - 0.870244u - 0.939258 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} 0.234815u^{17} + 0.0148237u^{16} + \dots - 0.790765u - 0.165801 \\ -0.0607885u^{17} + 0.189164u^{16} + \dots + 1.54632u + 0.667045 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -0.373129u^{17} - 0.128980u^{16} + \dots + 0.922103u + 1.59149 \\ 0.128980u^{17} - 0.289335u^{16} + \dots - 2.71088u - 1.49252 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} 0.137352u^{17} + 0.102296u^{16} + \dots - 0.248070u - 0.401663 \\ -0.0557424u^{17} + 0.123431u^{16} + \dots + 1.24187u + 0.754001 \end{pmatrix}$$

(ii) Obstruction class = -1

$$(iii) \text{ Cusp Shapes} = -\frac{23479367}{51537967}u^{17} - \frac{127343919}{206151868}u^{16} + \dots + \frac{657635827}{206151868}u + \frac{414460539}{51537967}$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1, c_8$	$u^{18} + 4u^{16} + \dots - 3u + 4$
$c_2, c_4, c_5$ $c_7$	$u^{18} - 2u^{17} + \dots - u + 1$
$c_3, c_6$	$4(4u^{18} - 6u^{17} + \dots + u + 1)$
$c_9$	$u^{18} + 8u^{17} + \dots - u + 16$
$c_{10}$	$u^{18} + 3u^{17} + \dots + 120u + 32$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1, c_8$	$y^{18} + 8y^{17} + \dots - y + 16$
$c_2, c_4, c_5$ $c_7$	$y^{18} + 8y^{17} + \dots + 17y + 1$
$c_3, c_6$	$16(16y^{18} - 28y^{17} + \dots + 11y + 1)$
$c_9$	$y^{18} + 4y^{17} + \dots + 735y + 256$
$c_{10}$	$y^{18} - 5y^{17} + \dots - 4288y + 1024$

(vi) Complex Volumes and Cusp Shapes

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = 0.954364 + 0.371541I$ $a = -0.854485 + 0.746417I$ $b = 0.527077 - 1.253950I$	$-3.68268 - 9.36876I$	$-0.27355 + 5.71519I$
$u = 0.954364 - 0.371541I$ $a = -0.854485 - 0.746417I$ $b = 0.527077 + 1.253950I$	$-3.68268 + 9.36876I$	$-0.27355 - 5.71519I$
$u = 0.495157 + 0.969336I$ $a = 0.811360 - 1.129300I$ $b = -1.278490 + 0.262032I$	$1.41086 + 2.64017I$	$-3.75807 - 9.26255I$
$u = 0.495157 - 0.969336I$ $a = 0.811360 + 1.129300I$ $b = -1.278490 - 0.262032I$	$1.41086 - 2.64017I$	$-3.75807 + 9.26255I$
$u = -0.567357 + 0.706169I$ $a = -0.421889 - 0.044039I$ $b = 0.123272 + 0.375141I$	$0.11776 - 1.42471I$	$0.46661 + 2.50425I$
$u = -0.567357 - 0.706169I$ $a = -0.421889 + 0.044039I$ $b = 0.123272 - 0.375141I$	$0.11776 + 1.42471I$	$0.46661 - 2.50425I$
$u = 0.501769 + 0.662267I$ $a = 1.69141 - 0.67535I$ $b = -1.010020 - 0.434093I$	$2.35859 + 1.45777I$	$5.68941 + 2.64543I$
$u = 0.501769 - 0.662267I$ $a = 1.69141 + 0.67535I$ $b = -1.010020 + 0.434093I$	$2.35859 - 1.45777I$	$5.68941 - 2.64543I$
$u = -0.881883 + 0.896090I$ $a = -0.838759 + 0.128282I$ $b = 0.278239 - 0.862332I$	$-0.64162 - 4.35809I$	$2.09542 + 8.94470I$
$u = -0.881883 - 0.896090I$ $a = -0.838759 - 0.128282I$ $b = 0.278239 + 0.862332I$	$-0.64162 + 4.35809I$	$2.09542 - 8.94470I$

Solutions to $I_1^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.715844 + 0.165207I$		
$a = 0.153155 + 0.140793I$	$0.38947 - 1.38737I$	$5.20835 + 5.01616I$
$b = -0.254607 + 0.632963I$		
$u = -0.715844 - 0.165207I$		
$a = 0.153155 - 0.140793I$	$0.38947 + 1.38737I$	$5.20835 - 5.01616I$
$b = -0.254607 - 0.632963I$		
$u = 0.644327 + 1.178320I$		
$a = -1.77812 + 0.47961I$	$-6.1478 + 15.1779I$	$-2.47148 - 8.89088I$
$b = 0.57190 + 1.33178I$		
$u = 0.644327 - 1.178320I$		
$a = -1.77812 - 0.47961I$	$-6.1478 - 15.1779I$	$-2.47148 + 8.89088I$
$b = 0.57190 - 1.33178I$		
$u = 0.123550 + 1.355420I$		
$a = -0.009343 - 0.587707I$	$-9.80486 - 5.84779I$	$-6.18830 + 4.95030I$
$b = 0.343795 - 1.275010I$		
$u = 0.123550 - 1.355420I$		
$a = -0.009343 + 0.587707I$	$-9.80486 + 5.84779I$	$-6.18830 - 4.95030I$
$b = 0.343795 + 1.275010I$		
$u = -0.554083 + 1.298630I$		
$a = 0.871664 + 0.626444I$	$-3.73889 - 6.36829I$	$-2.64340 + 9.34206I$
$b = -0.301163 + 1.054570I$		
$u = -0.554083 - 1.298630I$		
$a = 0.871664 - 0.626444I$	$-3.73889 + 6.36829I$	$-2.64340 - 9.34206I$
$b = -0.301163 - 1.054570I$		

$$\langle u^{14}a - 2u^{14} + \dots - 2a - 1, 2u^{14}a + 2u^{14} + \dots + a^2 + 4a, u^{15} - u^{14} + \dots + 2u - 1 \rangle$$

II.  $I_2^u =$

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} 1 \\ -u^2 \end{pmatrix}$$

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

$$a_1 = \begin{pmatrix} -u \\ u^3 + u \end{pmatrix}$$

$$a_4 = \begin{pmatrix} a \\ -u^{14}a + 2u^{14} + \dots + 2a + 1 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} 3u^{13}a - 3u^{14} + \dots - 2a - 2 \\ -2u^{14}a + 2u^{14} + \dots + 2a + 2 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -2u^{14}a + 4u^{13}a + \dots - a + 5 \\ -3u^{14}a - u^{14} + \dots - 4u + 1 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} u^{14} + 3u^{12} + 6u^{10} + 7u^8 + 6u^6 + 4u^4 + 2u^2 + 1 \\ -u^{14} + u^{13} + \dots + u - 1 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -2u^{14}a - u^{14} + \dots - 2u + 4 \\ 2u^{14} - 2u^{13} + \dots - au - 2 \end{pmatrix}$$

(ii) Obstruction class = -1

(iii) Cusp Shapes

$$= 4u^{13} - 4u^{12} + 12u^{11} - 12u^{10} + 20u^9 - 24u^8 + 20u^7 - 24u^6 + 16u^5 - 16u^4 + 16u^3 - 8u^2 + 8u - 6$$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1, c_8$	$(u^{15} + u^{14} + \dots + 2u + 1)^2$
$c_2, c_4, c_5$ $c_7$	$u^{30} + 5u^{29} + \dots + 2u + 1$
$c_3, c_6$	$u^{30} + u^{29} + \dots - 162u + 29$
$c_9$	$(u^{15} + 7u^{14} + \dots + 4u^2 - 1)^2$
$c_{10}$	$(u^{15} - u^{14} + \dots + 2u - 1)^2$



(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1, c_8$	$(y^{15} + 7y^{14} + \dots + 4y^2 - 1)^2$
$c_2, c_4, c_5$ $c_7$	$y^{30} + 19y^{29} + \dots - 20y^2 + 1$
$c_3, c_6$	$y^{30} - 13y^{29} + \dots + 21316y + 841$
$c_9$	$(y^{15} + 3y^{14} + \dots + 8y - 1)^2$
$c_{10}$	$(y^{15} - 5y^{14} + \dots + 12y^3 - 1)^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to $I_2^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.385605 + 0.867795I$		
$a = 3.01190 + 0.62486I$	$-3.64104 - 1.66084I$	$1.51042 + 3.96405I$
$b = -0.160281 - 0.896058I$		
$u = -0.385605 + 0.867795I$		
$a = 0.98340 + 3.53440I$	$-3.64104 - 1.66084I$	$1.51042 + 3.96405I$
$b = -0.081650 + 1.113800I$		
$u = -0.385605 - 0.867795I$		
$a = 3.01190 - 0.62486I$	$-3.64104 + 1.66084I$	$1.51042 - 3.96405I$
$b = -0.160281 + 0.896058I$		
$u = -0.385605 - 0.867795I$		
$a = 0.98340 - 3.53440I$	$-3.64104 + 1.66084I$	$1.51042 - 3.96405I$
$b = -0.081650 - 1.113800I$		
$u = 0.146928 + 1.062740I$		
$a = -0.532247 + 0.803689I$	$-5.11062 - 2.07402I$	$-3.82822 + 2.67122I$
$b = -0.235764 + 1.349700I$		
$u = 0.146928 + 1.062740I$		
$a = -0.336119 + 0.803807I$	$-5.11062 - 2.07402I$	$-3.82822 + 2.67122I$
$b = 0.789375 - 0.319437I$		
$u = 0.146928 - 1.062740I$		
$a = -0.532247 - 0.803689I$	$-5.11062 + 2.07402I$	$-3.82822 - 2.67122I$
$b = -0.235764 - 1.349700I$		
$u = 0.146928 - 1.062740I$		
$a = -0.336119 - 0.803807I$	$-5.11062 + 2.07402I$	$-3.82822 - 2.67122I$
$b = 0.789375 + 0.319437I$		
$u = -0.715401 + 0.518352I$		
$a = -0.495626 + 0.162788I$	$0.24352 - 1.50523I$	$4.15133 + 2.74048I$
$b = 0.253544 + 0.465102I$		
$u = -0.715401 + 0.518352I$		
$a = 0.203961 - 0.302035I$	$0.24352 - 1.50523I$	$4.15133 + 2.74048I$
$b = -0.220274 + 0.713343I$		

Solutions to $I_2^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.715401 - 0.518352I$ $a = -0.495626 - 0.162788I$ $b = 0.253544 - 0.465102I$	$0.24352 + 1.50523I$	$4.15133 - 2.74048I$
$u = -0.715401 - 0.518352I$ $a = 0.203961 + 0.302035I$ $b = -0.220274 - 0.713343I$	$0.24352 + 1.50523I$	$4.15133 - 2.74048I$
$u = 0.758945 + 0.422629I$ $a = 0.732399 - 1.007910I$ $b = -0.549307 + 1.203290I$	$-0.27297 - 4.09199I$	$3.04427 + 3.15094I$
$u = 0.758945 + 0.422629I$ $a = -1.52820 + 0.36163I$ $b = 0.930770 + 0.153909I$	$-0.27297 - 4.09199I$	$3.04427 + 3.15094I$
$u = 0.758945 - 0.422629I$ $a = 0.732399 + 1.007910I$ $b = -0.549307 - 1.203290I$	$-0.27297 + 4.09199I$	$3.04427 - 3.15094I$
$u = 0.758945 - 0.422629I$ $a = -1.52820 - 0.36163I$ $b = 0.930770 - 0.153909I$	$-0.27297 + 4.09199I$	$3.04427 - 3.15094I$
$u = 0.426893 + 1.085670I$ $a = 0.497713 - 0.065950I$ $b = 0.38528 - 1.46920I$	$-7.49803 + 3.60340I$	$-6.16372 - 4.47672I$
$u = 0.426893 + 1.085670I$ $a = -1.91914 + 0.58198I$ $b = 0.672463 + 1.225340I$	$-7.49803 + 3.60340I$	$-6.16372 - 4.47672I$
$u = 0.426893 - 1.085670I$ $a = 0.497713 + 0.065950I$ $b = 0.38528 + 1.46920I$	$-7.49803 - 3.60340I$	$-6.16372 + 4.47672I$
$u = 0.426893 - 1.085670I$ $a = -1.91914 - 0.58198I$ $b = 0.672463 - 1.225340I$	$-7.49803 - 3.60340I$	$-6.16372 + 4.47672I$

Solutions to $I_2^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.594997 + 1.040830I$ $a = -1.57156 - 0.42279I$ $b = 0.212345 - 0.992556I$	$-1.30682 - 3.51852I$	$1.71302 + 2.59027I$
$u = -0.594997 + 1.040830I$ $a = 0.257459 - 0.239199I$ $b = -0.368301 - 0.106759I$	$-1.30682 - 3.51852I$	$1.71302 + 2.59027I$
$u = -0.594997 - 1.040830I$ $a = -1.57156 + 0.42279I$ $b = 0.212345 + 0.992556I$	$-1.30682 + 3.51852I$	$1.71302 - 2.59027I$
$u = -0.594997 - 1.040830I$ $a = 0.257459 + 0.239199I$ $b = -0.368301 + 0.106759I$	$-1.30682 + 3.51852I$	$1.71302 - 2.59027I$
$u = 0.594032 + 1.095620I$ $a = -0.858900 + 0.821598I$ $b = 1.119760 - 0.096018I$	$-2.26357 + 9.21780I$	$-0.14540 - 7.39135I$
$u = 0.594032 + 1.095620I$ $a = 1.85470 - 0.46519I$ $b = -0.61782 - 1.34369I$	$-2.26357 + 9.21780I$	$-0.14540 - 7.39135I$
$u = 0.594032 - 1.095620I$ $a = -0.858900 - 0.821598I$ $b = 1.119760 + 0.096018I$	$-2.26357 - 9.21780I$	$-0.14540 + 7.39135I$
$u = 0.594032 - 1.095620I$ $a = 1.85470 + 0.46519I$ $b = -0.61782 + 1.34369I$	$-2.26357 - 9.21780I$	$-0.14540 + 7.39135I$
$u = 0.538411$ $a = -1.79974 + 1.43818I$ $b = 0.369866 - 1.187600I$	$-4.71415$	$-2.56340$
$u = 0.538411$ $a = -1.79974 - 1.43818I$ $b = 0.369866 + 1.187600I$	$-4.71415$	$-2.56340$

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

(i) Arc colorings

$$a_2 = \begin{pmatrix} 0 \\ u \end{pmatrix}$$

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

$$a_9 = \begin{pmatrix} 1 \\ u + 1 \end{pmatrix}$$

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

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

$$a_4 = \begin{pmatrix} -u - \frac{3}{2} \\ 1 \end{pmatrix}$$

$$a_3 = \begin{pmatrix} -u - 1 \\ \frac{1}{2}u + 1 \end{pmatrix}$$

$$a_7 = \begin{pmatrix} -u - \frac{1}{2} \\ 1 \end{pmatrix}$$

$$a_5 = \begin{pmatrix} -2u - 2 \\ 2 \end{pmatrix}$$

$$a_6 = \begin{pmatrix} -u - 1 \\ -\frac{1}{2}u + 1 \end{pmatrix}$$

(ii) Obstruction class = 1

(iii) Cusp Shapes =  $\frac{1}{4}u + 2$

(iv) u-Polynomials at the component

Crossings	u-Polynomials at each crossing
$c_1$	$u^2 - u + 1$
$c_2, c_4$	$(u + 1)^2$
$c_3$	$4(4u^2 + 2u + 1)$
$c_5, c_7$	$(u - 1)^2$
$c_6$	$4(4u^2 - 2u + 1)$
$c_8, c_9$	$u^2 + u + 1$
$c_{10}$	$u^2$

(v) Riley Polynomials at the component

Crossings	Riley Polynomials at each crossing
$c_1, c_8, c_9$	$y^2 + y + 1$
$c_2, c_4, c_5$ $c_7$	$(y - 1)^2$
$c_3, c_6$	$16(16y^2 + 4y + 1)$
$c_{10}$	$y^2$

(vi) Complex Volumes and Cusp Shapes

Solutions to $I_3^u$	$\sqrt{-1}(\text{vol} + \sqrt{-1}CS)$	Cusp shape
$u = -0.500000 + 0.866025I$ $a = -1.000000 - 0.866025I$ $b = 1.000000$	$1.64493 - 2.02988I$	$1.87500 + 0.21651I$
$u = -0.500000 - 0.866025I$ $a = -1.000000 + 0.866025I$ $b = 1.000000$	$1.64493 + 2.02988I$	$1.87500 - 0.21651I$



#### IV. u-Polynomials

Crossings	u-Polynomials at each crossing
$c_1$	$(u^2 - u + 1)(u^{15} + u^{14} + \dots + 2u + 1)^2(u^{18} + 4u^{16} + \dots - 3u + 4)$
$c_2, c_4$	$((u + 1)^2)(u^{18} - 2u^{17} + \dots - u + 1)(u^{30} + 5u^{29} + \dots + 2u + 1)$
$c_3$	$16(4u^2 + 2u + 1)(4u^{18} - 6u^{17} + \dots + u + 1)(u^{30} + u^{29} + \dots - 162u + 29)$
$c_5, c_7$	$((u - 1)^2)(u^{18} - 2u^{17} + \dots - u + 1)(u^{30} + 5u^{29} + \dots + 2u + 1)$
$c_6$	$16(4u^2 - 2u + 1)(4u^{18} - 6u^{17} + \dots + u + 1)(u^{30} + u^{29} + \dots - 162u + 29)$
$c_8$	$(u^2 + u + 1)(u^{15} + u^{14} + \dots + 2u + 1)^2(u^{18} + 4u^{16} + \dots - 3u + 4)$
$c_9$	$(u^2 + u + 1)(u^{15} + 7u^{14} + \dots + 4u^2 - 1)^2(u^{18} + 8u^{17} + \dots - u + 16)$
$c_{10}$	$u^2(u^{15} - u^{14} + \dots + 2u - 1)^2(u^{18} + 3u^{17} + \dots + 120u + 32)$

## V. Riley Polynomials

Crossings	Riley Polynomials at each crossing
$c_1, c_8$	$(y^2 + y + 1)(y^{15} + 7y^{14} + \dots + 4y^2 - 1)^2(y^{18} + 8y^{17} + \dots - y + 16)$
$c_2, c_4, c_5$ $c_7$	$((y - 1)^2)(y^{18} + 8y^{17} + \dots + 17y + 1)(y^{30} + 19y^{29} + \dots - 20y^2 + 1)$
$c_3, c_6$	$256(16y^2 + 4y + 1)(16y^{18} - 28y^{17} + \dots + 11y + 1)$ $\cdot (y^{30} - 13y^{29} + \dots + 21316y + 841)$
$c_9$	$(y^2 + y + 1)(y^{15} + 3y^{14} + \dots + 8y - 1)^2$ $\cdot (y^{18} + 4y^{17} + \dots + 735y + 256)$
$c_{10}$	$y^2(y^{15} - 5y^{14} + \dots + 12y^3 - 1)^2(y^{18} - 5y^{17} + \dots - 4288y + 1024)$