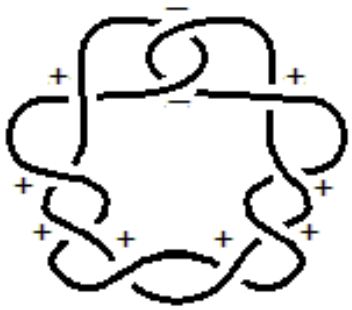
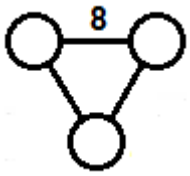
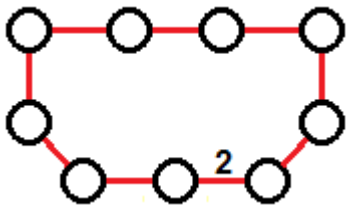
Vassiliev Invariants
Part III

Evert Stenlund

10_1:





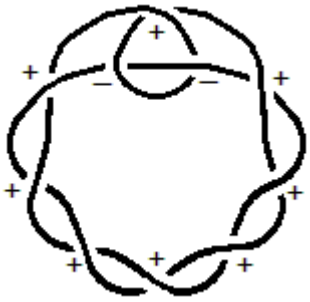


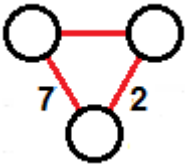
$\boldsymbol{v_{even}} = x_{10.1}$

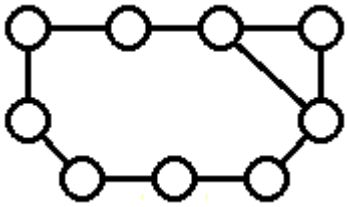
$\boldsymbol{v_{odd}} = \pm y_{10.1}$

$\boldsymbol{v_2}$	$-4x_{3.1}$
$\boldsymbol{v_3}$	$\mp 6y_{3.1}$
$\boldsymbol{v_4}$	$-10x_{5.2} + 20x_{4.1} + 36x_{3.1}$
$\boldsymbol{v_5}$	$\pm(25y_{6.1} - 15y_{5.2} + 64y_{3.1})$
$\boldsymbol{v_6}$	$-6x_{7.2} + 21x_{6.1} + 35x_{5.2} - 70x_{4.1} - 84x_{3.1}$

10_2:





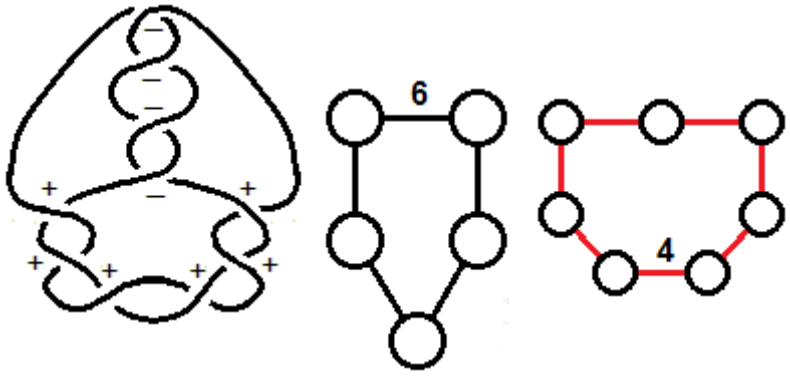


$\boldsymbol{v_{even}} = x_{10.2}$

$\boldsymbol{v_{odd}} = \pm y_{10.2}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$6x_{5.2} - 5x_{5.1} + 10x_{4.1} + 15x_{3.1}$
$\boldsymbol{v_5}$	$\pm(10y_{6.2} + 4y_{5.2} - 3y_{5.1} + 15y_{3.1})$
$\boldsymbol{v_6}$	$5x_{7.3} - 5x_{7.1} + 15x_{6.2} - 24x_{5.2} + 25x_{5.1} - 40x_{4.1} - 45x_{3.1}$

10_3:

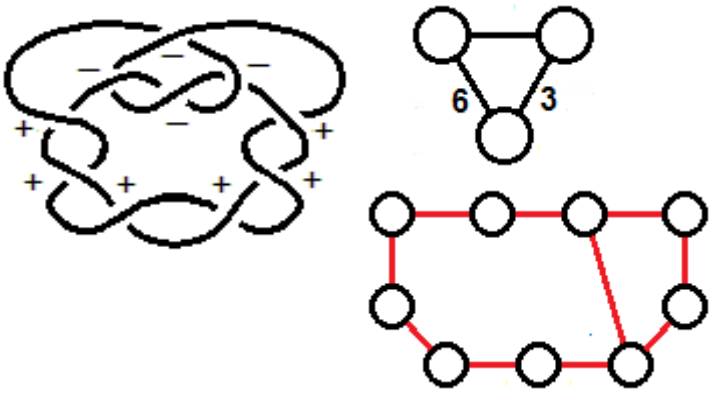


$v_{even} = x_{10.3}$

$v_{odd} = \pm y_{10.3}$

v_2	$-6x_{3.1}$
v_3	$\mp 3y_{3.1}$
v_4	$-11x_{5.2} + 32x_{4.1} + 48x_{3.1}$
v_5	$\pm(8y_{6.1} - y_{5.2} + 8y_{3.1})$
v_6	$20x_{7.7} - 8x_{7.6} + 8x_{7.5} - 8x_{7.3} - 2x_{7.2} - 8x_{6.3} + 24x_{6.2} + 24x_{6.1} + 61x_{5.2} + 4x_{5.1} - 130x_{4.1} - 148x_{3.1}$

10_4:

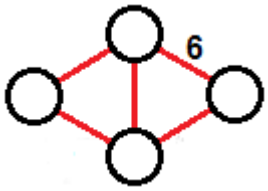


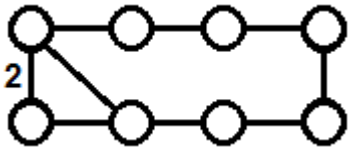
$\boldsymbol{v_{even}} = x_{10.4}$

$\boldsymbol{v_{odd}} = \pm y_{10.4}$

$\boldsymbol{v_2}$	$-5x_{3.1}$
$\boldsymbol{v_3}$	$\mp y_{3.1}$
$\boldsymbol{v_4}$	$-2x_{5.2} - 3x_{5.1} + 26x_{4.1} + 34x_{3.1}$
$\boldsymbol{v_5}$	$\mp(6y_{6.2} - 10y_{6.1} - 6y_{5.2} + 3y_{5.1})$
$\boldsymbol{v_6}$	$-4x_{7.3} + 3x_{7.2} + 10x_{6.2} + 17x_{6.1} + 5x_{5.2} + 15x_{5.1} - 65x_{4.1} - 70x_{3.1}$

10_5:



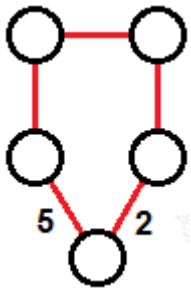


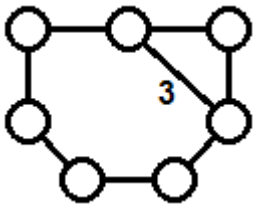
$\boldsymbol{v_{even}} = x_{10.5}$

$\boldsymbol{v_{odd}} = \pm y_{10.5}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	$\pm 7y_{3.1}$
$\boldsymbol{v_4}$	$-9x_{5.2} + 7x_{5.1} - 6x_{4.1} - 5x_{3.1}$
$\boldsymbol{v_5}$	$\mp(4y_{6.2} + 7y_{5.2} - 5y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$-4x_{7.5} - 5x_{7.3} + 5x_{7.1} + 10x_{6.3} - 5x_{6.2}$ $+ 35x_{5.2} - 15x_{5.1} + 20x_{4.1} - 5x_{3.1}$

10_6:



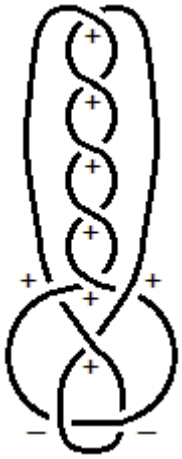


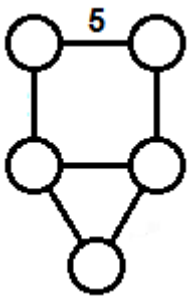
$\boldsymbol{v_{even}} = x_{10.6}$

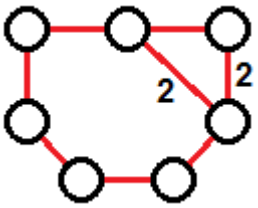
$\boldsymbol{v_{odd}} = \pm y_{10.6}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	$\mp 4y_{3.1}$
$\boldsymbol{v_4}$	$3x_{5.2} - 6x_{5.1} + 16x_{4.1} + 27x_{3.1}$
$\boldsymbol{v_5}$	$\pm(11y_{6.2} + 3y_{6.1} - y_{5.2} - 2y_{5.1} + 23y_{3.1})$
$\boldsymbol{v_6}$	$3x_{7.6} - 4x_{7.5} + 2x_{7.3} - 2x_{7.1} + 4x_{6.3} + 14x_{6.2} + 6x_{6.1} - 8x_{5.2} + 21x_{5.1} - 52x_{4.1} - 63x_{3.1}$

10_7:





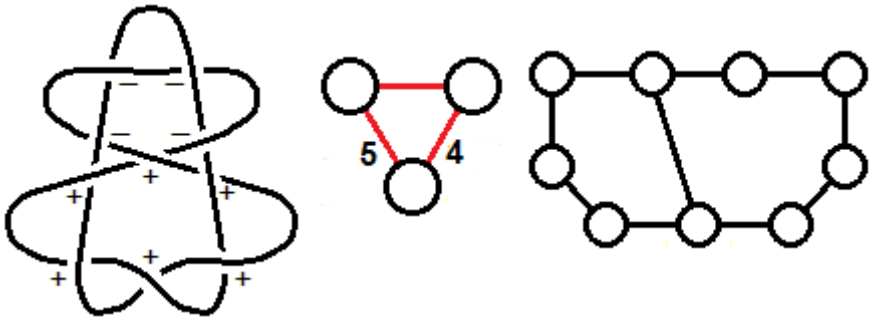


$\boldsymbol{v_{even}} = x_{10.7}$

$\boldsymbol{v_{odd}} = \pm y_{10.7}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	$\mp 3y_{3.1}$
$\boldsymbol{v_4}$	$-3x_{5.1} + 10x_{4.1} + 18x_{3.1}$
$\boldsymbol{v_5}$	$\pm(10y_{6.1} + 2y_{5.2} - 3y_{5.1} + 16y_{3.1})$
$\boldsymbol{v_6}$	$-17x_{7.7} + 8x_{7.6} - 8x_{7.5} + 4x_{7.3} - x_{7.2} + 8x_{6.3} - 14x_{6.2} + 13x_{6.1} - 15x_{5.2} + 8x_{5.1} - 5x_{4.1} - 6x_{3.1}$

10_8:

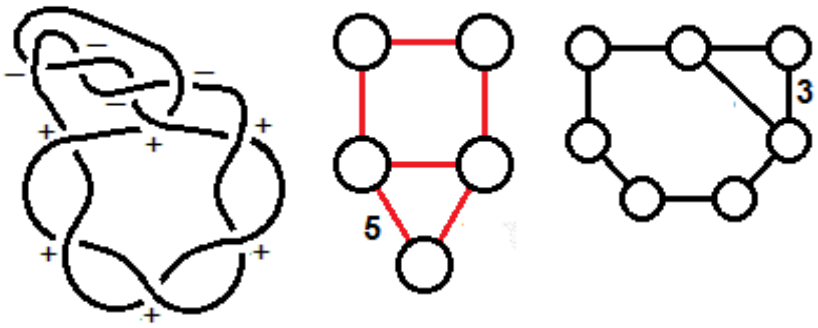


$\boldsymbol{v_{even}} = x_{10.8}$

$\boldsymbol{v_{odd}} = \pm y_{10.8}$

$\boldsymbol{v_2}$	$-3x_{3.1}$
$\boldsymbol{v_3}$	$\mp 4y_{3.1}$
$\boldsymbol{v_4}$	$6x_{5.2} - 7x_{5.1} + 21x_{4.1} + 27x_{3.1}$
$\boldsymbol{v_5}$	$\pm(12y_{6.2} - 3y_{6.1} - 3y_{5.2} + y_{5.1} + 9y_{3.1})$
$\boldsymbol{v_6}$	$-x_{7.3} + 3x_{7.2} - 2x_{7.1} + 19x_{6.2} + 6x_{6.1} - 16x_{5.2} + 24x_{5.1} - 56x_{4.1} - 60x_{3.1}$

10_9:

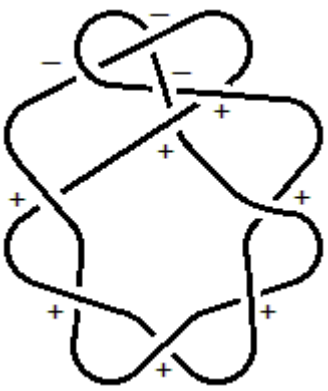


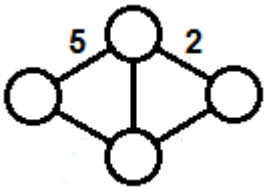
$\boldsymbol{v_{even}} = x_{10.9}$

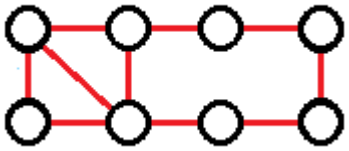
$\boldsymbol{v_{odd}} = \pm y_{10.9}$

$\boldsymbol{v_2}$	$-2x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$9x_{5.2} - 7x_{5.1} + 15x_{4.1} + 16x_{3.1}$
$\boldsymbol{v_5}$	$\pm(5y_{6.2} + 2y_{5.2} - y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$7x_{7.5} + 2x_{7.3} - 5x_{7.1} - 4x_{6.3} + 20x_{6.2}$ $- 32x_{5.2} + 24x_{5.1} - 44x_{4.1} - 38x_{3.1}$

$\mathbf{10_{10}}$:





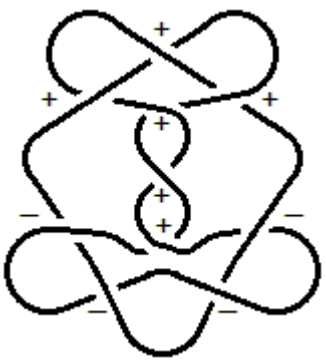


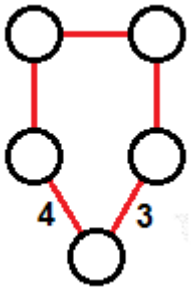
$\boldsymbol{v_{even}} = x_{10.10}$

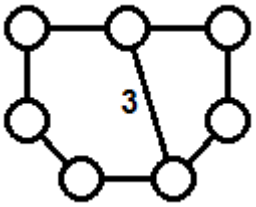
$\boldsymbol{v_{odd}} = \pm y_{10.10}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$-3x_{5.2} + 3x_{5.1} - 6x_{4.1} - 8x_{3.1}$
$\boldsymbol{v_5}$	$\pm(3y_{6.2} - 7y_{6.1} - 5y_{5.2} + 3y_{5.1} - 2y_{3.1})$
$\boldsymbol{v_6}$	$20x_{7.7} - 5x_{7.6} + 8x_{7.5} - 4x_{7.3} - 3x_{7.2} - 2x_{6.3} + 20x_{6.2} - 9x_{6.1} + 35x_{5.2} - 8x_{5.1} - 23x_{4.1} - 42x_{3.1}$

10_{11}:





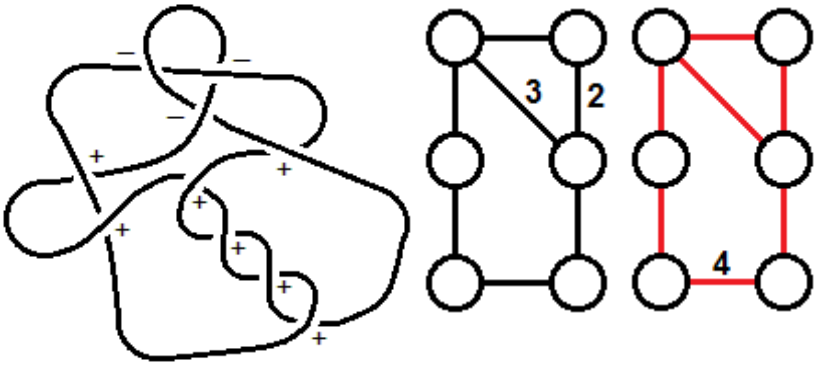


$\boldsymbol{v_{even}} = x_{10.11}$

$\boldsymbol{v_{odd}} = \pm y_{10.11}$

$\boldsymbol{v_2}$	$-5x_{3.1}$
$\boldsymbol{v_3}$	$\mp 4y_{3.1}$
$\boldsymbol{v_4}$	$-2x_{5.2} - 4x_{5.1} + 29x_{4.1} + 40x_{3.1}$
$\boldsymbol{v_5}$	$\pm(8y_{6.2} + y_{6.1} - 5y_{5.2} + 2y_{5.1} + 10y_{3.1})$
$\boldsymbol{v_6}$	$10x_{7.7} - x_{7.6} + 2x_{7.5} - 6x_{7.3} + 2x_{7.2} - x_{6.3} + 23x_{6.2} + 16x_{6.1} + 20x_{5.2} + 17x_{5.1} - 95x_{4.1} - 108x_{3.1}$

$\mathbf{10_{12}}$:

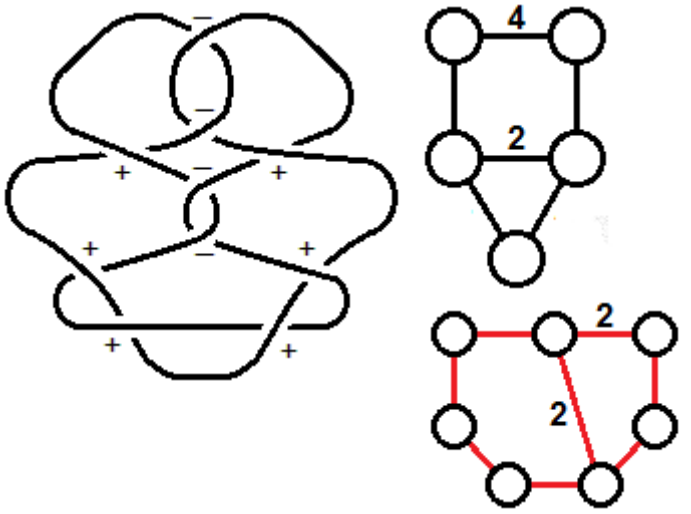


$\boldsymbol{v_{even}} = x_{10.12}$

$\boldsymbol{v_{odd}} = \pm y_{10.12}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	$\pm 6y_{3.1}$
$\boldsymbol{v_4}$	$-9x_{5.2} + 6x_{5.1} - 3x_{4.1} + x_{3.1}$
$\boldsymbol{v_5}$	$\mp(3y_{6.2} - 2y_{6.1} + 4y_{5.2} - 3y_{5.1} - 2y_{3.1})$
$\boldsymbol{v_6}$	$-2x_{7.6} + x_{7.5} - 2x_{7.3} - 3x_{7.2} + 2x_{7.1} + 11x_{6.3} + 2x_{6.2} - 3x_{6.1} + 31x_{5.2} - 13x_{5.1} + 14x_{4.1} - 15x_{3.1}$

10_{13}:

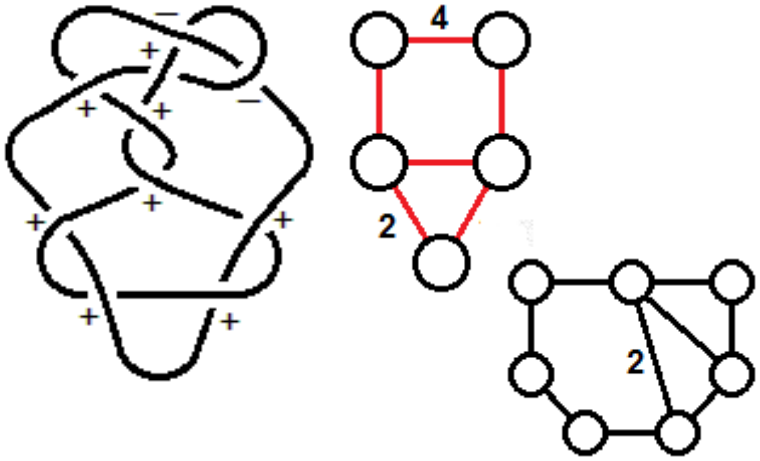


$v_{even} = x_{10.13}$

$v_{odd} = \pm y_{10.13}$

v_2	$-5x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$-11x_{5.2} + 2x_{5.1} + 20x_{4.1} + 31x_{3.1}$
v_5	$\pm(y_{6.2} + 3y_{6.1} - 3y_{5.2} + y_{5.1} + 6y_{3.1})$
v_6	$7x_{7.7} - 9x_{7.6} + 4x_{7.5} - 3x_{7.3} - 2x_{7.2} - 7x_{6.3} + 5x_{6.2} + 16x_{6.1} + 40x_{5.2} - 4x_{5.1} - 61x_{4.1} - 69x_{3.1}$

10_{14}:

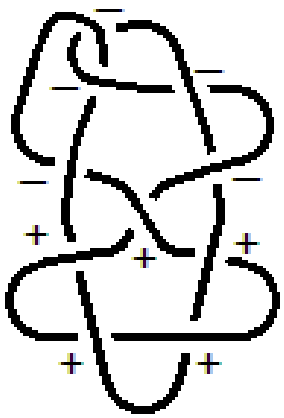


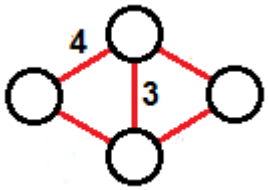
$v_{even} = x_{10.14}$

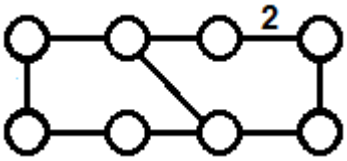
$v_{odd} = \pm y_{10.14}$

v_2	$2x_{3.1}$
v_3	$\pm 3y_{3.1}$
v_4	$7x_{5.2} - 4x_{5.1} + 6x_{4.1} + 6x_{3.1}$
v_5	$\pm(8y_{6.2} - 4y_{6.1} + 3y_{5.2} - y_{5.1} + 3y_{3.1})$
v_6	$-2x_{7.7} - 3x_{7.6} - 2x_{7.5} + 2x_{7.3} + 3x_{7.2} - 2x_{7.1} - 4x_{6.3} + 5x_{6.2} - 17x_{5.2} + 14x_{5.1} - 14x_{4.1} - 9x_{3.1}$

10_{15}:





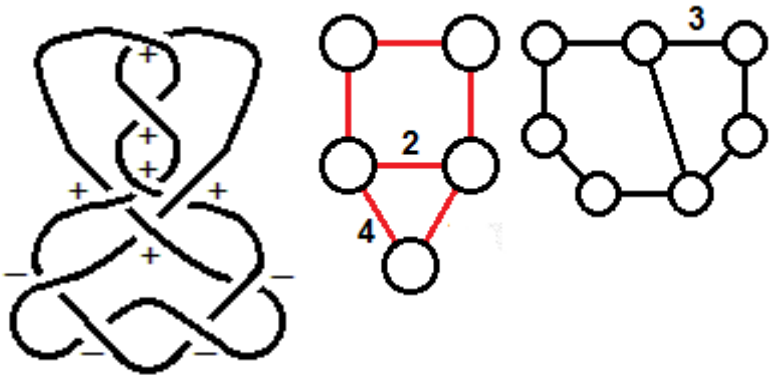


$\boldsymbol{v_{even}} = x_{10.15}$

$\boldsymbol{v_{odd}} = \pm y_{10.15}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$-11x_{5.2} + 6x_{5.1} - 4x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(y_{6.2} - 2y_{6.1} - 4y_{5.2} + 2y_{5.1} + 3y_{3.1})$
$\boldsymbol{v_6}$	$-3x_{7.6} - 2x_{7.3} - 2x_{7.2} + 2x_{7.1} + 12x_{6.3} + 2x_{6.2} - 3x_{6.1} + 31x_{5.2} - 13x_{5.1} + 14x_{4.1} - 15x_{3.1}$

10_{16}:

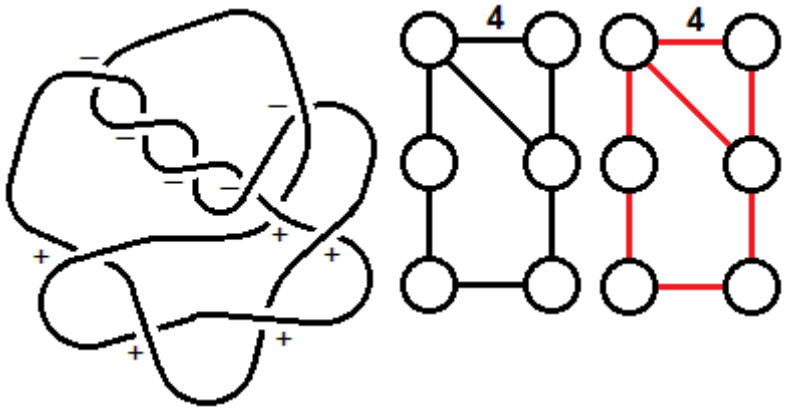


$v_{even} = x_{10.16}$

$v_{odd} = \pm y_{10.16}$

v_2	$-4x_{3.1}$
v_3	$\mp 4y_{3.1}$
v_4	$-4x_{5.1} + 22x_{4.1} + 30x_{3.1}$
v_5	$\pm(4y_{6.2} + 5y_{6.1} - y_{5.2} + 8y_{3.1})$
v_6	$-2x_{7.7} + 2x_{7.6} - 2x_{7.5} - 2x_{7.3} + 2x_{7.2} + 2x_{6.3} + 8x_{6.2} + 13x_{6.1} - x_{5.2} + 14x_{5.1} - 50x_{4.1} - 54x_{3.1}$

10_{17}:

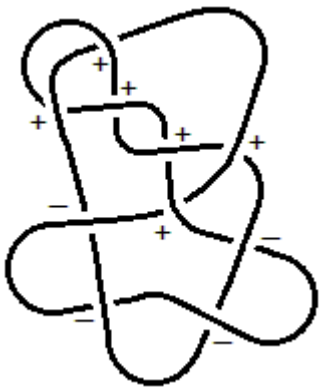


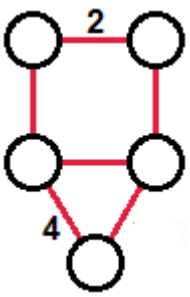
$v_{even} = x_{10.17}$

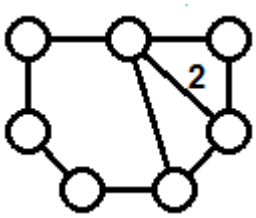
$v_{odd} = \pm y_{10.17}$

v_2	$2x_{3.1}$
v_3	0
v_4	$-12x_{5.2} + 7x_{5.1} - 8x_{4.1} - 3x_{3.1}$
v_5	0
v_6	$-6x_{7.5} - 4x_{7.3} + 5x_{7.1} + 15x_{6.3} - 6x_{6.2} + 42x_{5.2} - 19x_{5.1} + 23x_{4.1} - 9x_{3.1}$

10_{18}:





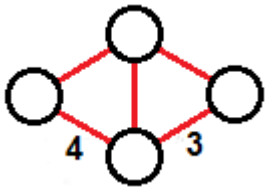


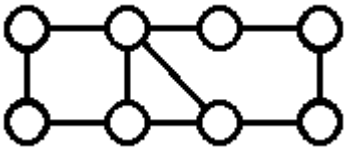
$\boldsymbol{v_{even}} = x_{10.18}$

$\boldsymbol{v_{odd}} = \pm y_{10.18}$

$\boldsymbol{v_2}$	$-2x_{3.1}$
$\boldsymbol{v_3}$	$\mp y_{3.1}$
$\boldsymbol{v_4}$	$5x_{5.2} - 4x_{5.1} + 10x_{4.1} + 10x_{3.1}$
$\boldsymbol{v_5}$	$\pm(8y_{6.2} - 7y_{6.1} - 4y_{5.2} + 2y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$-8x_{7.7} - x_{7.6} - 4x_{7.5} + 4x_{7.2} - x_{6.3} - x_{6.2} + 4x_{6.1} - 17x_{5.2} + 11x_{5.1} - 4x_{4.1}$

10_{19}:



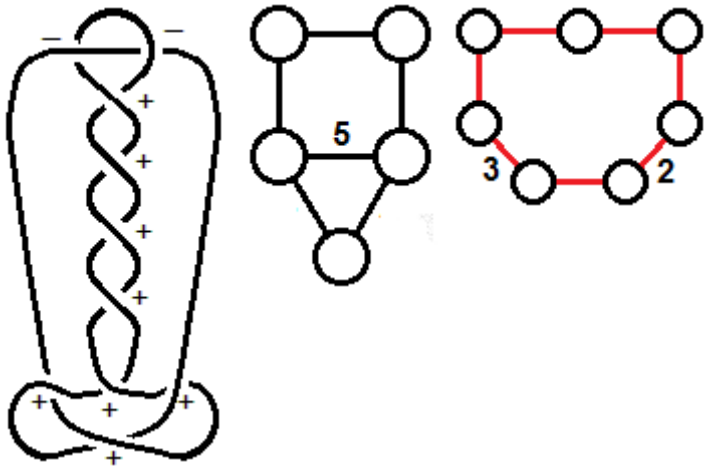


$v_{even} = x_{10.19}$

$v_{odd} = \pm y_{10.19}$

v_2	$x_{3.1}$
v_3	0
v_4	$-8x_{5.2} + 5x_{5.1} - 7x_{4.1} - 5x_{3.1}$
v_5	$\mp(4y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + y_{3.1})$
v_6	$10x_{7.7} - x_{7.6} + 2x_{7.5} - 3x_{7.3} - 3x_{7.2} + 2x_{7.1} + 7x_{6.3} + 6x_{6.2} - 4x_{6.1} + 38x_{5.2} - 15x_{5.1} - 24x_{3.1}$

10_{20}:

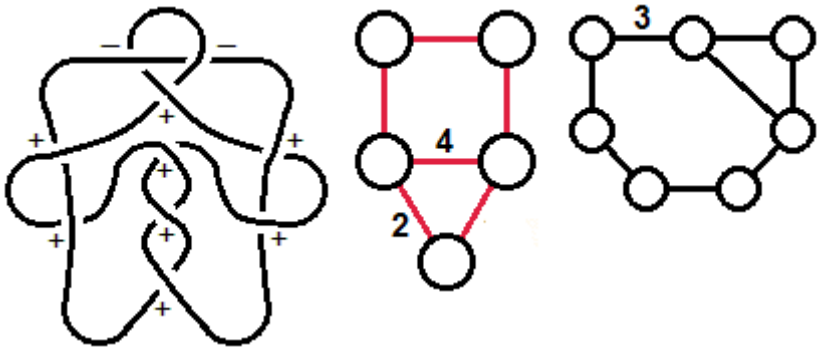


$v_{even} = x_{10.20}$

$v_{odd} = \pm y_{10.20}$

v_2	$-3x_{3.1}$
v_3	$\mp 6y_{3.1}$
v_4	$-4x_{5.2} - 3x_{5.1} + 19x_{4.1} + 33x_{3.1}$
v_5	$\pm(6y_{6.2} + 9y_{6.1} - 5y_{5.2} + 24y_{3.1})$
v_6	$4x_{7.6} - 4x_{7.5} - 2x_{7.2} + 3x_{6.3} + 6x_{6.2} + 15x_{6.1} + 11x_{5.2} + 12x_{5.1} - 62x_{4.1} - 72x_{3.1}$

10_{21}:

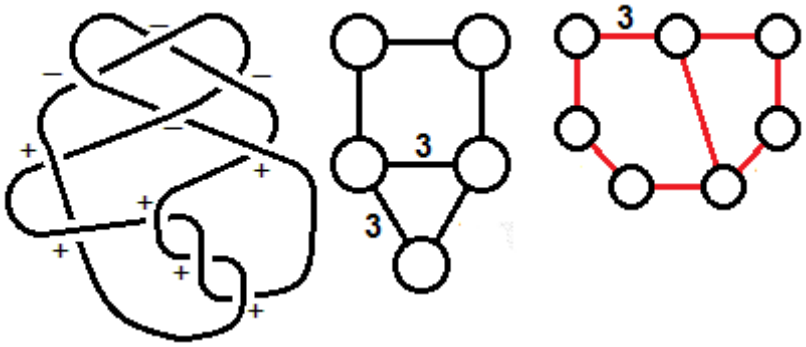


$v_{even} = x_{10.21}$

$v_{odd} = \pm y_{10.21}$

v_2	$x_{3.1}$
v_3	0
v_4	$5x_{5.2} - 5x_{5.1} + 10x_{4.1} + 16x_{3.1}$
v_5	$\pm(5y_{6.2} + 5y_{6.1} + 5y_{5.2} - 4y_{5.1} + 15y_{3.1})$
v_6	$-12x_{7.7} + 6x_{7.6} - 6x_{7.5} + 5x_{7.3} - 2x_{7.1} + 6x_{6.3} - 4x_{6.2} + 7x_{6.1} - 23x_{5.2} + 15x_{5.1} - 11x_{4.1} - 12x_{3.1}$

10_{22}:

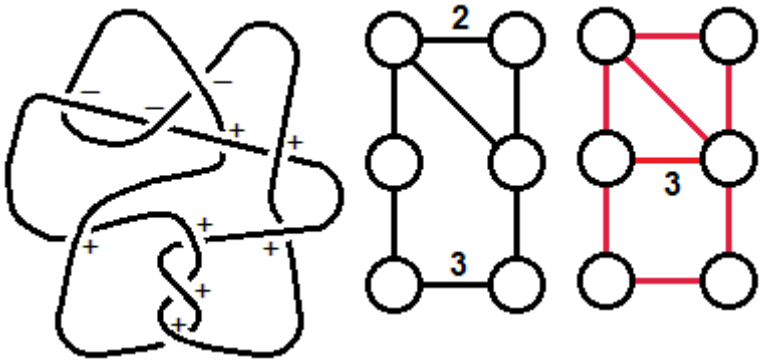


$v_{even} = x_{10.22}$

$v_{odd} = \pm y_{10.22}$

v_2	$-4x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$5x_{5.2} - 6x_{5.1} + 23x_{4.1} + 27x_{3.1}$
v_5	$\pm(y_{6.2} + 4y_{6.1} + 2y_{5.2} - y_{5.1} + 2y_{3.1})$
v_6	$2x_{7.6} + 3x_{7.5} - 2x_{7.3} + 2x_{7.2} - 2x_{7.1} + x_{6.3} + 18x_{6.2} + 8x_{6.1} - 14x_{5.2} + 21x_{5.1} - 55x_{4.1} - 59x_{3.1}$

10_{23}:

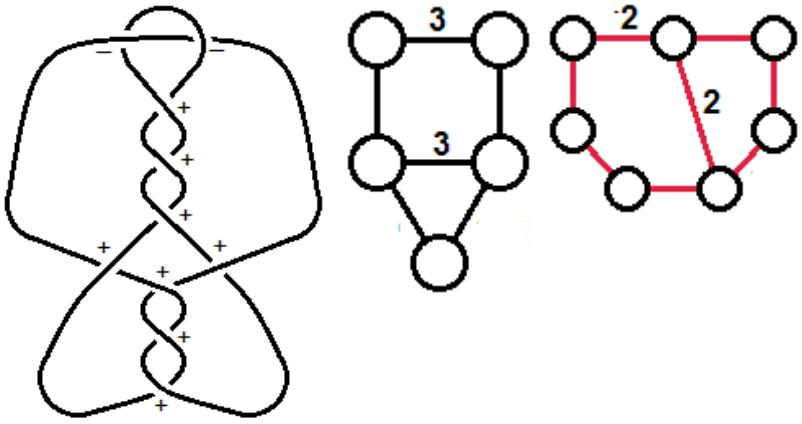


$v_{even} = x_{10.23}$

$v_{odd} = \pm y_{10.23}$

v_2	$3x_{3.1}$
v_3	$\pm 5y_{3.1}$
v_4	$-6x_{5.2} + 5x_{5.1} - 6x_{4.1} - 6x_{3.1}$
v_5	$\mp(4y_{6.1} + 6y_{5.2} - 4y_{5.1} + y_{3.1})$
v_6	$14x_{7.7} - 4x_{7.6} + 4x_{7.5} - 5x_{7.3} - 2x_{7.2} + 2x_{7.1} + 3x_{6.3} + 13x_{6.2} - 6x_{6.1} + 40x_{5.2} - 11x_{5.1} - 11x_{4.1} - 36x_{3.1}$

10_{24}:

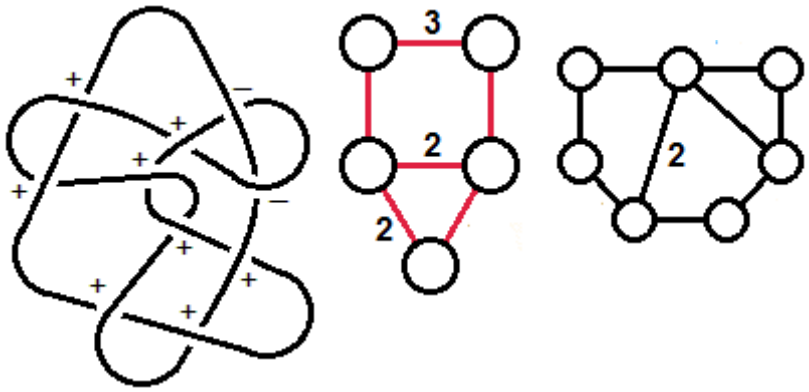


$v_{even} = x_{10.24}$

$v_{odd} = \pm y_{10.24}$

v_2	$-2x_{3.1}$
v_3	$\mp 5y_{3.1}$
v_4	$-x_{5.2} - 4x_{5.1} + 16x_{4.1} + 28x_{3.1}$
v_5	$\pm(4y_{6.2} + 10y_{6.1} - y_{5.2} - 2y_{5.1} + 22y_{3.1})$
v_6	$-7x_{7.7} + 7x_{7.6} - 6x_{7.5} + 2x_{7.3} - 2x_{7.2} + 7x_{6.3} - x_{6.2} + 13x_{6.1} + 10x_{5.1} - 36x_{4.1} - 44x_{3.1}$

10_{25}:

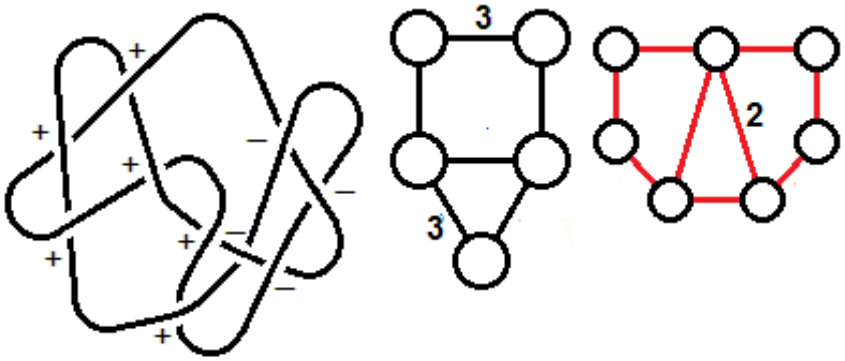


$v_{even} = x_{10.25}$

$v_{odd} = \pm y_{10.25}$

v_2	0
v_3	$\mp 2y_{3.1}$
v_4	$2x_{5.2} - 4x_{5.1} + 10x_{4.1} + 18x_{3.1}$
v_5	$\pm(4y_{6.2} + 6y_{6.1} + 2y_{5.2} - 3y_{5.1} + 17y_{3.1})$
v_6	$-8x_{7.7} + 6x_{7.6} - 4x_{7.5} + 4x_{7.3} - x_{7.2} - 2x_{7.1} + 5x_{6.3}$ $+ 7x_{6.1} - 19x_{5.2} + 15x_{5.1} - 22x_{4.1} - 23x_{3.1}$

10_{26}:

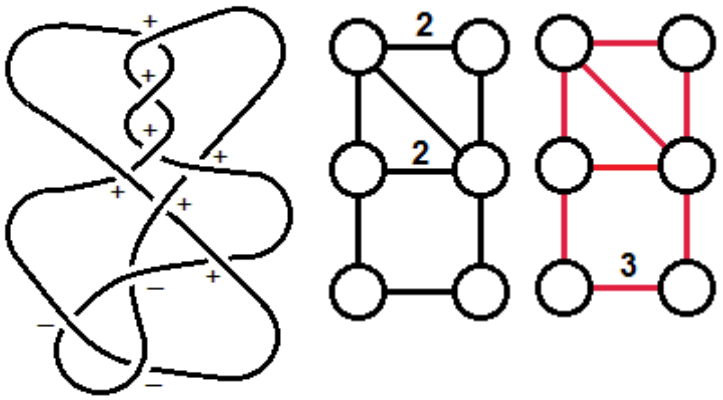


$\boldsymbol{v_{even}} = x_{10.26}$

$\boldsymbol{v_{odd}} = \pm y_{10.26}$

$\boldsymbol{v_2}$	$-3x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$5x_{5.2} - 5x_{5.1} + 16x_{4.1} + 18x_{3.1}$
$\boldsymbol{v_5}$	$\mp(y_{6.2} - 6y_{6.1} - 4y_{5.2} + 2y_{5.1} - y_{3.1})$
$\boldsymbol{v_6}$	$-8x_{7.7} + 3x_{7.6} + x_{7.3} + 2x_{7.2} - 2x_{7.1} + x_{6.3} + 5x_{6.2} + 7x_{6.1} - 27x_{5.2} + 18x_{5.1} - 25x_{4.1} - 20x_{3.1}$

$\mathbf{10_{27}}$:

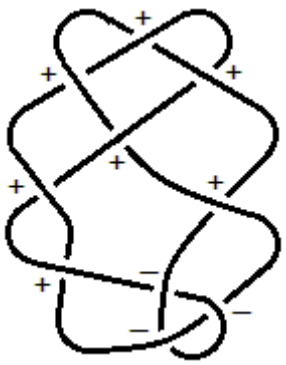


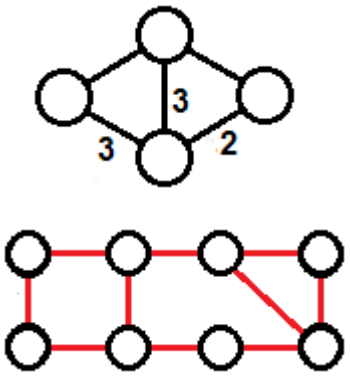
$\boldsymbol{v_{even}} = x_{10.27}$

$\boldsymbol{v_{odd}} = \pm y_{10.27}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 3y_{3.1}$
$\boldsymbol{v_4}$	$-5x_{5.2} + 4x_{5.1} - 6x_{4.1} - 6x_{3.1}$
$\boldsymbol{v_5}$	$\mp(4y_{6.1} + 5y_{5.2} - 3y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$10x_{7.7} - 3x_{7.6} + 2x_{7.5} - 4x_{7.3} - x_{7.2} + 2x_{7.1} + 2x_{6.3} + 7x_{6.2} - 4x_{6.1} + 31x_{5.2} - 10x_{5.1} - 4x_{4.1} - 21x_{3.1}$

10_{28}:



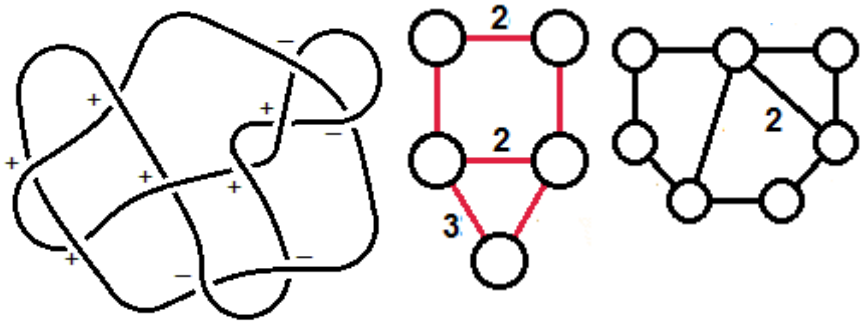


$v_{even} = x_{10.28}$

$v_{odd} = \pm y_{10.28}$

v_2	$3x_{3.1}$
v_3	$\pm 4y_{3.1}$
v_4	$-6x_{5.2} + 4x_{5.1} - 3x_{4.1}$
v_5	$\mp(y_{6.1} + 3y_{5.2} - 2y_{5.1} - 2y_{3.1})$
v_6	$10x_{7.7} - 3x_{7.6} + 6x_{7.5} - 2x_{7.3} - 4x_{7.2} + 5x_{6.3} + 13x_{6.2} - 6x_{6.1} + 30x_{5.2} - 9x_{5.1} - 9x_{4.1} - 32x_{3.1}$

10_{29}:

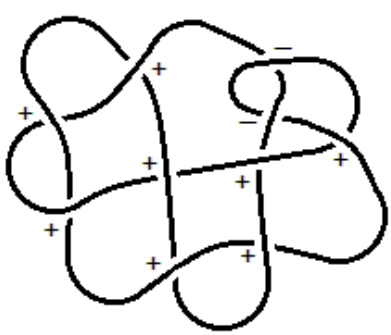


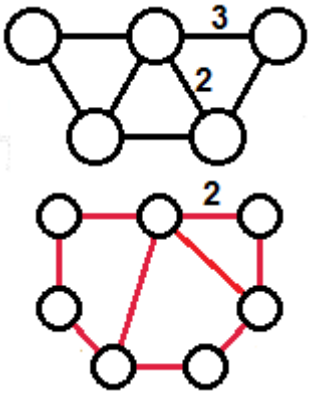
$\boldsymbol{v_{even}} = x_{10.29}$

$\boldsymbol{v_{odd}} = \pm y_{10.29}$

$\boldsymbol{v_2}$	$-4x_{3.1}$
$\boldsymbol{v_3}$	$\mp 3y_{3.1}$
$\boldsymbol{v_4}$	$-4x_{5.2} - x_{5.1} + 17x_{4.1} + 24x_{3.1}$
$\boldsymbol{v_5}$	$\pm(5y_{6.2} - 5y_{5.2} + 2y_{5.1} + 7y_{3.1})$
$\boldsymbol{v_6}$	$-2x_{7.7} - 2x_{7.6} - 3x_{7.5} - 2x_{7.3} + 2x_{7.2} + x_{7.1} - x_{6.3} + 12x_{6.1} + 9x_{5.2} + 5x_{5.1} - 31x_{4.1} - 33x_{3.1}$

10_{30}:



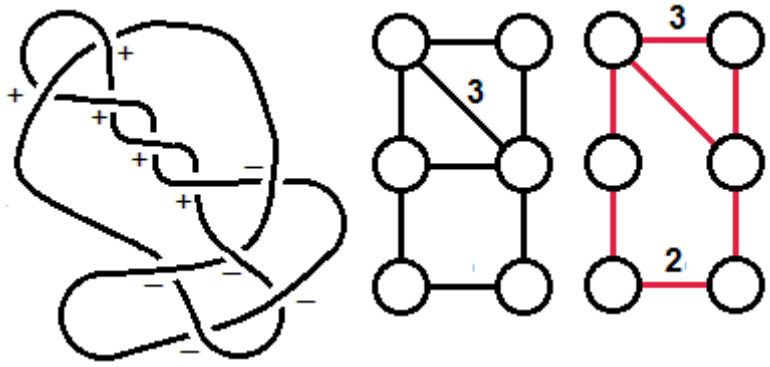


$v_{even} = x_{10.30}$

$v_{odd} = \pm y_{10.30}$

v_2	$x_{3.1}$
v_3	$\pm y_{3.1}$
v_4	$6x_{5.2} - 4x_{5.1} + 6x_{4.1} + 7x_{3.1}$
v_5	$\pm(4y_{6.2} + 4y_{5.2} - 2y_{5.1} + 3y_{3.1})$
v_6	$-10x_{7.7} + x_{7.6} - 6x_{7.5} + 2x_{7.3} + 3x_{7.2} + x_{6.3} - 7x_{6.2} + 4x_{6.1} - 16x_{5.2} + 7x_{5.1} + 7x_{4.1} + 13x_{3.1}$

10_{31}:

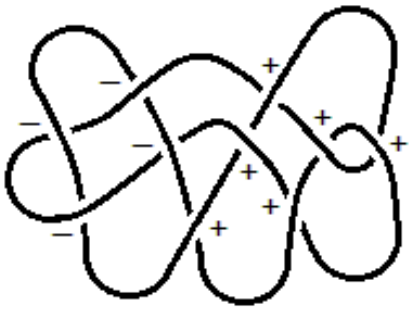


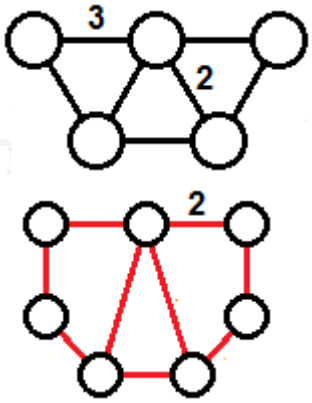
$v_{even} = x_{10.31}$

$v_{odd} = \pm y_{10.31}$

v_2	$2x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$-7x_{5.2} + 4x_{5.1} - 4x_{4.1}$
v_5	$\mp(4y_{6.2} - 5y_{6.1} - 4y_{5.2} + 2y_{5.1} + 2y_{3.1})$
v_6	$11x_{7.7} - 3x_{7.6} + 6x_{7.5} - 2x_{7.3} - 4x_{7.2} + 5x_{6.3} + 13x_{6.2} - 6x_{6.1} + 31x_{5.2} - 10x_{5.1} - 10x_{4.1} - 32x_{3.1}$

10_{32}:



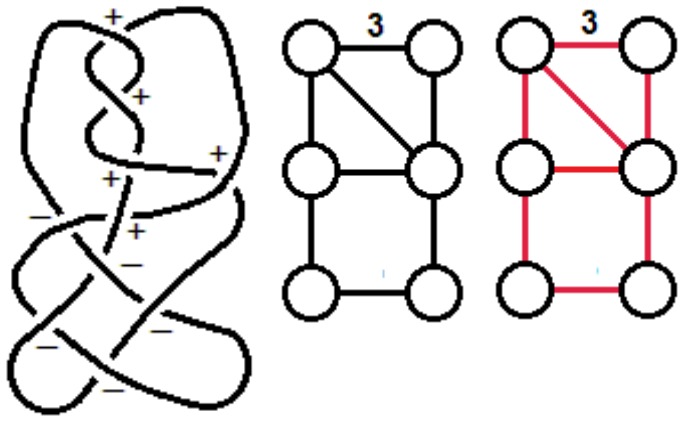


$v_{even} = x_{10.32}$

$v_{odd} = \pm y_{10.32}$

v_2	$-x_{3.1}$
v_3	0
v_4	$6x_{5.2} - 4x_{5.1} + 7x_{4.1} + 6x_{3.1}$
v_5	$\pm(4y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + y_{3.1})$
v_6	$-2x_{7.7} - x_{7.6} + 2x_{7.5} + x_{7.3} + x_{7.2} - 2x_{7.1} - 4x_{6.3} + 6x_{6.2} - 18x_{5.2} + 11x_{5.1} - 13x_{4.1} - 6x_{3.1}$

10_{33}:

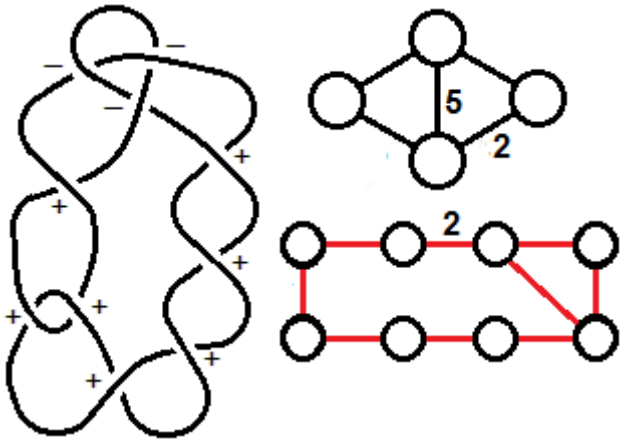


$v_{even} = x_{10.33}$

$v_{odd} = \pm y_{10.33}$

v_2	0
v_3	0
v_4	$-6x_{5.2} + 4x_{5.1} - 6x_{4.1} - 6x_{3.1}$
v_5	0
v_6	$14x_{7.7} - 2x_{7.6} + 6x_{7.5} - 2x_{7.3} - 4x_{7.2} + 2x_{6.3} + 12x_{6.2} - 6x_{6.1} + 30x_{5.2} - 10x_{5.1} - 12x_{4.1} - 30x_{3.1}$

10_{34}:

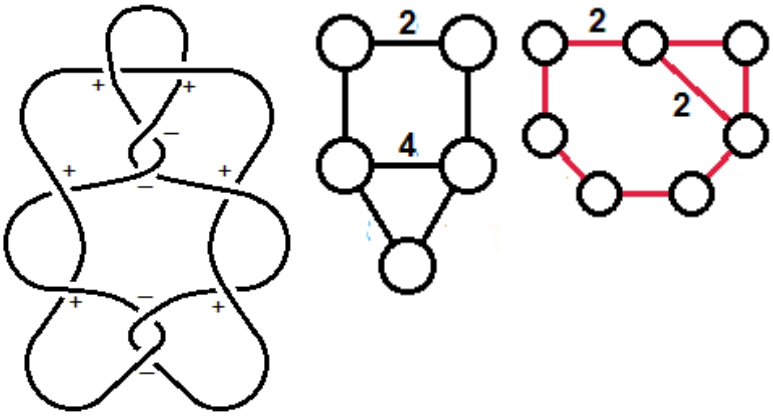


$v_{even} = x_{10.34}$

$v_{odd} = \pm y_{10.34}$

v_2	$3x_{3.1}$
v_3	$\pm 3y_{3.1}$
v_4	$-5x_{5.2} + 3x_{5.1} - x_{4.1} + 3x_{3.1}$
v_5	$\mp(3y_{6.2} - 3y_{6.1} - y_{5.2})$
v_6	$-4x_{7.6} + 4x_{7.5} - 4x_{7.2} + 6x_{6.3} + 3x_{6.2} - 3x_{6.1} + 25x_{5.2} - 12x_{5.1} + 8x_{4.1} - 12x_{3.1}$

10_{35}:

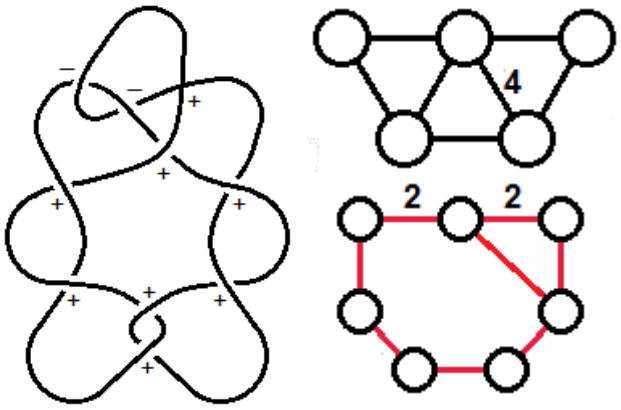


$\boldsymbol{v_{even}} = x_{10.35}$

$\boldsymbol{v_{odd}} = \pm y_{10.35}$

$\boldsymbol{v_2}$	$-4x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$-9x_{5.2} + 2x_{5.1} + 13x_{4.1} + 21x_{3.1}$
$\boldsymbol{v_5}$	$\mp(y_{6.2} - 5y_{6.1} + y_{5.2} - 5y_{3.1})$
$\boldsymbol{v_6}$	$-3x_{7.7} - 7x_{7.6} + x_{7.5} - 2x_{7.2} - 3x_{6.3} - 5x_{6.2} + 12x_{6.1} + 24x_{5.2} - 6x_{5.1} - 24x_{4.1} - 30x_{3.1}$

10_{36}:

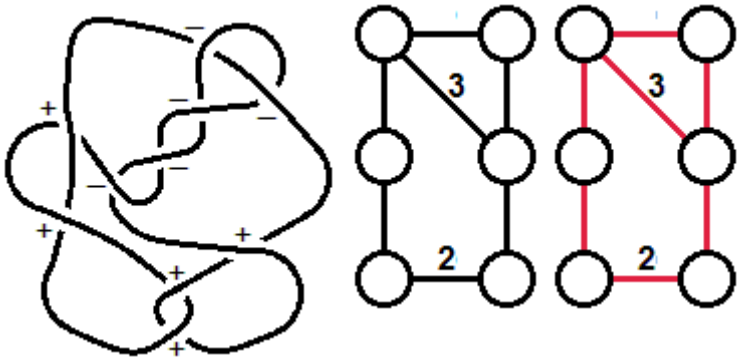


$\boldsymbol{v_{even}} = x_{10.36}$

$\boldsymbol{v_{odd}} = \pm y_{10.36}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$6x_{5.2} - 3x_{5.1} + 3x_{4.1} + x_{3.1}$
$\boldsymbol{v_5}$	$\pm(6y_{6.2} - 5y_{6.1} + y_{5.2})$
$\boldsymbol{v_6}$	$-3x_{7.7} - 2x_{7.6} - 4x_{7.5} + 4x_{7.2} - 3x_{6.3} + x_{6.1} - 11x_{5.2} + 9x_{5.1} - 4x_{4.1}$

10_{37}:

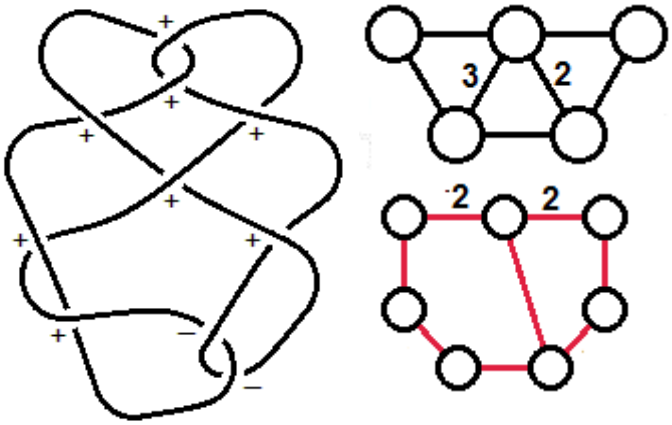


$v_{even} = x_{10.37}$

$v_{odd} = \pm y_{10.37}$

v_2	$3x_{3.1}$
v_3	0
v_4	$-8x_{5.2} + 4x_{5.1} - x_{4.1} + 6x_{3.1}$
v_5	0
v_6	$-x_{7.7} - 6x_{7.6} + 4x_{7.5} - 4x_{7.2} + 8x_{6.3} + 4x_{6.2} - 4x_{6.1} + 28x_{5.2} - 13x_{5.1} + 11x_{4.1} - 14x_{3.1}$

10_{38}:

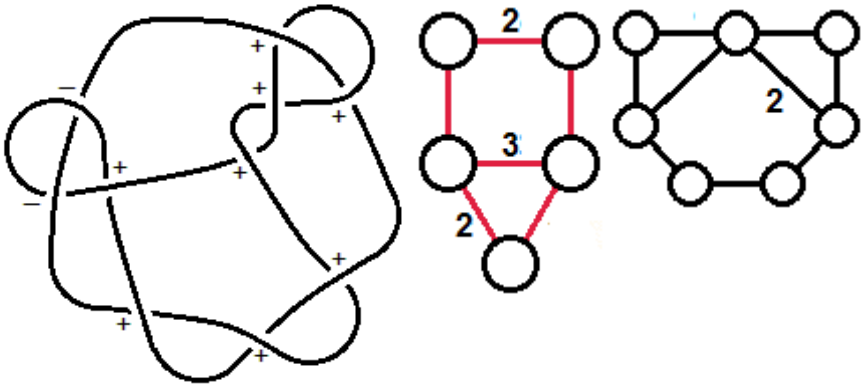


$v_{even} = x_{10.38}$

$v_{odd} = \pm y_{10.38}$

v_2	$-x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$4x_{5.2} - 4x_{5.1} + 9x_{4.1} + 12x_{3.1}$
v_5	$\pm(8y_{6.2} - 3y_{6.1} - y_{5.2} + 6y_{3.1})$
v_6	$-3x_{7.7} - 2x_{7.6} - 4x_{7.5} + 3x_{7.2} + 4x_{6.2} + 2x_{6.1} - 6x_{5.2} + 9x_{5.1} - 12x_{4.1} - 14x_{3.1}$

10_{39}:

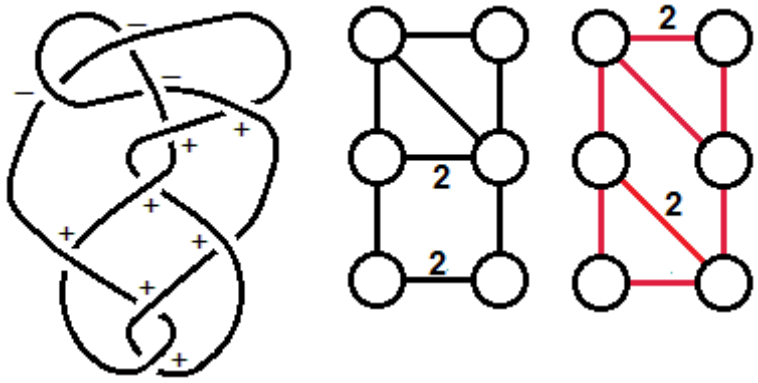


$\boldsymbol{v_{even}} = x_{10.39}$

$\boldsymbol{v_{odd}} = \pm y_{10.39}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm y_{3.1}$
$\boldsymbol{v_4}$	$6x_{5.2} - 4x_{5.1} + 6x_{4.1} + 7x_{3.1}$
$\boldsymbol{v_5}$	$\pm(8y_{6.2} - 4y_{6.1} + 2y_{5.2} - y_{5.1} + 4y_{3.1})$
$\boldsymbol{v_6}$	$2x_{7.7} - 4x_{7.6} + x_{7.3} + 2x_{7.2} - 2x_{7.1} - 3x_{6.3} + 11x_{6.2} - 2x_{6.1} - 8x_{5.2} + 12x_{5.1} - 21x_{4.1} - 23x_{3.1}$

10_{40}:

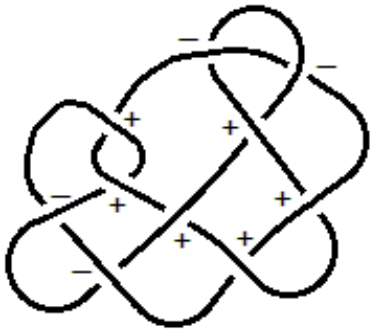


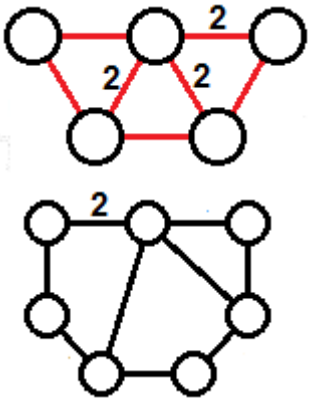
$v_{even} = x_{10.40}$

$v_{odd} = \pm y_{10.40}$

v_2	$3x_{3.1}$
v_3	$\pm 4y_{3.1}$
v_4	$-6x_{5.2} + 4x_{5.1} - 3x_{4.1}$
v_5	$\mp(4y_{6.2} - 3y_{6.1} + y_{5.2} - y_{5.1} - y_{3.1})$
v_6	$-4x_{7.7} + x_{7.6} - 2x_{7.5} - x_{7.3} - x_{7.2} + 2x_{7.1} + 8x_{6.3} - 6x_{6.2} + x_{6.1} + 15x_{5.2} - 9x_{5.1} + 17x_{4.1} + 4x_{3.1}$

$\mathbf{10_{41}}$:



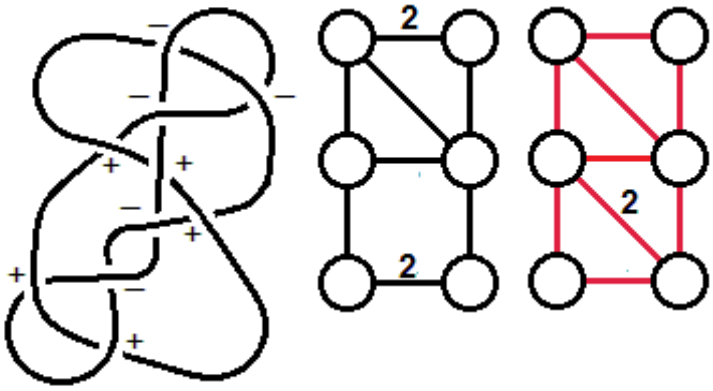


$\boldsymbol{v_{even}} = x_{10.41}$

$\boldsymbol{v_{odd}} = \pm y_{10.41}$

$\boldsymbol{v_2}$	$-2x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$-x_{5.2} - x_{5.1} + 7x_{4.1} + 10x_{3.1}$
$\boldsymbol{v_5}$	$\mp(y_{6.2} - 5y_{6.1} - y_{5.2} + y_{5.1} - 4y_{3.1})$
$\boldsymbol{v_6}$	$-10x_{7.7} + x_{7.6} - 5x_{7.5} + x_{7.3} + x_{7.2} + x_{7.1} + 3x_{6.3} - 10x_{6.2} + 7x_{6.1} - 3x_{5.2} + 7x_{4.1} + 7x_{3.1}$

10_{42}:

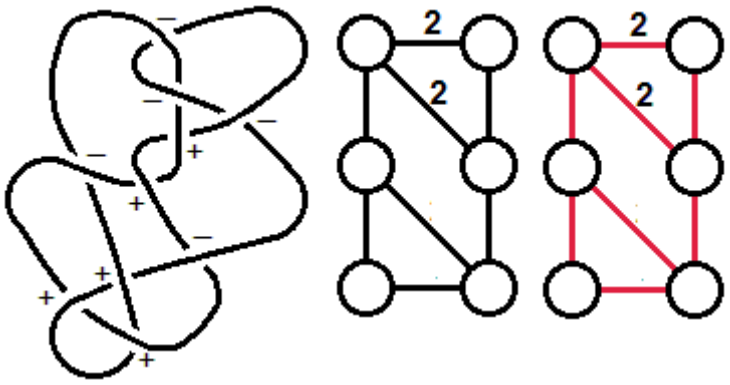


$v_{even} = x_{10.42}$

$v_{odd} = \pm y_{10.42}$

v_2	0
v_3	$\pm y_{3.1}$
v_4	$-x_{5.2} + x_{5.1} - 2x_{4.1} - 3x_{3.1}$
v_5	$\pm(2y_{6.2} - 3y_{6.1} - 2y_{5.2} + y_{5.1} + y_{3.1})$
v_6	$11x_{7.7} - x_{7.6} + 6x_{7.5} - x_{7.3} - 3x_{7.2} - x_{7.1} - x_{6.3} + 12x_{6.2} - 5x_{6.1} + 14x_{5.2} - 3x_{5.1} - 15x_{4.1} - 23x_{3.1}$

10_{43}:

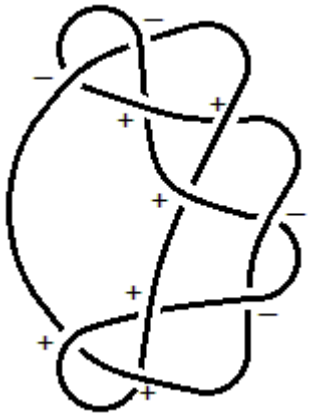


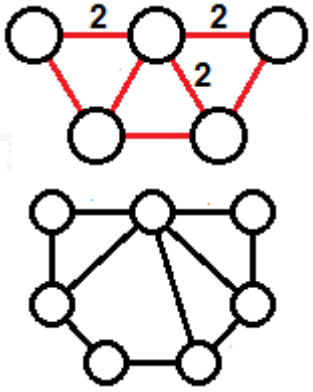
$v_{even} = x_{10.43}$

$v_{odd} = \pm y_{10.43}$

v_2	$+2x_{3.1}$
v_3	0
v_4	$-2x_{5.2} + x_{5.1} + 3x_{3.1}$
v_5	0
v_6	$5x_{7.7} - 4x_{7.6} + 6x_{7.5} - 4x_{7.2} - x_{7.1} + x_{6.3} + 8x_{6.2} - 4x_{6.1} + 20x_{5.2} - 8x_{5.1} - 5x_{4.1} - 17x_{3.1}$

10_{44}:



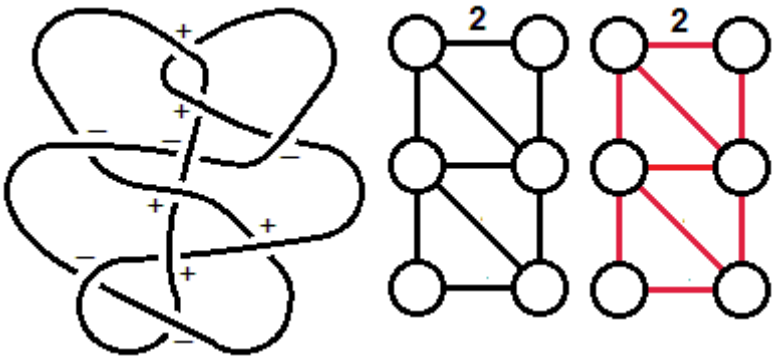


$v_{even} = x_{10.44}$

$v_{odd} = \pm y_{10.44}$

v_2	0
v_3	$\pm y_{3.1}$
v_4	$2x_{5.2} - x_{5.1} + x_{4.1}$
v_5	$\pm(y_{6.2} - y_{6.1} + y_{3.1})$
v_6	$-6x_{7.7} + x_{7.6} - 5x_{7.5} + 3x_{7.2} + x_{7.1} - 7x_{6.2} + 3x_{6.1} - 10x_{5.2} + 4x_{5.1} + 8x_{4.1} + 13x_{3.1}$

10_{45}:

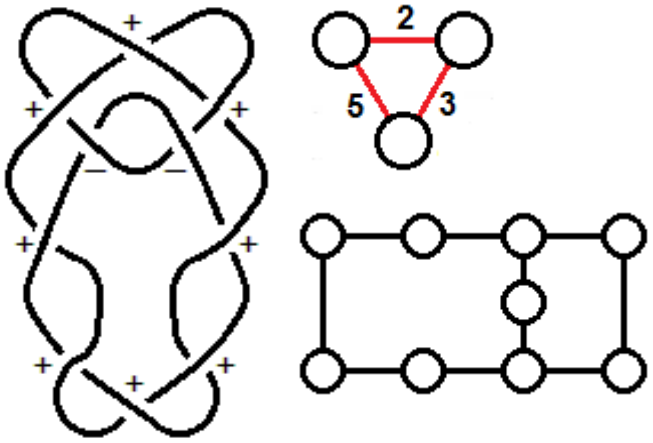


$v_{even} = x_{10.45}$

$v_{odd} = \pm y_{10.45}$

v_2	$-2x_{3.1}$
v_3	0
v_4	$-2x_{5.2} + x_{5.1} + 2x_{4.1} + x_{3.1}$
v_5	0
v_6	$6x_{7.7} + 4x_{7.5} - 2x_{7.2} - x_{7.1} - x_{6.3} + 6x_{6.2} - 2x_{6.1} + 4x_{5.2} - x_{5.1} - 7x_{4.1} - 9x_{3.1}$

10_{46}:

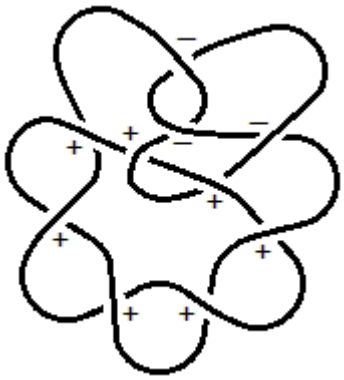


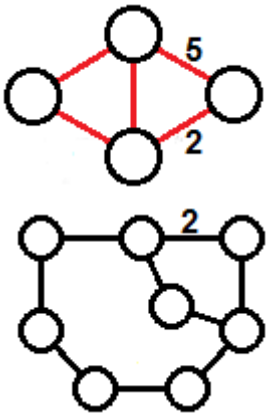
$v_{even} = x_{10.46}$

$v_{odd} = \pm y_{10.46}$

v_2	0
v_3	$\mp 4y_{3.1}$
v_4	$-6x_{5.1} + 18x_{4.1} + 36x_{3.1}$
v_5	$\pm(15y_{6.2} + 4y_{6.1} - 6y_{5.2} - 2y_{5.1} + 43y_{3.1})$
v_6	$\frac{1}{8}(148x_{7.7} + 29x_{7.6} + 2x_{7.5} + 16x_{7.3} - 19x_{7.2} - 40x_{7.1} - 11x_{6.3} + 297x_{6.2} + 10x_{6.1} - 74x_{5.2} + 305x_{5.1} - 831x_{4.1} - 942x_{3.1})$

$\mathbf{10_{47}}$:



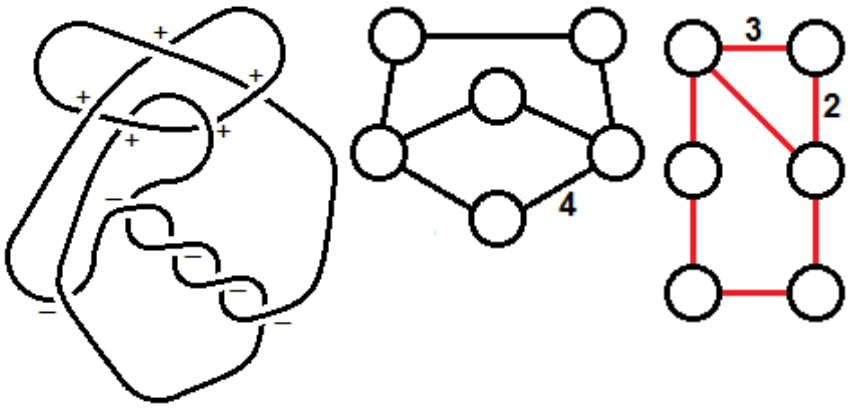


$\boldsymbol{v_{even}} = x_{10.47}$

$\boldsymbol{v_{odd}} = \pm y_{10.47}$

$\boldsymbol{v_2}$	$6x_{3.1}$
$\boldsymbol{v_3}$	$\pm 11y_{3.1}$
$\boldsymbol{v_4}$	$-12x_{5.2} + 8x_{5.1} + 3x_{4.1} + 9x_{3.1}$
$\boldsymbol{v_5}$	$\mp(10y_{6.2} - 16y_{6.1} + y_{5.2} - 3y_{5.1} - 5y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-348x_{7.7} + 109x_{7.6} - 134x_{7.5} + 48x_{7.3} - 19x_{7.2} + 40x_{7.1} + 253x_{6.3} - 359x_{6.2} + 90x_{6.1} - 98x_{5.2} - 119x_{5.1} + 793x_{4.1} + 618x_{3.1})$

10_{48}:

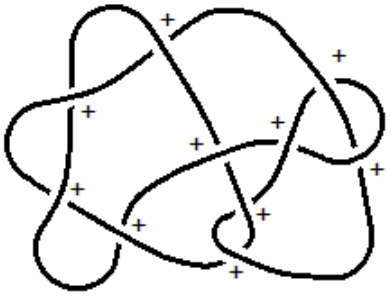


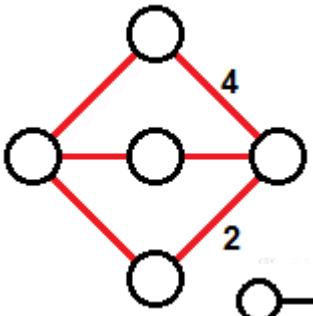
$v_{even} = x_{10.48}$

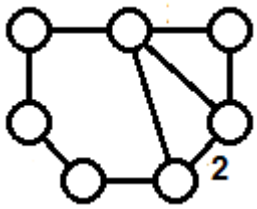
$v_{odd} = \pm y_{10.48}$

v_2	$4x_{3.1}$
v_3	0
v_4	$-17x_{5.2} + 8x_{5.1} - x_{4.1} + 13x_{3.1}$
v_5	$\mp(6y_{6.2} - 8y_{6.1} - 6y_{5.2} + 3y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(-220x_{7.7} + 13x_{7.6} - 102x_{7.5} + 8x_{7.3} + 13x_{7.2} + 40x_{7.1} + 221x_{6.3} - 207x_{6.2} + 26x_{6.1} + 86x_{5.2} - 143x_{5.1} + 633x_{4.1} + 402x_{3.1})$

10_{49}:





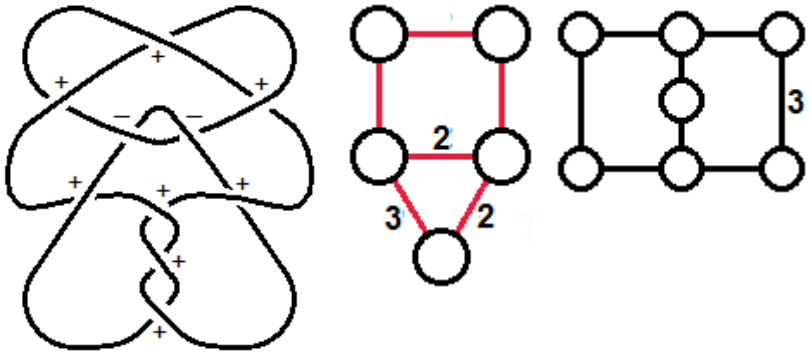


$\boldsymbol{v_{even}} = x_{10.49}$

$\boldsymbol{v_{odd}} = \pm y_{10.49}$

$\boldsymbol{v_2}$	$7x_{3.1}$
$\boldsymbol{v_3}$	$\pm 16y_{3.1}$
$\boldsymbol{v_4}$	$-12x_{5.2} + 10x_{5.1} + 3x_{4.1} + 4x_{3.1}$
$\boldsymbol{v_5}$	$\mp(15y_{6.2} - 26y_{6.1} + 14y_{5.2} - 9y_{5.1} - 24y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-268x_{7.7} + 373x_{7.6} - 110x_{7.5} + 64x_{7.3} - 147x_{7.2} + 24x_{7.1} + 181x_{6.3} - 383x_{6.2} + 242x_{6.1} - 258x_{5.2} + 129x_{5.1} + 65x_{4.1} - 54x_{3.1})$

10_{50}:

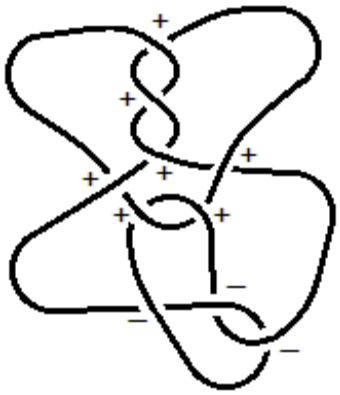


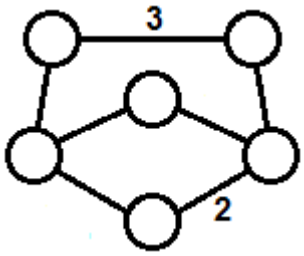
$\boldsymbol{v_{even}} = x_{10.50}$

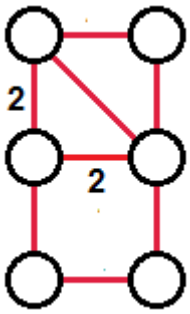
$\boldsymbol{v_{odd}} = \pm y_{10.50}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	$\mp 5y_{3.1}$
$\boldsymbol{v_4}$	$-x_{5.2} - 5x_{5.1} + 17x_{4.1} + 33x_{3.1}$
$\boldsymbol{v_5}$	$\pm(9y_{6.2} + 8y_{6.1} - 4y_{5.2} - 2y_{5.1} + 34y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(64x_{7.7} + 50x_{7.6} - 20x_{7.5} + 12x_{7.3} - 26x_{7.2} - 16x_{7.1} + 26x_{6.3} + 150x_{6.2} + 56x_{6.1} + 16x_{5.2} + 166x_{5.1} - 570x_{4.1} - 664x_{3.1})$

$\mathbf{10_{51}}$:





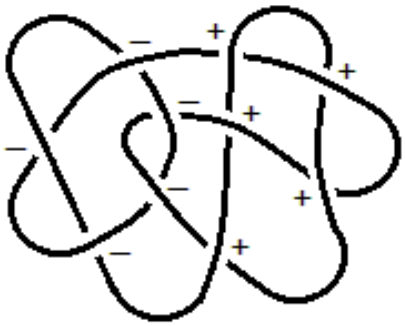


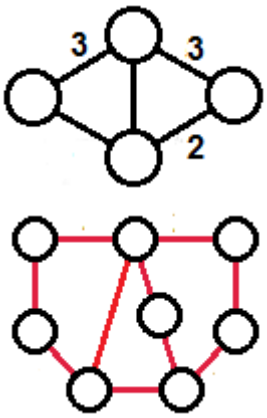
$\boldsymbol{v_{even}} = x_{10.51}$

$\boldsymbol{v_{odd}} = \pm y_{10.51}$

$\boldsymbol{v_2}$	$5x_{3.1}$
$\boldsymbol{v_3}$	$\pm 8y_{3.1}$
$\boldsymbol{v_4}$	$-8x_{5.2} + 5x_{5.1} + 3x_{4.1} + 9x_{3.1}$
$\boldsymbol{v_5}$	$\mp(8y_{6.2} - 13y_{6.1} - 3y_{5.2} - 4y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-240x_{7.7} + 58x_{7.6} - 68x_{7.5} + 44x_{7.3} - 26x_{7.2} + 16x_{7.1} + 170x_{6.3} - 234x_{6.2} + 56x_{6.1} - 48x_{5.2} - 98x_{5.1} + 534x_{4.1} + 408x_{3.1})$

10_{52}:



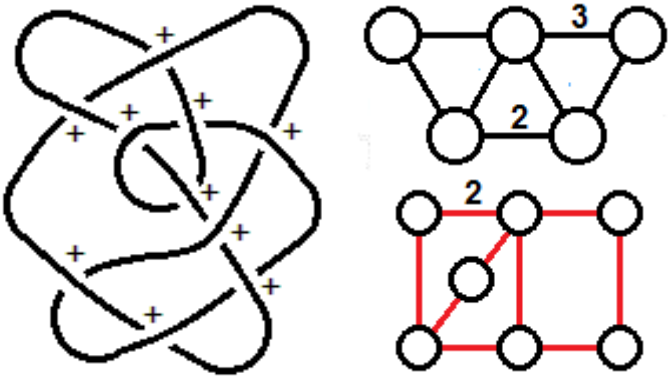


$v_{even} = x_{10.52}$

$v_{odd} = \pm y_{10.52}$

v_2	$3x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$-10x_{5.2} + 5x_{5.1} - 2x_{4.1} + 6x_{3.1}$
v_5	$\pm(8y_{6.2} - 10y_{6.1} - 6y_{5.2} + 3y_{5.1})$
v_6	$\frac{1}{8}(-32x_{7.7} - 6x_{7.6} - 4x_{7.5} - 4x_{7.3} - 26x_{7.2} + 16x_{7.1} + 114x_{6.3} - 26x_{6.2} - 16x_{6.1} + 232x_{5.2} - 138x_{5.1} + 214x_{4.1} + 8x_{3.1})$

10_{53}:

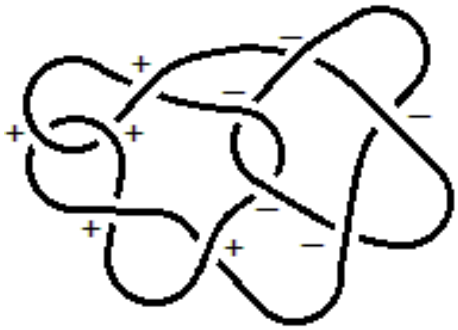


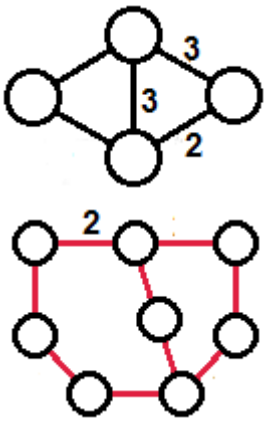
$v_{even} = x_{10.53}$

$v_{odd} = \pm y_{10.53}$

v_2	$6x_{3.1}$
v_3	$\pm 13y_{3.1}$
v_4	$-6x_{5.2} + 6x_{5.1} + 3x_{4.1} + 3x_{3.1}$
v_5	$\mp(9y_{6.2} - 17y_{6.1} + 6y_{5.2} - 5y_{5.1} - 14y_{3.1})$
v_6	$\frac{1}{8}(-152x_{7.7} + 218x_{7.6} - 44x_{7.5} + 52x_{7.3} - 98x_{7.2} + 90x_{6.3} - 210x_{6.2} + 144x_{6.1} - 192x_{5.2} + 102x_{5.1} - 26x_{4.1} - 72x_{3.1})$

$\mathbf{10_{54}}$:



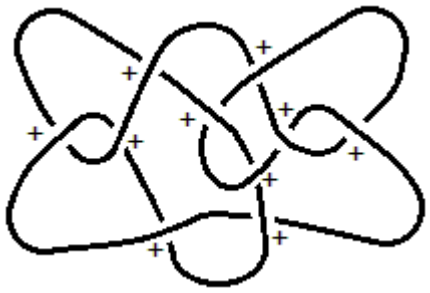


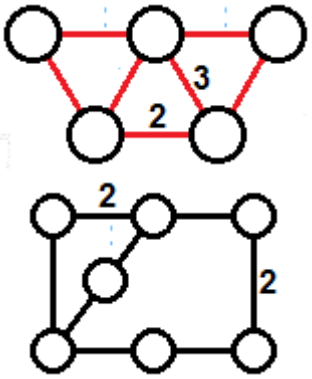
$\boldsymbol{v_{even}} = x_{10.54}$

$\boldsymbol{v_{odd}} = \pm y_{10.54}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$-13x_{5.2} + 6x_{5.1} + x_{4.1} + 13x_{3.1}$
$\boldsymbol{v_5}$	$\pm(3y_{6.2} - 4y_{6.1} - 3y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-176x_{7.7} - 14x_{7.6} - 44x_{7.5} + 20x_{7.3} - 10x_{7.2} + 16x_{7.1} + 154x_{6.3} - 138x_{6.2} + 8x_{6.1} + 64x_{5.2} - 114x_{5.1} + 470x_{4.1} + 288x_{3.1})$

$\mathbf{10_{55}}$:



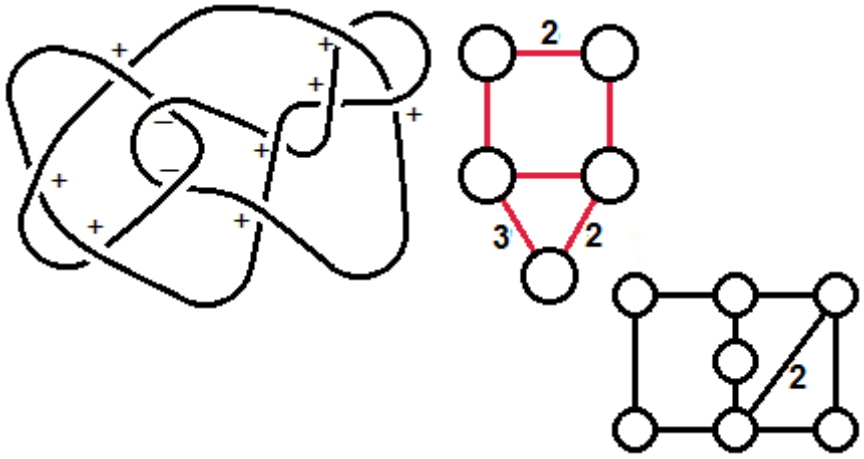


$\boldsymbol{v_{even}} = x_{10.55}$

$\boldsymbol{v_{odd}} = \pm y_{10.55}$

$\boldsymbol{v_2}$	$5x_{3.1}$
$\boldsymbol{v_3}$	$\pm 10y_{3.1}$
$\boldsymbol{v_4}$	$-6x_{5.2} + 5x_{5.1} + x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(10y_{6.2} - 16y_{6.1} + 6y_{5.2} - 3y_{5.1} - 19y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-104x_{7.7} + 194x_{7.6} - 20x_{7.5} + 36x_{7.3} - 106x_{7.2} + 74x_{6.3} - 170x_{6.2} + 136x_{6.1} - 48x_{5.2} + 62x_{5.1} - 114x_{4.1} - 216x_{3.1})$

$\mathbf{10_{56}}$:

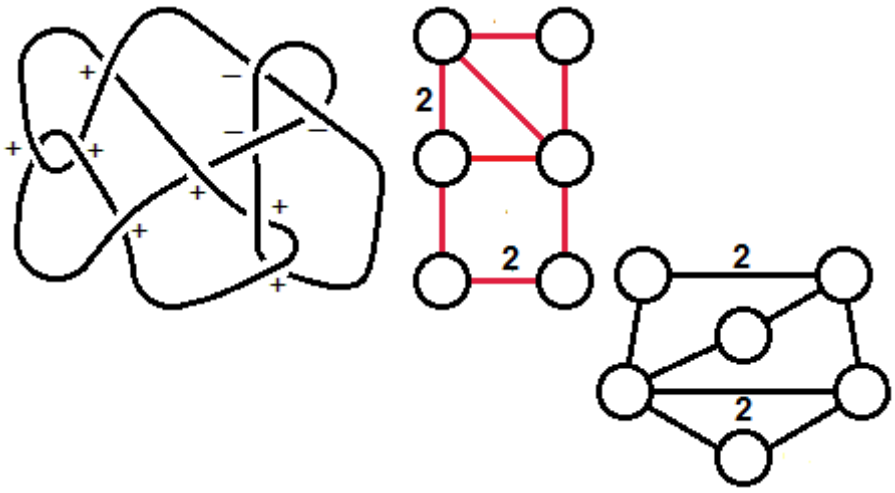


$\boldsymbol{v_{even}} = x_{10.56}$

$\boldsymbol{v_{odd}} = \pm y_{10.56}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$2x_{5.2} - 4x_{5.1} + 10x_{4.1} + 18x_{3.1}$
$\boldsymbol{v_5}$	$\pm(10y_{6.2} - 2y_{6.1} - 4y_{5.2} + 18y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(48x_{7.7} - 22x_{7.6} - 4x_{7.5} + 4x_{7.3} - 44x_{7.2} - 16x_{7.1} - 30x_{6.3} + 126x_{6.2} + 50x_{6.1} + 210x_{5.2} + 134x_{5.1} - 580x_{4.1} - 852x_{3.1})$

$\mathbf{10_{57}}$:

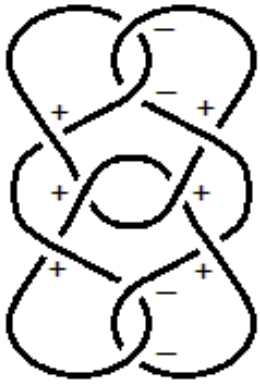


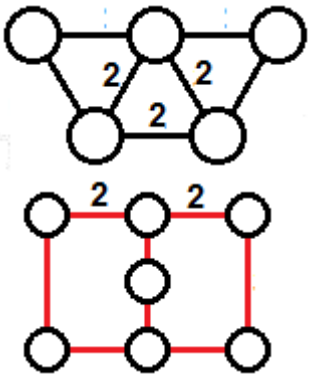
$\boldsymbol{v_{even}} = x_{10.57}$

$\boldsymbol{v_{odd}} = \pm y_{10.57}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	$\pm 6y_{3.1}$
$\boldsymbol{v_4}$	$-6x_{5.2} + 4x_{5.1} + 4x_{3.1}$
$\boldsymbol{v_5}$	$\mp(6y_{6.2} - 8y_{6.1} - 2y_{5.2} - 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-152x_{7.7} + 42x_{7.6} - 52x_{7.5} + 20x_{7.3} - 10x_{7.2} + 16x_{7.1} + 114x_{6.3} - 162x_{6.2} + 48x_{6.1} - 8x_{5.2} - 66x_{5.1} + 326x_{4.1} + 240x_{3.1})$

10_{58}:



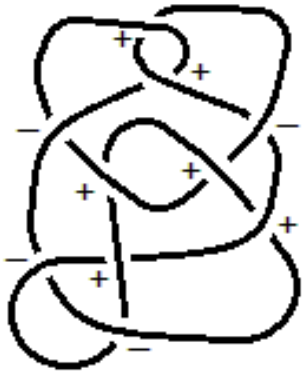


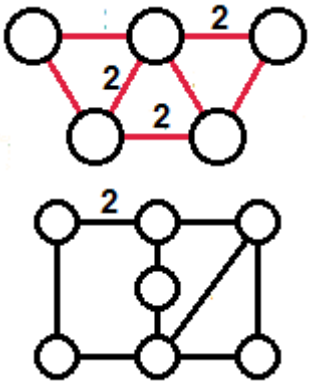
$v_{even} = x_{10.58}$

$v_{odd} = \pm y_{10.58}$

v_2	$-4x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$-10x_{5.2} + 3x_{5.1} + 11x_{4.1} + 18x_{3.1}$
v_5	$\mp(2y_{6.2} - 4y_{6.1} + y_{5.2} - 4y_{3.1})$
v_6	$\frac{1}{8}(36x_{7.7} - 73x_{7.6} + 30x_{7.5} - 8x_{7.3} - 25x_{7.2} - 41x_{6.3} + 3x_{6.2} + 62x_{6.1} + 282x_{5.2} - 85x_{5.1} - 197x_{4.1} - 266x_{3.1})$

10_{59}:



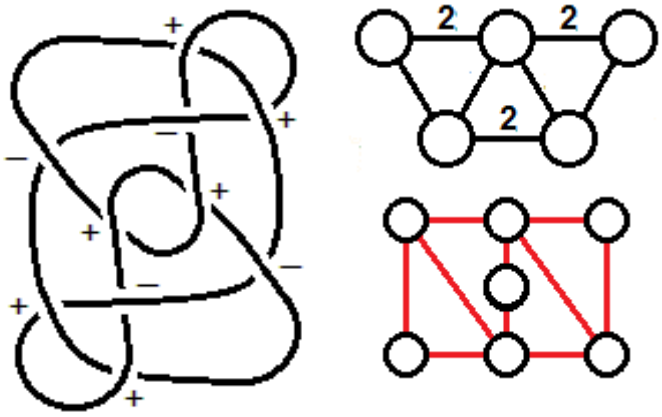


$\boldsymbol{v_{even}} = x_{10.59}$

$\boldsymbol{v_{odd}} = \pm y_{10.59}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	$\mp y_{3.1}$
$\boldsymbol{v_4}$	$-x_{5.1} + 4x_{4.1} + 6x_{3.1}$
$\boldsymbol{v_5}$	$\pm(y_{6.2} + y_{6.1} - y_{5.2} + 4y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-36x_{7.7} - 9x_{7.6} - 26x_{7.5} + 7x_{7.2} + 8x_{7.1} + 7x_{6.3} - 37x_{6.2} + 22x_{6.1} + 26x_{5.2} - 13x_{5.1} + 43x_{4.1} + 30x_{3.1})$

10_{60}:

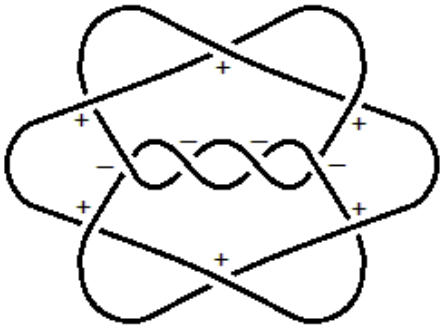


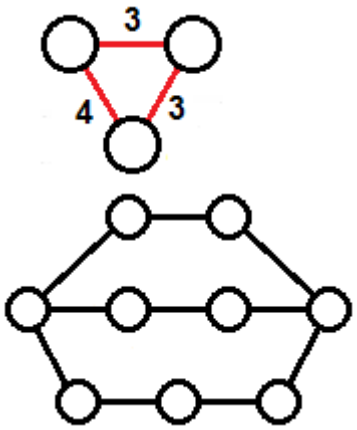
$v_{even} = x_{10.60}$

$v_{odd} = \pm y_{10.60}$

v_2	$-x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$-3x_{5.2} + x_{5.1} + x_{4.1} + 3x_{3.1}$
v_5	$\mp(2y_{6.2} - 3y_{6.1} + y_{5.2} - 3y_{3.1})$
v_6	$\frac{1}{8}(-12x_{7.7} - 9x_{7.6} + 6x_{7.5} + 8x_{7.3} - x_{7.2} - 8x_{7.1} - 17x_{6.3} - 5x_{6.2} + 14x_{6.1} - 62x_{5.2} + 35x_{5.1} - 53x_{4.1} - 18x_{3.1})$

10_{61}:



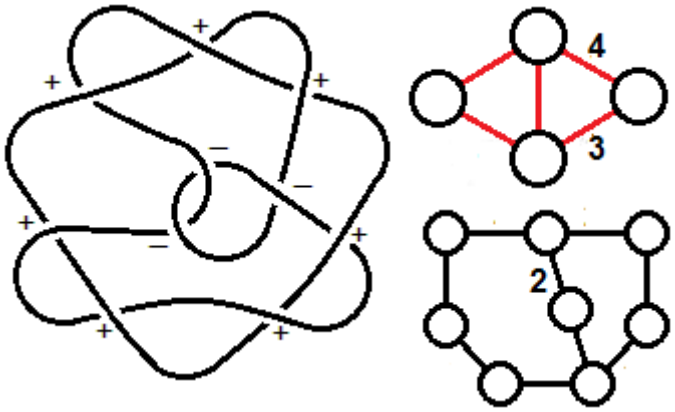


$\boldsymbol{v_{even}} = x_{10.61}$

$\boldsymbol{v_{odd}} = \pm y_{10.61}$

$\boldsymbol{v_2}$	$-4x_{3.1}$
$\boldsymbol{v_3}$	$\mp 5y_{3.1}$
$\boldsymbol{v_4}$	$4x_{5.2} - 7x_{5.1} + 27x_{4.1} + 36x_{3.1}$
$\boldsymbol{v_5}$	$\pm(18y_{6.2} - 8y_{6.1} - 9y_{5.2} + 4y_{5.1} + 12y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(108x_{7.7} - 13x_{7.6} + 22x_{7.5} - 40x_{7.3} + 35x_{7.2} - 16x_{7.1} - 29x_{6.3} + 287x_{6.2} + 54x_{6.1} - 46x_{5.2} + 255x_{5.1} - 793x_{4.1} - 850x_{3.1})$

10_{62}:

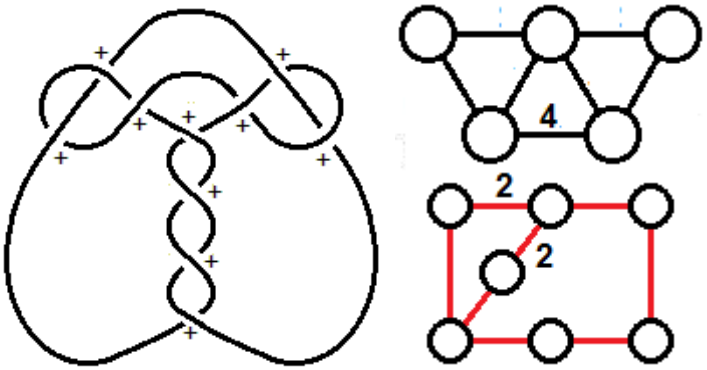


$v_{even} = x_{10.62}$

$v_{odd} = \pm y_{10.62}$

v_2	$5x_{3.1}$
v_3	$\pm 9y_{3.1}$
v_4	$-11x_{5.2} + 8x_{5.1} - 3x_{4.1}$
v_5	$\mp(8y_{6.2} - 8y_{6.1} + 4y_{5.2} - 4y_{5.1} - y_{3.1})$
v_6	$\frac{1}{8}(-132x_{7.7} + 51x_{7.6} - 66x_{7.5} - 8x_{7.3} - 13x_{7.2} + 40x_{7.1} + 163x_{6.3} - 153x_{6.2} + 38x_{6.1} + 154x_{5.2} - 121x_{5.1} + 375x_{4.1} + 150x_{3.1})$

10_{63}:

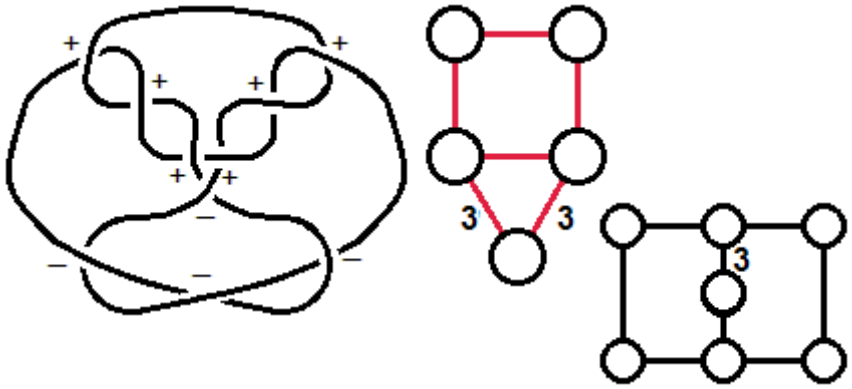


$v_{even} = x_{10.63}$

$v_{odd} = \pm y_{10.63}$

v_2	$6x_{3.1}$
v_3	$\pm 14y_{3.1}$
v_4	$-x_{5.2} + 5x_{5.1} + x_{4.1} - 6x_{3.1}$
v_5	$\mp(4y_{6.2} - 8y_{6.1} + 2y_{5.2} - 6y_{5.1} + 6y_{3.1})$
v_6	$\frac{1}{8}(-44x_{7.7} + 115x_{7.6} - 10x_{7.5} + 24x_{7.3} - 61x_{7.2} + 19x_{6.3} - 81x_{6.2} + 86x_{6.1} - 54x_{5.2} + 71x_{5.1} - 169x_{4.1} - 210x_{3.1})$

10_{64}:

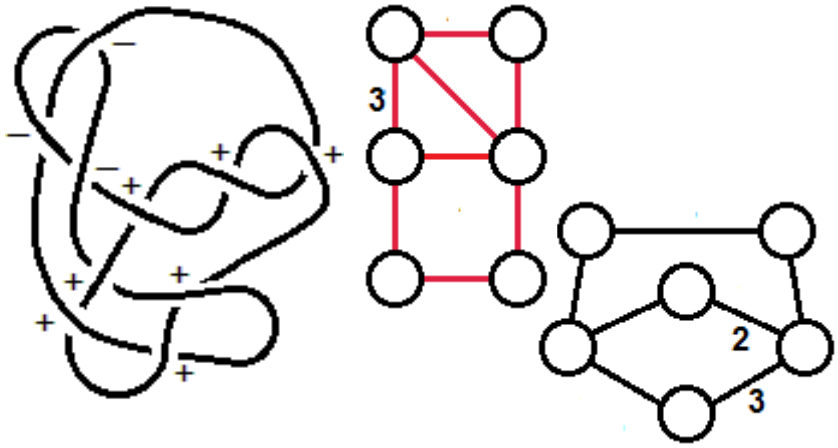


$v_{even} = x_{10.64}$

$v_{odd} = \pm y_{10.64}$

v_2	$-3x_{3.1}$
v_3	$\mp 3y_{3.1}$
v_4	$9x_{5.2} - 8x_{5.1} + 21x_{4.1} + 24x_{3.1}$
v_5	$\pm(10y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + 4y_{3.1})$
v_6	$\frac{1}{8}(76x_{7.7} - 13x_{7.6} + 78x_{7.5} - 8x_{7.3} + 3x_{7.2} - 40x_{7.1} - 37x_{6.3} + 279x_{6.2} - 10x_{6.1} - 166x_{5.2} + 223x_{5.1} - 577x_{4.1} - 594x_{3.1})$

10_{65}:

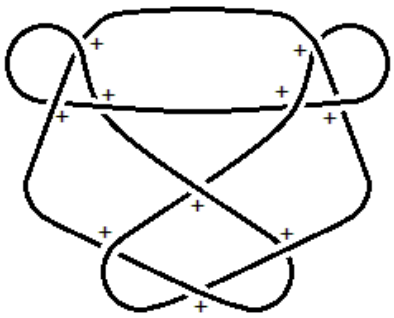


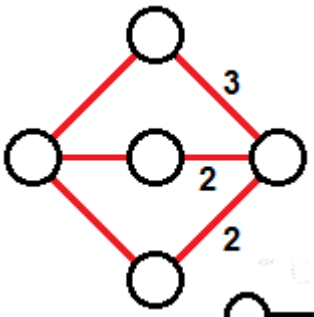
$v_{even} = x_{10.65}$

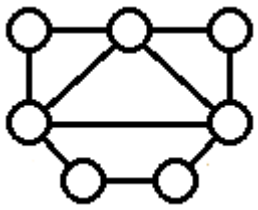
$v_{odd} = \pm y_{10.65}$

v_2	$4x_{3.1}$
v_3	$\pm 7y_{3.1}$
v_4	$-6x_{5.2} + 5x_{5.1} - 3x_{4.1} - 2x_{3.1}$
v_5	$\mp(4y_{6.2} - 4y_{6.1} + y_{5.2} - 2y_{5.1})$
v_6	$\frac{1}{8}(-20x_{7.7} + 27x_{7.6} - 10x_{7.5} - 8x_{7.3} - 21x_{7.2} + 16x_{7.1} + 91x_{6.3} - 25x_{6.2} + 6x_{6.1} + 162x_{5.2} - 73x_{5.1} + 95x_{4.1} - 82x_{3.1})$

$\mathbf{10_{66}}$:





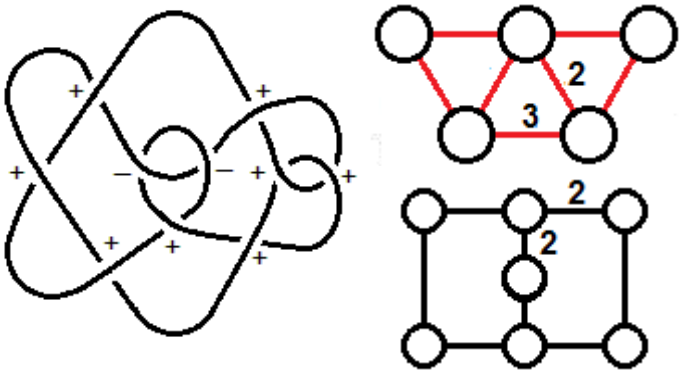


$\boldsymbol{v_{even}} = x_{10.66}$

$\boldsymbol{v_{odd}} = \pm y_{10.66}$

$\boldsymbol{v_2}$	$7x_{3.1}$
$\boldsymbol{v_3}$	$\pm 17y_{3.1}$
$\boldsymbol{v_4}$	$-6x_{5.2} + 9x_{5.1} - 8x_{3.1}$
$\boldsymbol{v_5}$	$\mp(7y_{6.2} - 10y_{6.1} + 8y_{5.2} - 11y_{5.1} + 11y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-116x_{7.7} + 147x_{7.6} - 50x_{7.5} + 16x_{7.3} - 53x_{7.2} + 24x_{7.1} + 59x_{6.3} - 169x_{6.2} + 110x_{6.1} - 110x_{5.2} + 55x_{5.1} + 7x_{4.1} - 18x_{3.1})$

$\mathbf{10_{67}}$:

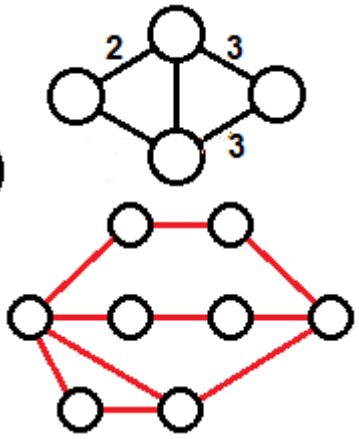


$\boldsymbol{v_{even}} = x_{10.67}$

$\boldsymbol{v_{odd}} = \pm y_{10.67}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$6x_{5.2} - 4x_{5.1} + 6x_{4.1} + 6x_{3.1}$
$\boldsymbol{v_5}$	$\pm(4y_{6.2} + 4y_{5.2} - 2y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$-6x_{7.7} - 4x_{7.5} + x_{7.3} + 2x_{7.2} + 2x_{6.3} - x_{6.2} + 2x_{6.1} - 6x_{5.2} + 5x_{5.1} - 3x_{3.1}$

10_{68}:

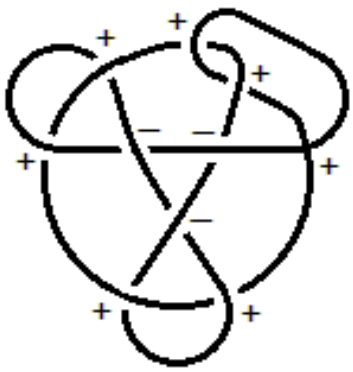


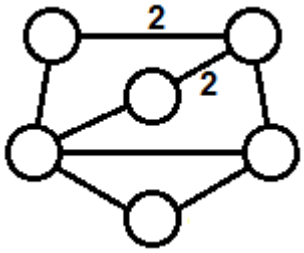
$v_{even} = x_{10.68}$

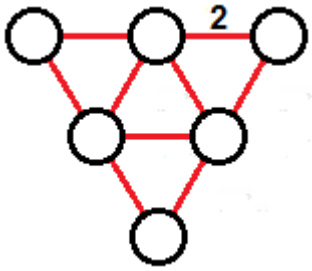
$v_{odd} = \pm y_{10.68}$

v_2	$2x_{3.1}$
v_3	$\pm 3y_{3.1}$
v_4	$-5x_{5.2} + 4x_{5.1} - 6x_{4.1} - 6x_{3.1}$
v_5	$\pm(4y_{6.2} - 8y_{6.1} - 7y_{5.2} + 4y_{5.1})$
v_6	$24x_{7.7} - 7x_{7.6} + 10x_{7.5} - 5x_{7.3} - 4x_{7.2} - x_{6.3} + 26x_{6.2} - 11x_{6.1} + 46x_{5.2} - 10x_{5.1} - 30x_{4.1} - 57x_{3.1}$

10_{69}:





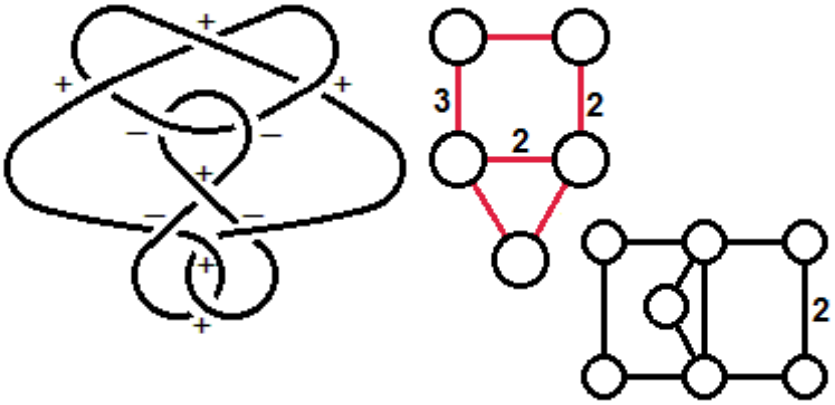


$\boldsymbol{v_{even}} = x_{10.69}$

$\boldsymbol{v_{odd}} = \pm y_{10.69}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 4y_{3.1}$
$\boldsymbol{v_4}$	$5x_{5.2} - x_{5.1} - x_{4.1} - 6x_{3.1}$
$\boldsymbol{v_5}$	$\pm(y_{6.2} - 2y_{6.1} + 6y_{5.2} - y_{5.1} - 10y_{3.1})$
$\boldsymbol{v_6}$	$-4x_{7.7} + x_{7.6} - 3x_{7.5} + 2x_{7.2} + x_{7.1} + 3x_{6.3} - 5x_{6.2} + x_{6.1} + x_{5.2} - 3x_{5.1} + 12x_{4.1} + 10x_{3.1}$

10_{70}:

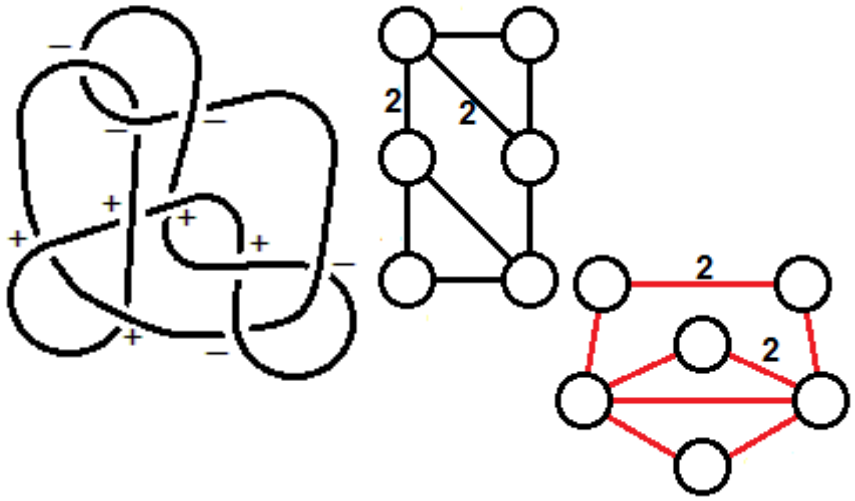


$v_{even} = x_{10.70}$

$v_{odd} = \pm y_{10.70}$

v_2	$-3x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$-2x_{5.2} - x_{5.1} + 11x_{4.1} + 15x_{3.1}$
v_5	$\pm(y_{6.2} + 3y_{6.1} - y_{5.2} + 5y_{3.1})$
v_6	$\frac{1}{8}(-84x_{7.7} - 3x_{7.6} - 38x_{7.5} + 4x_{7.3} + 9x_{7.2} + 8x_{7.1} + 21x_{6.3} - 75x_{6.2} + 78x_{6.1} + 10x_{5.2} + 5x_{5.1} - 11x_{4.1} - 34x_{3.1})$

10_{71}:

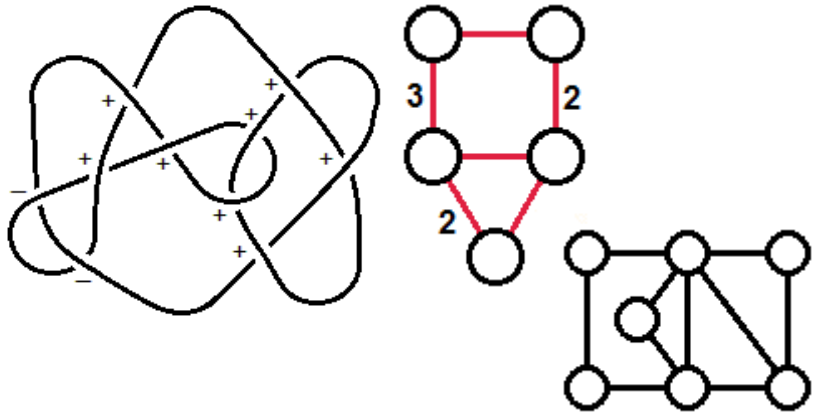


$v_{even} = x_{10.71}$

$v_{odd} = \pm y_{10.71}$

v_2	$x_{3.1}$
v_3	0
v_4	$-x_{5.2} + x_{5.1} - 2x_{4.1} - 2x_{3.1}$
v_5	0
v_6	$\frac{1}{8}(52x_{7.7} - 19x_{7.6} + 42x_{7.5} - 4x_{7.3} - 23x_{7.2}$ $- 8x_{7.1} - 3x_{6.3} + 69x_{6.2} - 26x_{6.1}$ $+ 114x_{5.2} - 27x_{5.1} - 99x_{4.1} - 178x_{3.1})$

10_{72}:

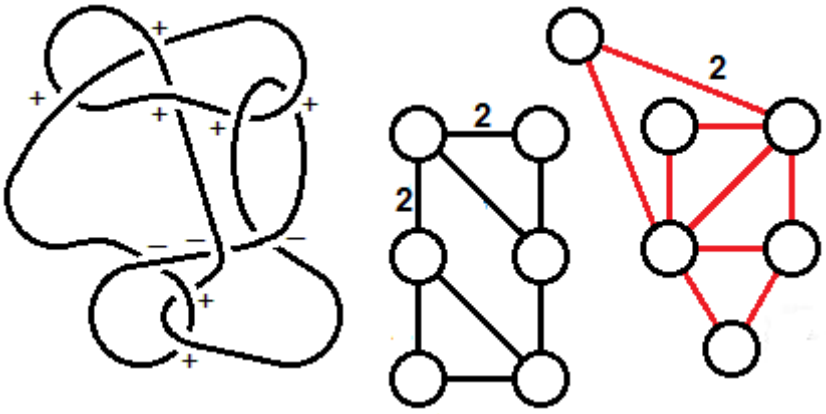


$v_{even} = x_{10.72}$

$v_{odd} = \pm y_{10.72}$

v_2	$2x_{3.1}$
v_3	$\pm 4y_{3.1}$
v_4	$8x_{5.2} - 3x_{5.1} + 2x_{4.1} - 3x_{3.1}$
v_5	$\pm(9y_{6.2} - 10y_{6.1} + 2y_{5.2} + y_{5.1} - 8y_{3.1})$
v_6	$\frac{1}{8}(44x_{7.7} - 59x_{7.6} + 10x_{7.5} - 4x_{7.3} + 41x_{7.2} - 16x_{7.1} - 75x_{6.3} + 101x_{6.2} - 34x_{6.1} - 118x_{5.2} + 117x_{5.1} - 171x_{4.1} - 106x_{3.1})$

10_{73}:

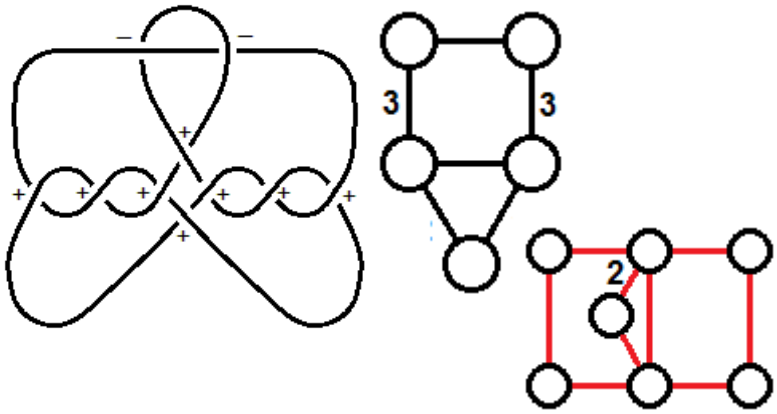


$v_{even} = x_{10.73}$

$v_{odd} = \pm y_{10.73}$

v_2	$x_{3.1}$
v_3	$\pm 2y_{3.1}$
v_4	$4x_{5.2} - x_{5.1} - x_{4.1} - 5x_{3.1}$
v_5	$\pm(3y_{6.2} - 5y_{6.1} + 3y_{5.2} - 9y_{3.1})$
v_6	$\frac{1}{8}(20x_{7.7} - 19x_{7.6} - 6x_{7.5} - 12x_{7.3} + 17x_{7.2} + 8x_{7.1} + 5x_{6.3} + 21x_{6.2} - 26x_{6.1} + 66x_{5.2} - 35x_{5.1} + 61x_{4.1} + 30x_{3.1})$

10_{74}:

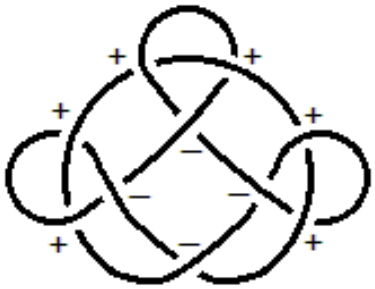


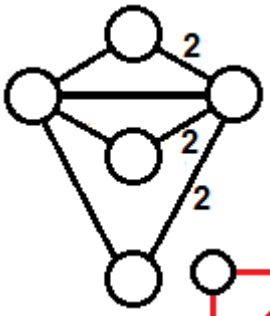
$\boldsymbol{v_{even}} = x_{10.74}$

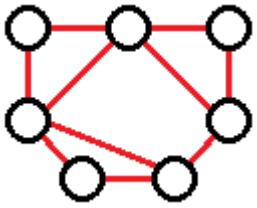
$\boldsymbol{v_{odd}} = \pm y_{10.74}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$2x_{5.2} - 4x_{5.1} + 10x_{4.1} + 18x_{3.1}$
$\boldsymbol{v_5}$	$\pm(5y_{6.2} - 5y_{6.1} - y_{5.2} + y_{5.1} - 4y_{3.1})$
$\boldsymbol{v_6}$	$-60x_{7.7} - 9x_{7.6} - 50x_{7.5} + 5x_{7.3} + 20x_{7.2}$ $- 11x_{6.3} - 38x_{6.2} + 53x_{6.1} - 67x_{5.2}$ $+ 110x_{5.1} - 134x_{4.1} - 187x_{3.1}$

10_{75}:





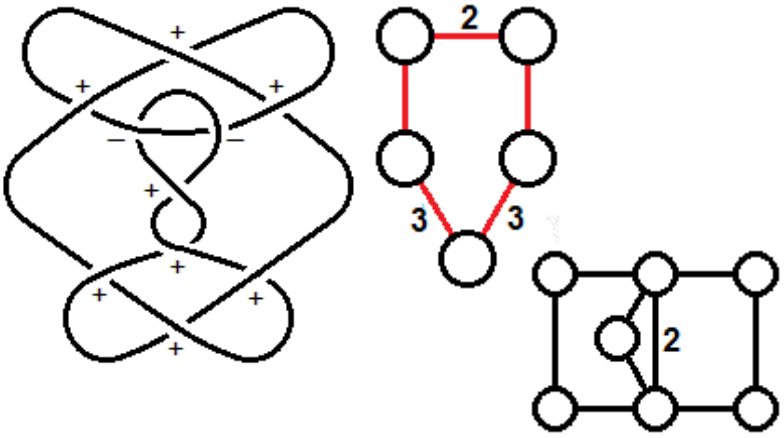


$\boldsymbol{v_{even}} = x_{10.75}$

$\boldsymbol{v_{odd}} = \pm y_{10.75}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	$\mp y_{3.1}$
$\boldsymbol{v_4}$	$-3x_{5.2} + x_{5.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(3y_{5.2} - y_{5.1} - 3y_{3.1})$
$\boldsymbol{v_6}$	$4x_{7.7} - x_{7.6} + 2x_{7.5} - x_{7.1} - 3x_{6.3} + 5x_{6.2} - x_{6.1} - 6x_{5.2} + 5x_{5.1} - 12x_{4.1} - 6x_{3.1}$

10_{76}:

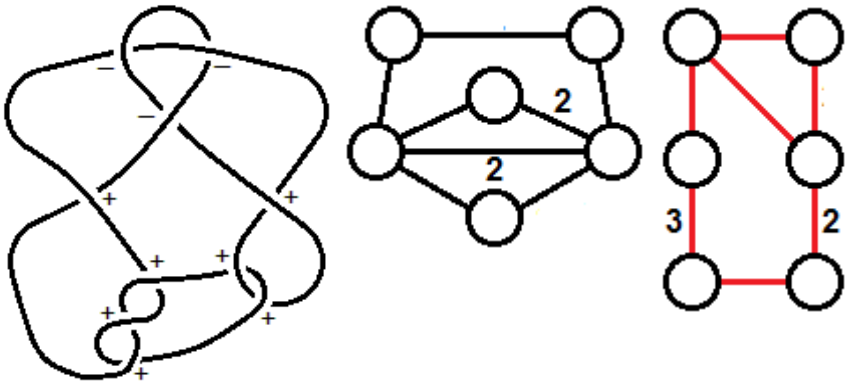


$v_{even} = x_{10.76}$

$v_{odd} = \pm y_{10.76}$

v_2	$-2x_{3.1}$
v_3	$\mp 6y_{3.1}$
v_4	$-x_{5.2} - 5x_{5.1} + 19x_{4.1} + 34x_{3.1}$
v_5	$\pm(12y_{6.2} + 4y_{6.1} - 6y_{5.2} + 28y_{3.1})$
v_6	$\frac{1}{8}(76x_{7.7} + 31x_{7.6} - 18x_{7.5} - x_{7.2} - 16x_{7.1} - x_{6.3} + 179x_{6.2} + 62x_{6.1} - 46x_{5.2} + 211x_{5.1} - 653x_{4.1} - 690x_{3.1})$

10_{77}:

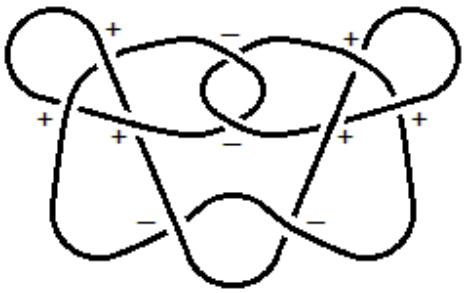


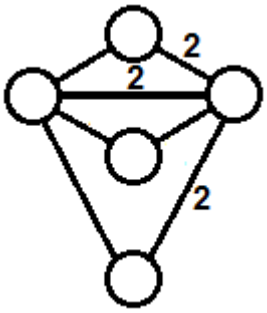
$\boldsymbol{v_{even}} = x_{10.77}$

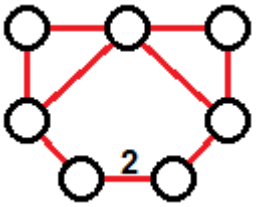
$\boldsymbol{v_{odd}} = \pm y_{10.77}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	$\pm 5y_{3.1}$
$\boldsymbol{v_4}$	$-9x_{5.2} + 5x_{5.1} + 7x_{3.1}$
$\boldsymbol{v_5}$	$\mp(5y_{6.2} - 6y_{6.1} + y_{5.2} - y_{5.1} - 4y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-100x_{7.7} + 7x_{7.6} - 26x_{7.5} + 8x_{7.3} - 17x_{7.2} + 16x_{7.1} + 111x_{6.3} - 93x_{6.2} + 6x_{6.1} + 98x_{5.2} - 101x_{5.1} + 315x_{4.1} + 174x_{3.1})$

10_{78}:





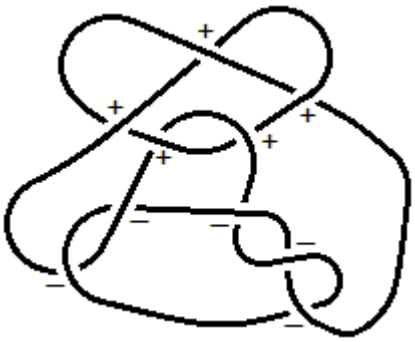


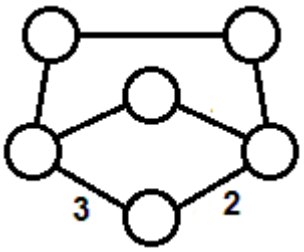
$\boldsymbol{v_{even}} = x_{10.78}$

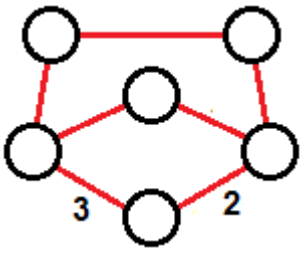
$\boldsymbol{v_{odd}} = \pm y_{10.78}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\pm 5y_{3.1}$
$\boldsymbol{v_4}$	$-x_{5.2} + x_{5.1} + x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(4y_{6.2} - 7y_{6.1} + y_{5.2} - 11y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-20x_{7.7} + 63x_{7.6} + 6x_{7.5} + 16x_{7.3} - 41x_{7.2} - 8x_{7.1} + 7x_{6.3} - 37x_{6.2} + 46x_{6.1} - 30x_{5.2} + 43x_{5.1} - 109x_{4.1} - 122x_{3.1})$

10_{79}:





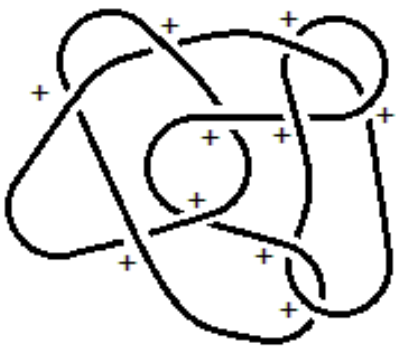


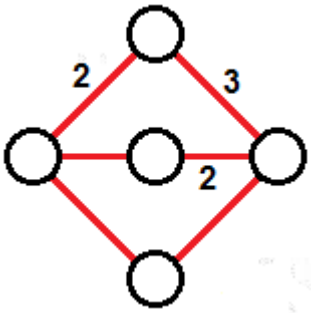
$\boldsymbol{v_{even}} = x_{10.79}$

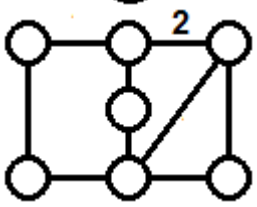
$\boldsymbol{v_{odd}} = \pm y_{10.79}$

$\boldsymbol{v_2}$	$5x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-21x_{5.2} + 9x_{5.1} + 4x_{4.1} + 24x_{3.1}$
$\boldsymbol{v_5}$	0
$\boldsymbol{v_6}$	$\frac{1}{8}(-468x_{7.7} + 31x_{7.6} - 170x_{7.5} + 56x_{7.3} + 31x_{7.2} + 40x_{7.1} + 311x_{6.3} - 413x_{6.2} + 62x_{6.1} - 222x_{5.2} - 125x_{5.1} + 1139x_{4.1} + 966x_{3.1})$

$\mathbf{10_{80}}$:





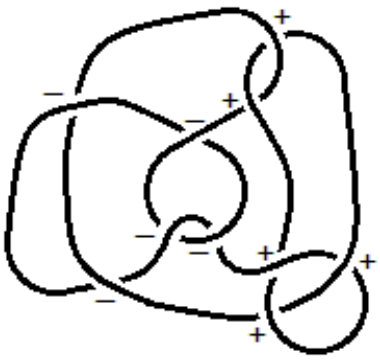


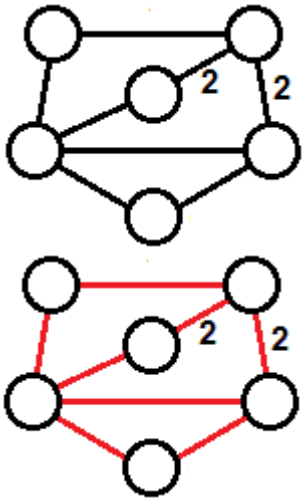
$\boldsymbol{v_{even}} = x_{10.80}$

$\boldsymbol{v_{odd}} = \pm y_{10.80}$

$\boldsymbol{v_2}$	$6x_{3.1}$
$\boldsymbol{v_3}$	$\pm 12y_{3.1}$
$\boldsymbol{v_4}$	$-15x_{5.2} + 9x_{5.1} + 3x_{4.1} + 12x_{3.1}$
$\boldsymbol{v_5}$	$\mp(19y_{6.2} - 32y_{6.1} + 16y_{5.2} - 5y_{5.1} - 48y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-280x_{7.7} + 436x_{7.6} - 120x_{7.5} + 68x_{7.3} - 184x_{7.2} + 24x_{7.1} + 220x_{6.3} - 432x_{6.2} + 284x_{6.1} - 180x_{5.2} + 120x_{5.1} + 32x_{4.1} - 172x_{3.1})$

10_{81}:



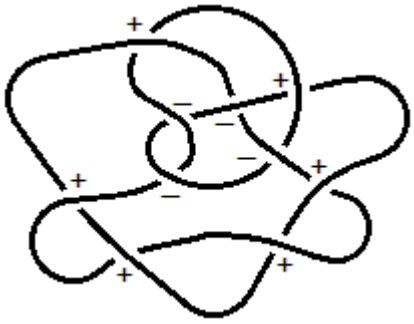


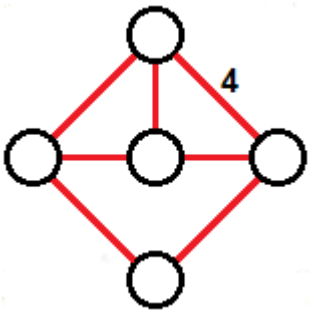
$v_{even} = x_{10.81}$

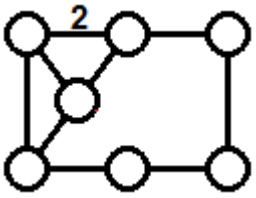
$v_{odd} = \pm y_{10.81}$

v_2	$3x_{3.1}$
v_3	0
v_4	$-5x_{5.2} + 2x_{5.1} + 2x_{4.1} + 9x_{3.1}$
v_5	0
v_6	$\frac{1}{8}(-132x_{7.7} - 7x_{7.6} - 6x_{7.5} + 32x_{7.3} - 15x_{7.2} - 8x_{7.1} + 57x_{6.3} - 99x_{6.2} + 26x_{6.1} - 74x_{5.2} - 27x_{5.1} + 213x_{4.1} + 194x_{3.1})$

10_{82}:





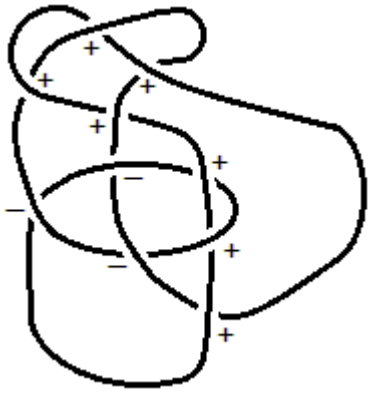


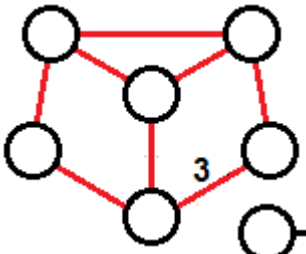
$v_{even} = x_{10.82}$

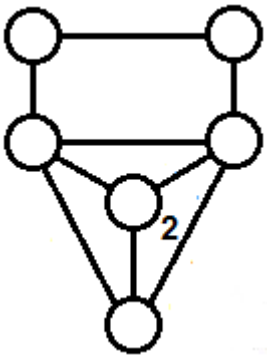
$v_{odd} = \pm y_{10.82}$

v_2	0
v_3	0
v_4	$6x_{5.2} - 4x_{5.1} + 6x_{4.1} + 6x_{3.1}$
v_5	$\pm(2y_{6.2} + 2y_{5.2} - y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(-72x_{7.7} + 14x_{7.6} + 12x_{7.5} + 32x_{7.3} + 14x_{7.2} - 32x_{7.1} - 42x_{6.3} + 6x_{6.2} + 28x_{6.1} - 364x_{5.2} + 174x_{5.1} - 130x_{4.1} + 36x_{3.1})$

10_{83}:





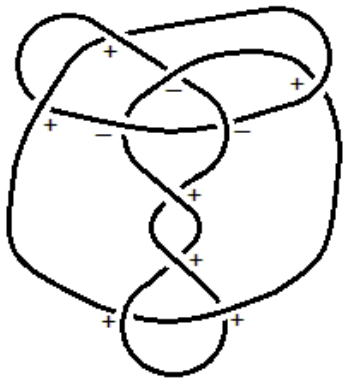


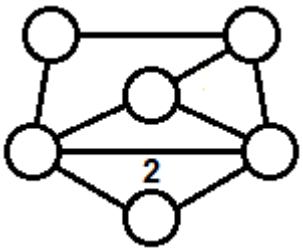
$\boldsymbol{v_{even}} = x_{10.83}$

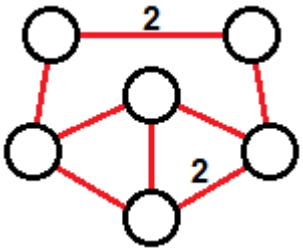
$\boldsymbol{v_{odd}} = \pm y_{10.83}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$-3x_{5.2} + 3x_{5.1} - 6x_{4.1} - 8x_{3.1}$
$\boldsymbol{v_5}$	$\mp(7y_{6.2} - 5y_{6.1} - 3y_{5.2} + y_{5.1} + 4y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(64x_{7.7} + 14x_{7.6} + 20x_{7.5} - 20x_{7.3} - 30x_{7.2} + 16x_{7.1} + 46x_{6.3} + 18x_{6.2} - 24x_{6.1} + 272x_{5.2} - 134x_{5.1} + 50x_{4.1} - 96x_{3.1})$

$\mathbf{10_{84}}$:





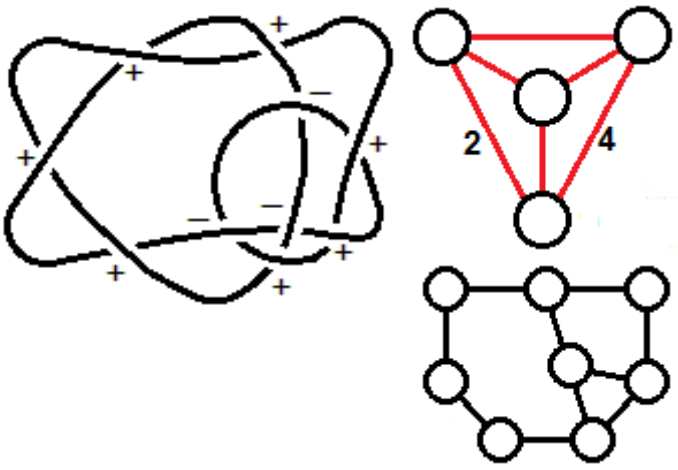


$\boldsymbol{v_{even}} = x_{10.84}$

$\boldsymbol{v_{odd}} = \pm y_{10.84}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$-5x_{5.2} + 3x_{5.1} - 3x_{4.1}$
$\boldsymbol{v_5}$	$\mp(6y_{6.2} - 6y_{6.1} - 2y_{5.2} + y_{5.1} - y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(20x_{7.7} + 13x_{7.6} + 2x_{7.5} - 12x_{7.3} - 23x_{7.2} + 16x_{7.1} + 61x_{6.3} - 11x_{6.2} - 10x_{6.1} + 210x_{5.2} - 115x_{5.1} + 101x_{4.1} - 18x_{3.1})$

$\mathbf{10_{85}}$:

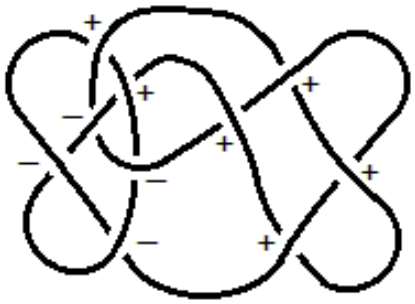


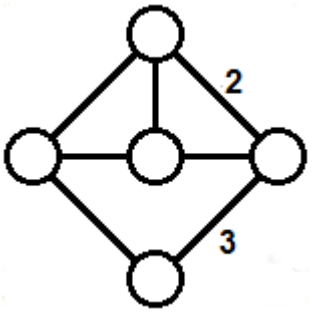
$\boldsymbol{v_{even}} = x_{10.85}$

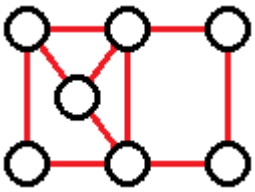
$\boldsymbol{v_{odd}} = \pm y_{10.85}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 3y_{3.1}$
$\boldsymbol{v_4}$	$-5x_{5.2} + 4x_{5.1} - 6x_{4.1} - 6x_{3.1}$
$\boldsymbol{v_5}$	$\mp(10y_{6.2} - 8y_{6.1} - 3y_{5.2} + y_{5.1} + 3y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(24x_{7.7} + 30x_{7.6} - 4x_{7.5} - 24x_{7.3} - 34x_{7.2} + 32x_{7.1} + 86x_{6.3} - 50x_{6.2} - 4x_{6.1} + 348x_{5.2} - 202x_{5.1} + 190x_{4.1} + 12x_{3.1})$

10_{86}:





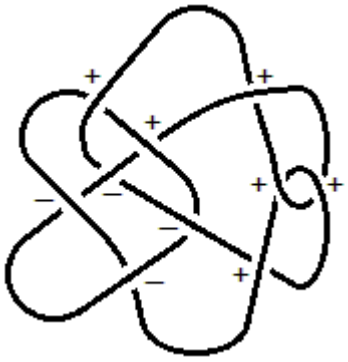


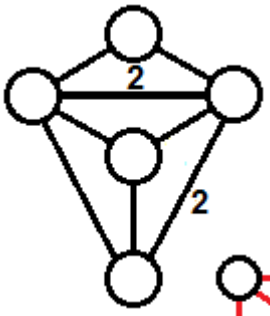
$\boldsymbol{v_{even}} = x_{10.86}$

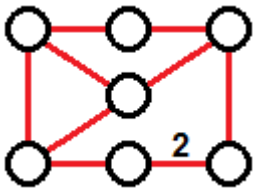
$\boldsymbol{v_{odd}} = \pm y_{10.86}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	$\mp y_{3.1}$
$\boldsymbol{v_4}$	$4x_{5.2} - 3x_{5.1} + 6x_{4.1} + 6x_{3.1}$
$\boldsymbol{v_5}$	$\pm(2y_{6.1} + 2y_{5.2} - y_{5.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-120x_{7.7} + 30x_{7.6} - 28x_{7.5} + 28x_{7.3} + 26x_{7.2} - 16x_{7.1} - 10x_{6.3} - 70x_{6.2} + 56x_{6.1} - 352x_{5.2} + 146x_{5.1} - 6x_{4.1} + 144x_{3.1})$

10_{87}:





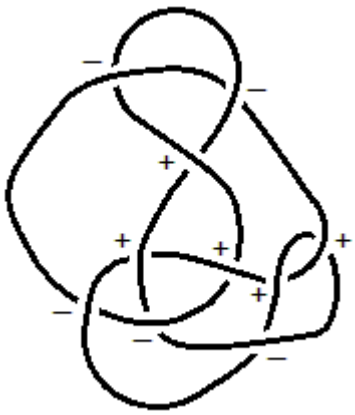


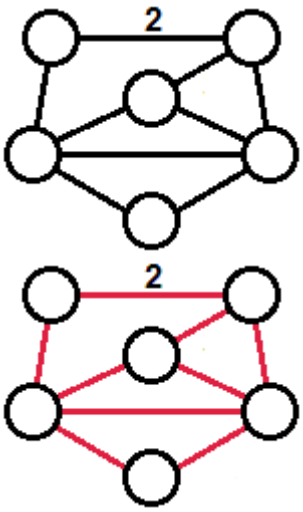
$\boldsymbol{v_{even}} = x_{10.87}$

$\boldsymbol{v_{odd}} = \pm y_{10.87}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	$\pm y_{3.1}$
$\boldsymbol{v_4}$	$5x_{5.2} - 3x_{5.1} + 4x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(y_{6.2} - y_{6.1} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-20x_{7.7} + 5x_{7.6} + 10x_{7.5} + 12x_{7.3} + 9x_{7.2} - 16x_{7.1} - 35x_{6.3} + 21x_{6.2} + 6x_{6.1} - 182x_{5.2} + 93x_{5.1} - 83x_{4.1} + 14x_{3.1})$

10_{88}:



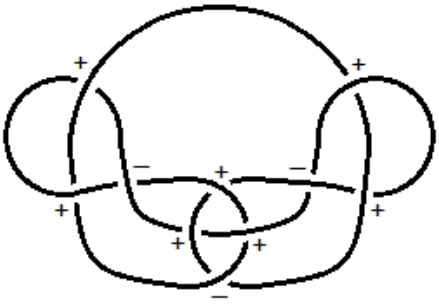


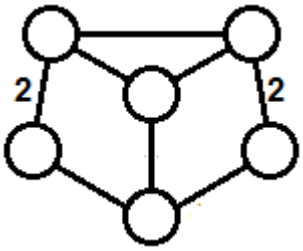
$v_{even} = x_{10.88}$

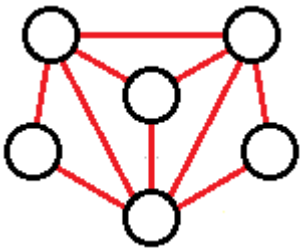
$v_{odd} = \pm y_{10.88}$

v_2	$-x_{3.1}$
v_3	0
v_4	$-3x_{5.2} + 2x_{5.1} - 2x_{4.1} - 3x_{3.1}$
v_5	0
v_6	$\frac{1}{8}(52x_{7.7} - 3x_{7.6} + 34x_{7.5} - 19x_{7.2} - 8x_{7.1} - 3x_{6.3} + 49x_{6.2} - 22x_{6.1} + 54x_{5.2} - 15x_{5.1} - 63x_{4.1} - 102x_{3.1})$

10_{89}:





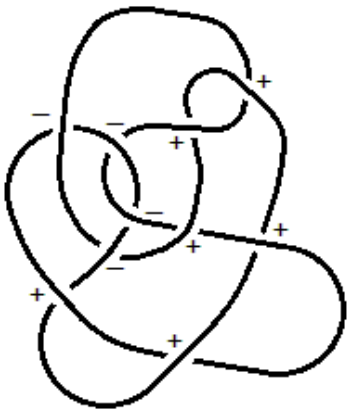


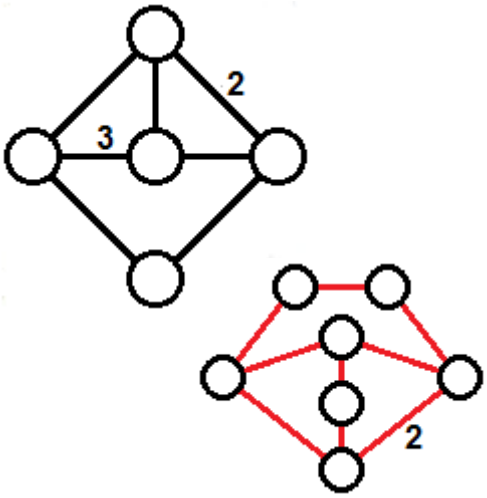
$\boldsymbol{v_{even}} = x_{10.89}$

$\boldsymbol{v_{odd}} = \pm y_{10.89}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm 3y_{3.1}$
$\boldsymbol{v_4}$	$7x_{5.2} - 2x_{5.1} - x_{4.1} - 8x_{3.1}$
$\boldsymbol{v_5}$	$\pm(2y_{6.2} - 4y_{6.1} + 6y_{5.2} - y_{5.1} - 12y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(52x_{7.7} - 3x_{7.6} + 2x_{7.5} - 16x_{7.3} + 13x_{7.2} + 8x_{7.1} + 5x_{6.3} + 49x_{6.2} - 38x_{6.1} + 86x_{5.2} - 39x_{5.1} + 33x_{4.1} - 6x_{3.1})$

10_{90}:



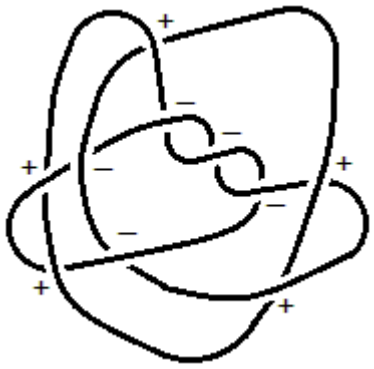


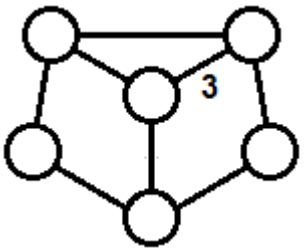
$v_{even} = x_{10.90}$

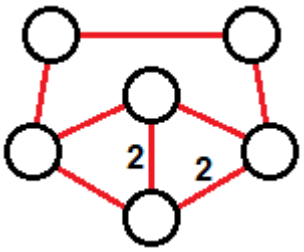
$v_{odd} = \pm y_{10.90}$

v_2	$-3x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$4x_{5.2} - 4x_{5.1} + 14x_{4.1} + 15x_{3.1}$
v_5	$\pm(2y_{6.2} + y_{3.1})$
v_6	$\frac{1}{8}(-88x_{7.7} + 22x_{7.6} - 12x_{7.5} + 12x_{7.3} + 26x_{7.2} - 16x_{7.1} - 2x_{6.3} + 2x_{6.2} + 64x_{6.1} - 280x_{5.2} + 162x_{5.1} - 150x_{4.1} - 72x_{3.1})$

10_{91}:





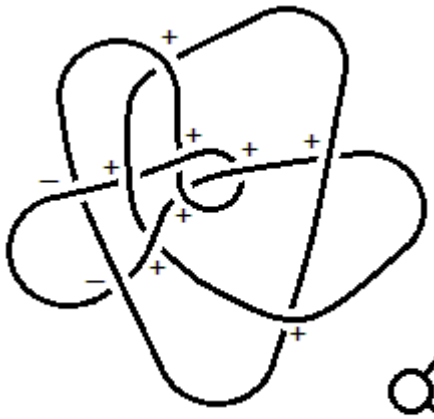


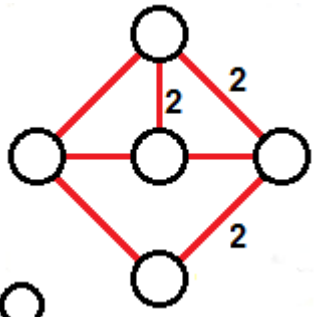
$\boldsymbol{v_{even}} = x_{10.91}$

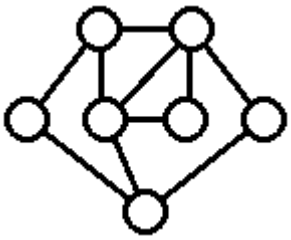
$\boldsymbol{v_{odd}} = \pm y_{10.91}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-9x_{5.2} + 5x_{5.1} - 5x_{4.1}$
$\boldsymbol{v_5}$	$\mp(6y_{6.2} - 8y_{6.1} - 6y_{5.2} + 3y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(52x_{7.7} - 15x_{7.6} - 14x_{7.5} - 32x_{7.3} - 15x_{7.2} + 32x_{7.1} + 89x_{6.3} + 13x_{6.2} - 30x_{6.1} + 382x_{5.2} - 171x_{5.1} + 133x_{4.1} - 102x_{3.1})$

10_{92}:





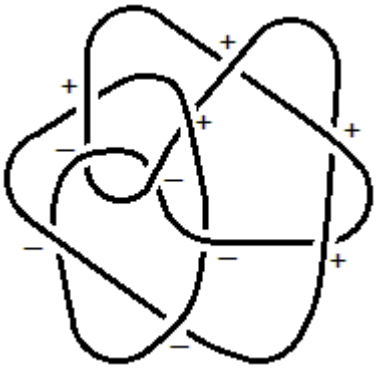


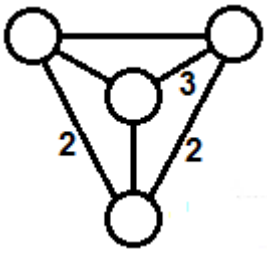
$\boldsymbol{v_{even}} = x_{10.92}$

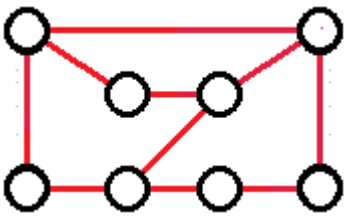
$\boldsymbol{v_{odd}} = \pm y_{10.92}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 3y_{3.1}$
$\boldsymbol{v_4}$	$4x_{5.2} - 2x_{5.1} + 3x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(7y_{6.2} - 6y_{6.1} - y_{5.2} + y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$-x_{7.7} - 4x_{7.6} - x_{7.5} + x_{7.3} + 4x_{7.2} - 2x_{7.1} - 7x_{6.3} + 5x_{6.2} - 23x_{5.2} + 17x_{5.1} - 17x_{4.1} - 6x_{3.1}$

10_{93}:





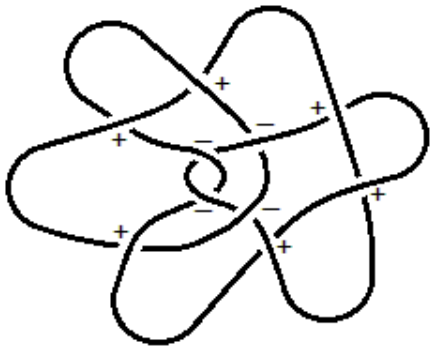


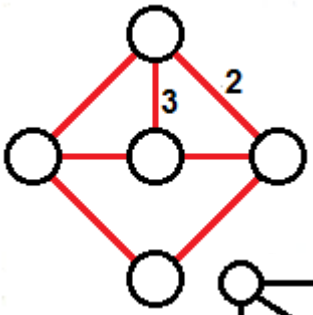
$v_{even} = x_{10.93}$

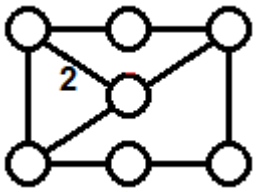
$v_{odd} = \pm y_{10.93}$

v_2	$x_{3.1}$
v_3	$\overline{+} y_{3.1}$
v_4	$-6x_{5.2} + 4x_{5.1} - 6x_{4.1} - 5x_{3.1}$
v_5	$\pm(10y_{6.2} - 12y_{6.1} - 8y_{5.2} + 4y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(160x_{7.7} - 26x_{7.6} + 52x_{7.5} - 36x_{7.3} - 46x_{7.2} + 16x_{7.1} + 46x_{6.3} + 130x_{6.2} - 72x_{6.1} + 480x_{5.2} - 182x_{5.1} - 62x_{4.1} - 328x_{3.1})$

10_{94}:





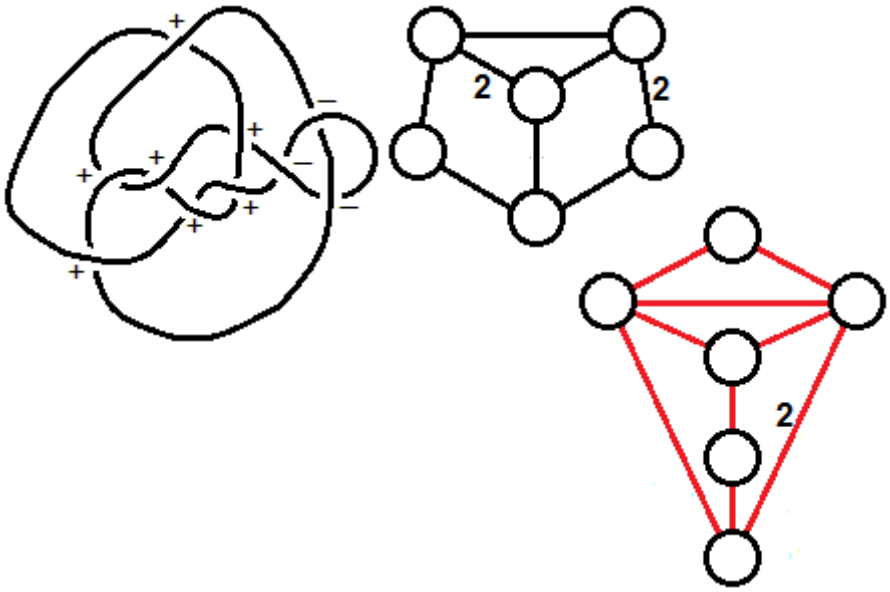


$\boldsymbol{v_{even}} = x_{10.94}$

$\boldsymbol{v_{odd}} = \pm y_{10.94}$

$\boldsymbol{v_2}$	$-2x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$6x_{5.2} - 5x_{5.1} + 12x_{4.1} + 13x_{3.1}$
$\boldsymbol{v_5}$	$\pm(7y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-28x_{7.7} + x_{7.6} + 26x_{7.5} + 16x_{7.3} + 17x_{7.2} - 32x_{7.1} - 39x_{6.3} + 93x_{6.2} + 18x_{6.1} - 306x_{5.2} + 197x_{5.1} - 267x_{4.1} - 166x_{3.1})$

10_{95}:

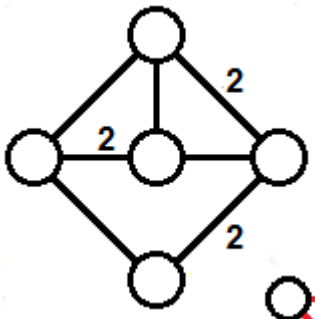


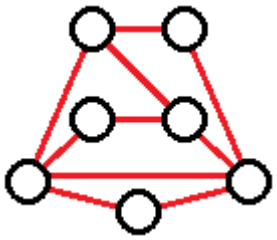
$v_{even} = x_{10.95}$

$v_{odd} = \pm y_{10.95}$

v_2	$3x_{3.1}$
v_3	$\pm 5y_{3.1}$
v_4	$-3x_{5.2} + 3x_{5.1} - 3x_{4.1} - 3x_{3.1}$
v_5	$\mp(3y_{6.2} - 2y_{6.1} - y_{5.1} + y_{3.1})$
v_6	$3x_{7.7} + x_{7.6} - 2x_{7.3} - 2x_{7.2} + 2x_{7.1} + 6x_{6.3} - x_{6.1} + 25x_{5.2} - 11x_{5.1} + 7x_{4.1} - 9x_{3.1}$

10_{96}:



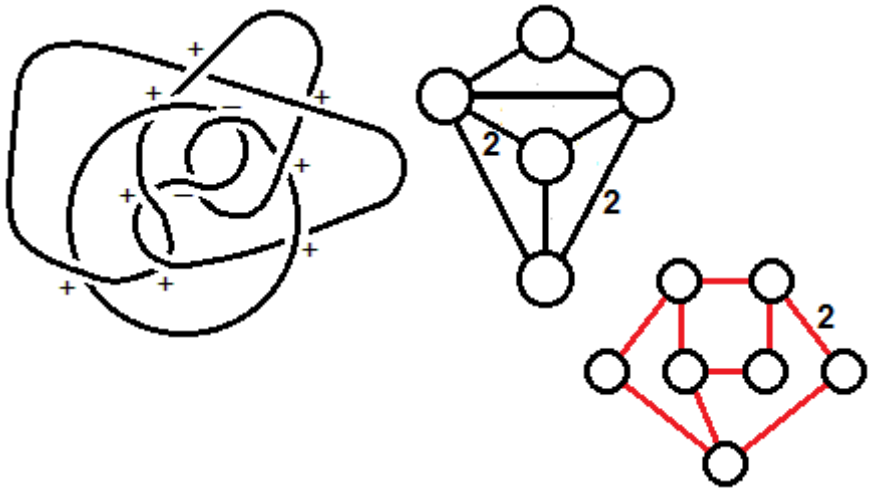


$\boldsymbol{v_{even}} = x_{10.96}$

$\boldsymbol{v_{odd}} = \pm y_{10.96}$

$\boldsymbol{v_2}$	$-3x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$-5x_{5.2} + x_{5.1} + 8x_{4.1} + 12x_{3.1}$
$\boldsymbol{v_5}$	$\mp(2y_{6.2} - 5y_{6.1} + y_{5.2} - 4y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-92x_{7.7} + 5x_{7.6} - 22x_{7.5} + 20x_{7.3} + 9x_{7.2} - 8x_{7.1} - 11x_{6.3} - 91x_{6.2} + 86x_{6.1} - 158x_{5.2} + 69x_{5.1} - 51x_{4.1} + 38x_{3.1})$

10_{97}:

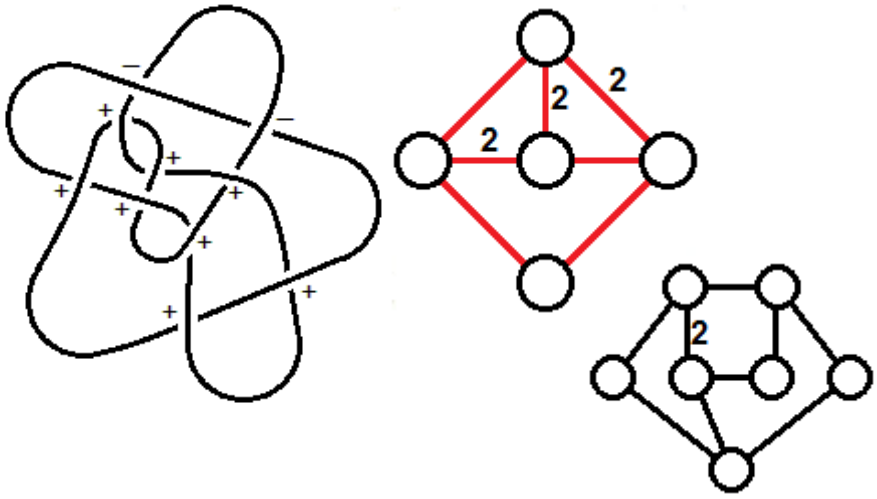


$v_{even} = x_{10.97}$

$v_{odd} = \pm y_{10.97}$

v_2	$2x_{3.1}$
v_3	$\pm 4y_{3.1}$
v_4	$11x_{5.2} - 5x_{5.1} + 5x_{4.1}$
v_5	$\pm(6y_{6.2} - 4y_{6.1} + 8y_{5.2} - 2y_{5.1} - 8y_{3.1})$
v_6	$\frac{1}{8}(-60x_{7.7} - 11x_{7.6} - 46x_{7.5} + 12x_{7.3} + 41x_{7.2} - 19x_{6.3} - 43x_{6.2} + 14x_{6.1} - 134x_{5.2} + 53x_{5.1} + 77x_{4.1} + 158x_{3.1})$

10_{98}:

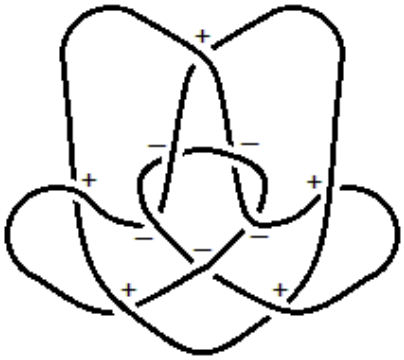


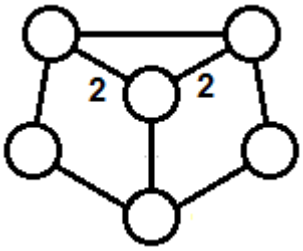
$v_{even} = x_{10.98}$

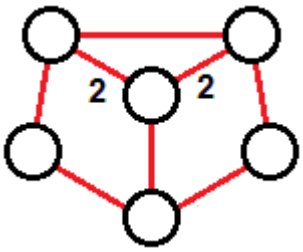
$v_{odd} = \pm y_{10.98}$

v_2	0
v_3	$\mp 3y_{3.1}$
v_4	$-2x_{5.2} - 3x_{5.1} + 11x_{4.1} + 24x_{3.1}$
v_5	$\pm(4y_{6.2} + 8y_{6.1} - 3y_{5.2} - 2y_{5.1} + 28y_{3.1})$
v_6	$\frac{1}{8}(-44x_{7.7} + 75x_{7.6} - 42x_{7.5} + 32x_{7.3} - 13x_{7.2} - 16x_{7.1} + 27x_{6.3} - x_{6.2} + 78x_{6.1} - 198x_{5.2} + 167x_{5.1} - 281x_{4.1} - 234x_{3.1})$

10_{99}:





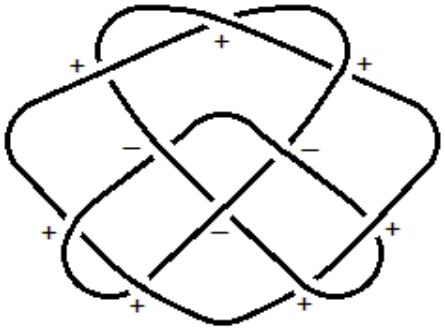


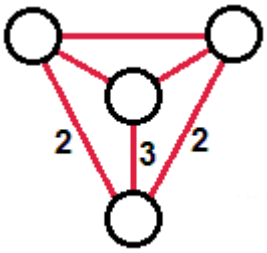
$\boldsymbol{v_{even}} = x_{10.99}$

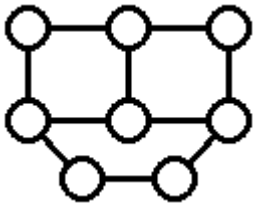
$\boldsymbol{v_{odd}} = \pm y_{10.99}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-14x_{5.2} + 6x_{5.1} + 2x_{4.1} + 16x_{3.1}$
$\boldsymbol{v_5}$	0
$\boldsymbol{v_6}$	$\frac{1}{8}(-200x_{7.7} + 6x_{7.6} - 84x_{7.5} + 16x_{7.3} + 6x_{7.2} + 32x_{7.1} + 182x_{6.3} - 194x_{6.2} + 12x_{6.1} + 52x_{5.2} - 146x_{5.1} + 638x_{4.1} + 492x_{3.1})$

10_{100}:





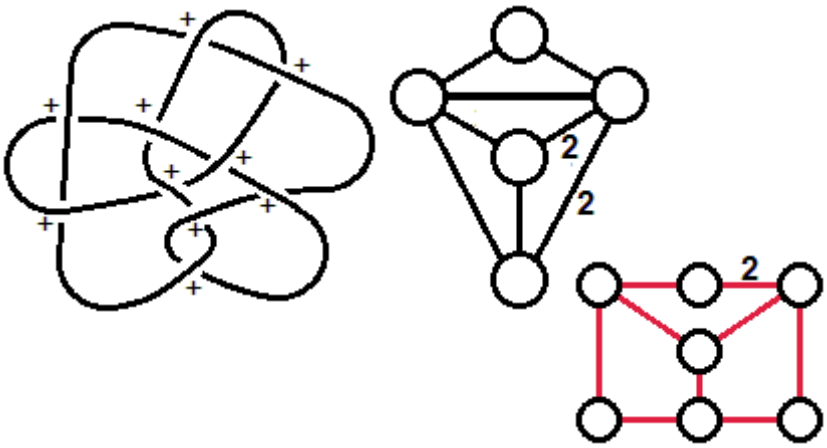


$v_{even} = x_{10.100}$

$v_{odd} = \pm y_{10.100}$

v_2	$4x_{3.1}$
v_3	$\pm 7y_{3.1}$
v_4	$-6x_{5.2} + 5x_{5.1} - 3x_{4.1} - 2x_{3.1}$
v_5	$\mp(14y_{6.2} - 16y_{6.1} - 7y_{5.2} + 2y_{5.1} + 2y_{3.1})$
v_6	$\frac{1}{8}(-76x_{7.7} + 81x_{7.6} - 30x_{7.5} - 47x_{7.2} + 32x_{7.1} + 161x_{6.3} - 131x_{6.2} + 34x_{6.1} + 262x_{5.2} - 195x_{5.1} + 317x_{4.1} + 98x_{3.1})$

10_{101}:

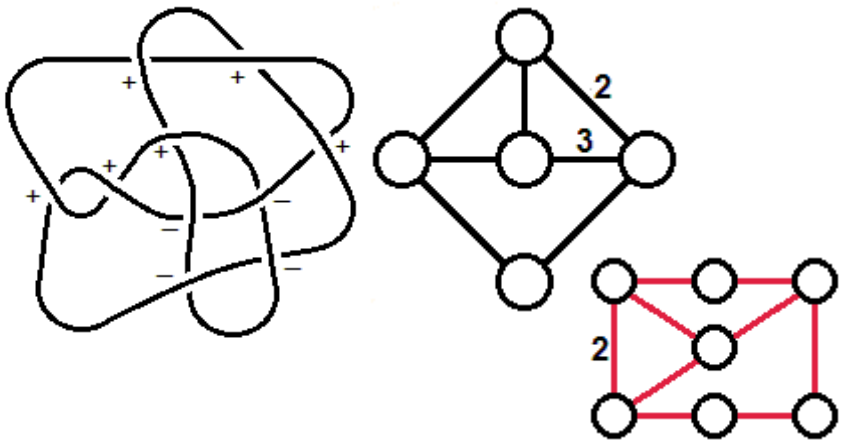


$v_{even} = x_{10.101}$

$v_{odd} = \pm y_{10.101}$

v_2	$7x_{3.1}$
v_3	$\pm 17y_{3.1}$
v_4	$-3x_{5.2} + 7x_{5.1} + 3x_{4.1} - 5x_{3.1}$
v_5	$\mp(7y_{6.2} - 14y_{6.1} + 2y_{5.2} - 8y_{5.1} + 10y_{3.1})$
v_6	$-18x_{7.7} + 23x_{7.6} - 4x_{7.5} + 7x_{7.3} - 10x_{7.2} + 9x_{6.3}$ $- 23x_{6.2} + 15x_{6.1} - 29x_{5.2} + 10x_{5.1} + 3x_{3.1}$

10_{102}:

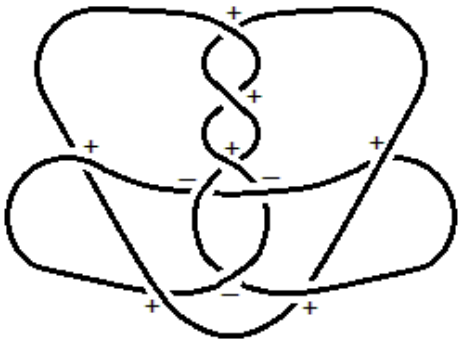


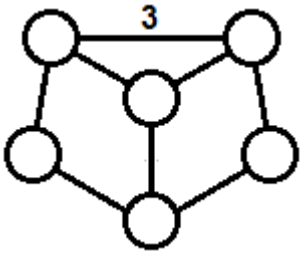
$v_{even} = x_{10.102}$

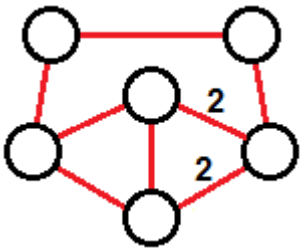
$v_{odd} = \pm y_{10.102}$

v_2	$-2x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$5x_{5.2} - 4x_{5.1} + 10x_{4.1} + 10x_{3.1}$
v_5	$\mp(2y_{6.2} - 5y_{6.1} - 4y_{5.2} + 2y_{5.1})$
v_6	$\frac{1}{8}(-96x_{7.7} + 22x_{7.6} - 12x_{7.5} + 20x_{7.3} + 18x_{7.2} - 16x_{7.1} - 2x_{6.3} - 22x_{6.2} + 48x_{6.1} - 272x_{5.2} + 130x_{5.1} - 62x_{4.1} + 24x_{3.1})$

10_{103}:





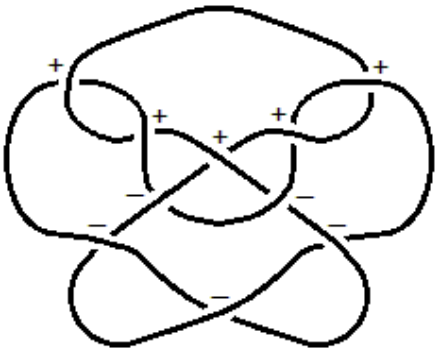


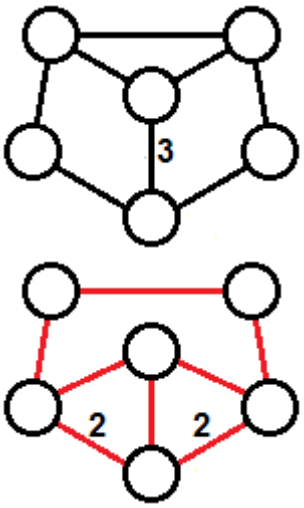
$\boldsymbol{v_{even}} = x_{10.103}$

$\boldsymbol{v_{odd}} = \pm y_{10.103}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\pm 4y_{3.1}$
$\boldsymbol{v_4}$	$-6x_{5.2} + 4x_{5.1} - 3x_{4.1}$
$\boldsymbol{v_5}$	$\mp(10y_{6.2} - 11y_{6.1} - 5y_{5.2} + 2y_{5.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-16x_{7.7} + 30x_{7.6} + 4x_{7.5} - 4x_{7.3} - 38x_{7.2} + 16x_{7.1} + 102x_{6.3} - 38x_{6.2} + 232x_{5.2} - 142x_{5.1} + 162x_{4.1} - 16x_{3.1})$

10_{104}:



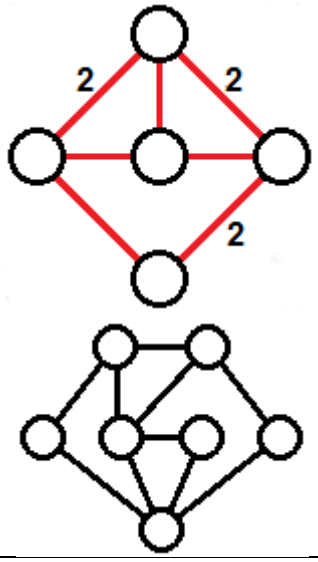


$v_{even} = x_{10.104}$

$v_{odd} = \pm y_{10.104}$

v_2	$x_{3.1}$
v_3	0
v_4	$-8x_{5.2} + 5x_{5.1} - 7x_{4.1} - 5x_{3.1}$
v_5	$\mp(6y_{6.2} - 8y_{6.1} - 6y_{5.2} + 3y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(56x_{7.7} - 10x_{7.6} - 20x_{7.5} - 32x_{7.3} - 10x_{7.2} + 32x_{7.1} + 70x_{6.3} - 2x_{6.2} - 20x_{6.1} + 356x_{5.2} - 154x_{5.1} + 102x_{4.1} - 108x_{3.1})$

10_{105}:

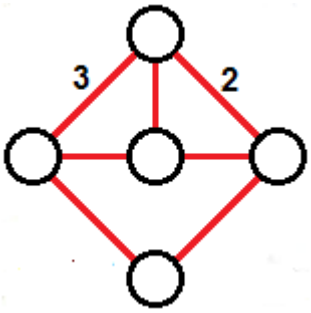


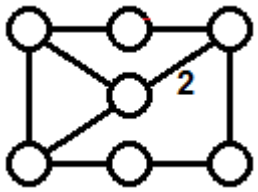
$v_{even} = x_{10.105}$

$v_{odd} = \pm y_{10.105}$

v_2	$-x_{3.1}$
v_3	0
v_4	$3x_{5.2} - 2x_{5.1} + 4x_{4.1} + 3x_{3.1}$
v_5	$\pm(4y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(-108x_{7.7} + 13x_{7.6} - 62x_{7.5} + 8x_{7.3} + 37x_{7.2} + 8x_{7.1} + 5x_{6.3} - 103x_{6.2} + 50x_{6.1} - 178x_{5.2} + 65x_{5.1} + 113x_{4.1} + 186x_{3.1})$

10_{106}:



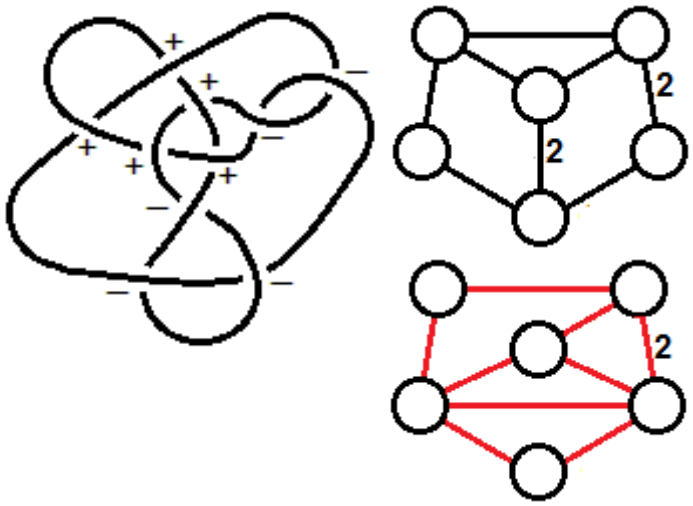


$\boldsymbol{v_{even}} = x_{10.106}$

$\boldsymbol{v_{odd}} = \pm y_{10.106}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	$\mp y_{3.1}$
$\boldsymbol{v_4}$	$7x_{5.2} - 5x_{5.1} + 9x_{4.1} + 9x_{3.1}$
$\boldsymbol{v_5}$	$\pm(3y_{6.2} + 2y_{5.2} - y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-40x_{7.7} + 6x_{7.6} + 28x_{7.5} + 24x_{7.3} + 6x_{7.2} - 32x_{7.1} - 34x_{6.3} + 62x_{6.2} + 12x_{6.1} - 284x_{5.2} + 158x_{5.1} - 186x_{4.1} - 84x_{3.1})$

10_{107}:

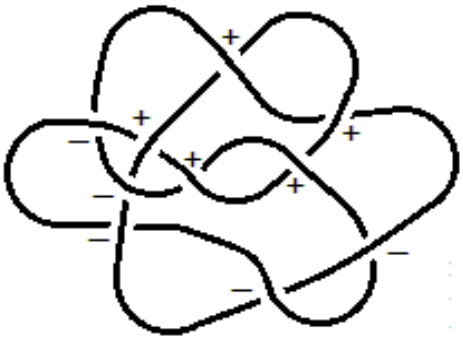


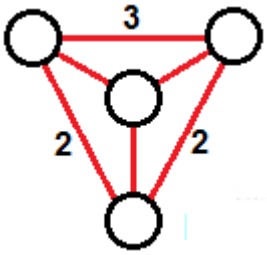
$v_{even} = x_{10.107}$

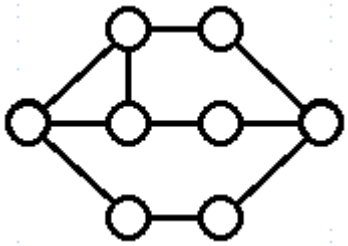
$v_{odd} = \pm y_{10.107}$

v_2	$x_{3.1}$
v_3	$\pm y_{3.1}$
v_4	$-3x_{5.2} + 2x_{5.1} - 3x_{4.1} - 2x_{3.1}$
v_5	$\pm y_{3.1}$
v_6	$\frac{1}{8}(84x_{7.7} - 11x_{7.6} + 50x_{7.5} - 8x_{7.3} - 27x_{7.2} - 8x_{7.1} + 5x_{6.3} + 97x_{6.2} - 38x_{6.1} + 134x_{5.2} - 31x_{5.1} - 127x_{4.1} - 214x_{3.1})$

10_{108}:





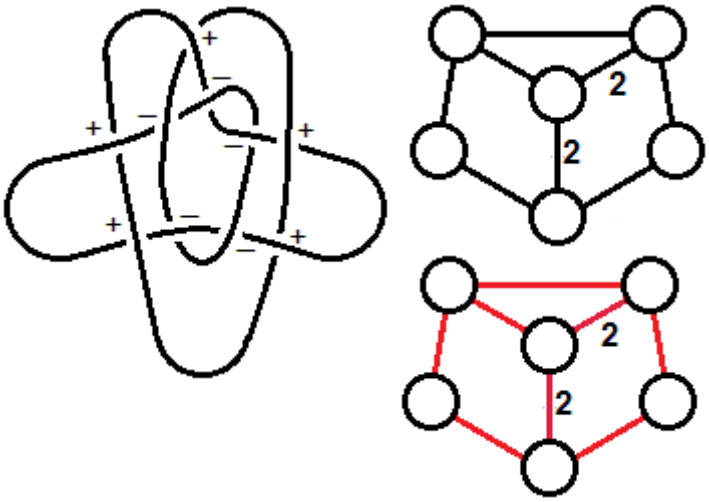


$v_{even} = x_{10.108}$

$v_{odd} = \pm y_{10.108}$

v_2	0
v_3	0
v_4	$-6x_{5.2} + 4x_{5.1} - 6x_{4.1} - 6x_{3.1}$
v_5	$\mp(10y_{6.2} - 12y_{6.1} - 8y_{5.2} + 4y_{5.1} + 2y_{3.1})$
v_6	$\frac{1}{8}(128x_{7.7} - 18x_{7.6} + 36x_{7.5} - 28x_{7.3} - 38x_{7.2} + 16x_{7.1} + 38x_{6.3} + 82x_{6.2} - 56x_{6.1} + 400x_{5.2} - 166x_{5.1} - 6x_{4.1} - 216x_{3.1})$

10_{109}:

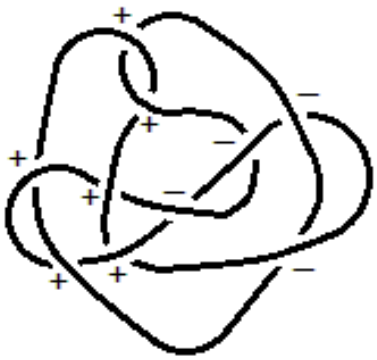


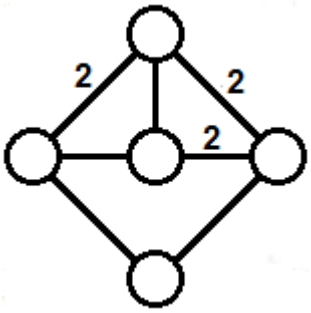
$v_{even} = x_{10.109}$

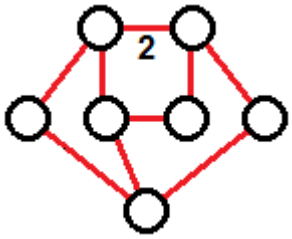
$v_{odd} = \pm y_{10.109}$

v_2	$3x_{3.1}$
v_3	0
v_4	$-12x_{5.2} + 6x_{5.1} - 3x_{4.1} + 6x_{3.1}$
v_5	0
v_6	$-12x_{7.7} + x_{7.6} - 8x_{7.5} - x_{7.3} + x_{7.2} + 4x_{7.1} + 17x_{6.3} - 14x_{6.2} + 2x_{6.1} + 18x_{5.2} - 14x_{5.1} + 42x_{4.1} + 21x_{3.1}$

10_{110}:





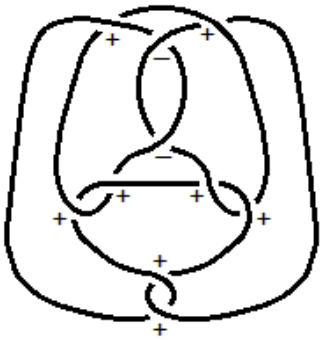


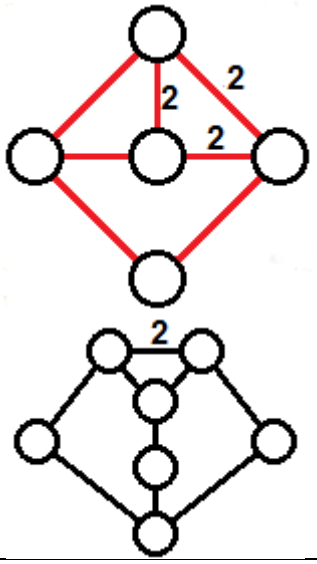
$v_{even} = x_{10.110}$

$v_{odd} = \pm y_{10.110}$

v_2	$-3x_{3.1}$
v_3	$\mp 3y_{3.1}$
v_4	$-x_{5.2} - 2x_{5.1} + 13x_{4.1} + 18x_{3.1}$
v_5	$\pm(4y_{6.2} + y_{6.1} - 3y_{5.2} + y_{5.1} + 6y_{3.1})$
v_6	$\frac{1}{8}(-76x_{7.7} + 5x_{7.6} - 46x_{7.5} + 21x_{7.2} + 8x_{7.1} + 13x_{6.3} - 55x_{6.2} + 82x_{6.1} - 50x_{5.2} + 49x_{5.1} - 71x_{4.1} - 54x_{3.1})$

$\mathbf{10_{111}}$:



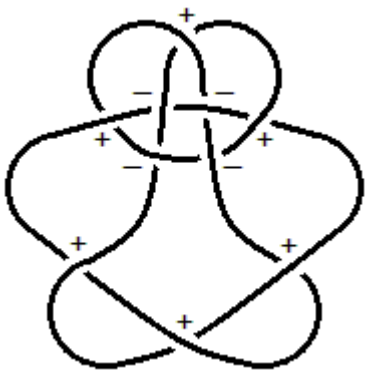


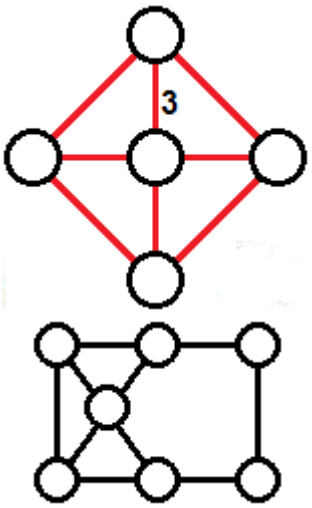
$\boldsymbol{v_{even}} = x_{10.111}$

$\boldsymbol{v_{odd}} = \pm y_{10.111}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$2x_{5.2} - 3x_{5.1} + 7x_{4.1} + 13x_{3.1}$
$\boldsymbol{v_5}$	$\pm(10y_{6.2} - 5y_{6.1} - 5y_{5.2} + y_{5.1} + 15y_{3.1})$
$\boldsymbol{v_6}$	$7x_{7.7} - 5x_{7.6} + 2x_{7.2} - 2x_{7.1} - 7x_{6.3} + 15x_{6.2} - 2x_{6.1} - 8x_{5.2} + 17x_{5.1} - 35x_{4.1} - 33x_{3.1}$

10_{112}:



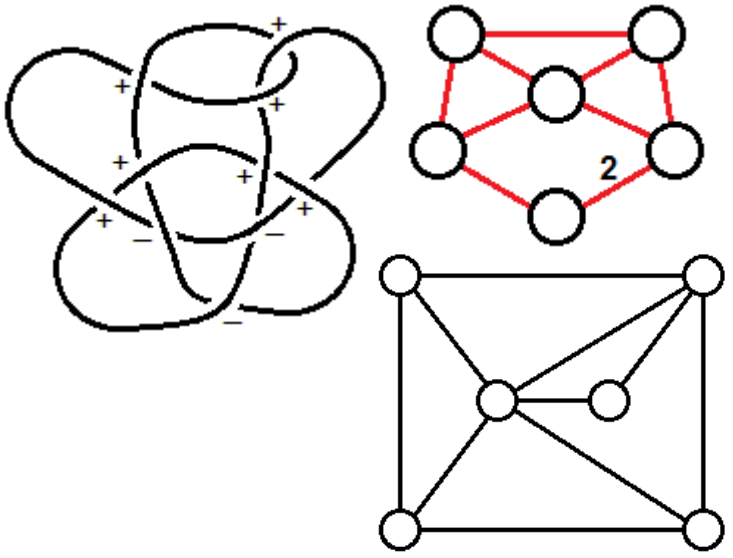


$v_{even} = x_{10.112}$

$v_{odd} = \pm y_{10.112}$

v_2	$2x_{3.1}$
v_3	$\pm 2y_{3.1}$
v_4	$x_{5.2} - x_{5.1} + 3x_{4.1} + 6x_{3.1}$
v_5	$\pm(y_{6.2} + 3y_{3.1})$
v_6	$\frac{1}{8}(-136x_{7.7} + 30x_{7.6} - 28x_{7.5} + 40x_{7.3} + 30x_{7.2} - 24x_{7.1} - 26x_{6.3} - 98x_{6.2} + 60x_{6.1} - 460x_{5.2} + 182x_{5.1} + 14x_{4.1} + 252x_{3.1})$

10_{113}:

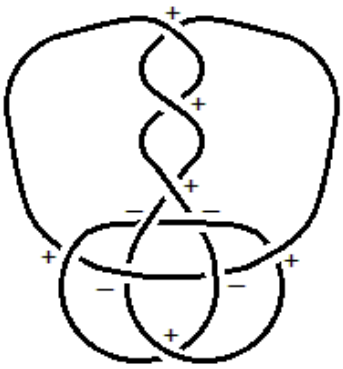


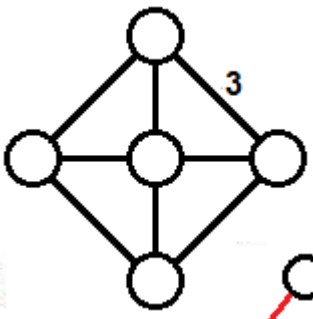
$v_{even} = x_{10.113}$

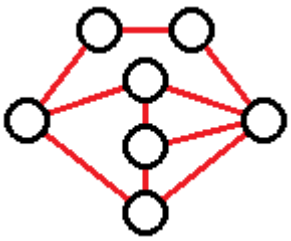
$v_{odd} = \pm y_{10.113}$

v_2	0
v_3	$\mp y_{3.1}$
v_4	$-3x_{5.2} + x_{5.1} + 3x_{3.1}$
v_5	$\mp(y_{6.2} - 2y_{6.1} + y_{5.2} - 3y_{3.1})$
v_6	$\frac{1}{8}(36x_{7.7} + 5x_{7.6} - 6x_{7.5} - 12x_{7.3} - 15x_{7.2} + 16x_{7.1} + 29x_{6.3} - 3x_{6.2} - 10x_{6.1} + 186x_{5.2} - 99x_{5.1} + 69x_{4.1} + 6x_{3.1})$

10_{114}:





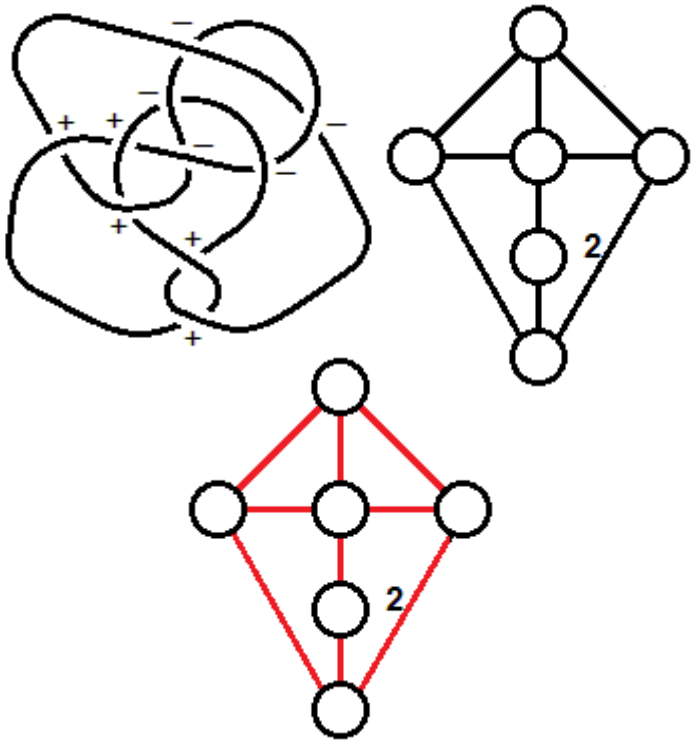


$v_{even} = x_{10.114}$

$v_{odd} = \pm y_{10.114}$

v_2	$x_{3.1}$
v_3	$\pm y_{3.1}$
v_4	$3x_{5.2} - 2x_{5.1} + 3x_{4.1} + 4x_{3.1}$
v_5	$\mp(y_{6.2} - 2y_{6.1} - 2y_{5.2} + y_{5.1} - y_{3.1})$
v_6	$\frac{1}{8}(-152x_{7.7} + 38x_{7.6} - 44x_{7.5} + 36x_{7.3} + 34x_{7.2} - 16x_{7.1} - 18x_{6.3} - 126x_{6.2} + 72x_{6.1} - 432x_{5.2} + 162x_{5.1} + 50x_{4.1} + 272x_{3.1})$

$\mathbf{10_{115}}$:

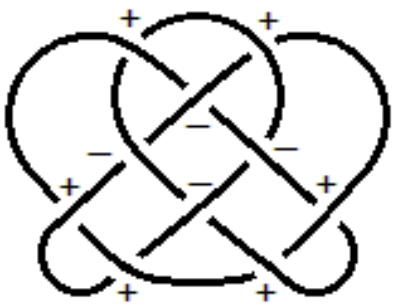


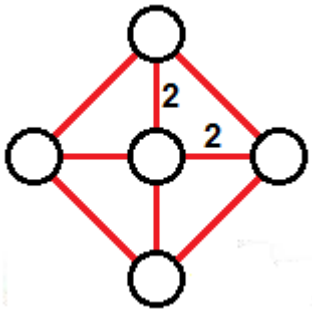
$\boldsymbol{v_{even}} = x_{10.115}$

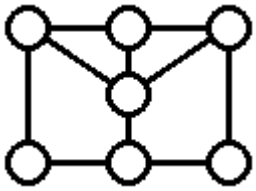
$\boldsymbol{v_{odd}} = \pm y_{10.115}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-5x_{5.2} + 3x_{5.1} - 4x_{4.1} - 2x_{3.1}$
$\boldsymbol{v_5}$	0
$\boldsymbol{v_6}$	$\frac{1}{8}(84x_{7.7} - 11x_{7.6} + 50x_{7.5} - 8x_{7.3} - 27x_{7.2}$ $- 8x_{7.1} + 13x_{6.3} + 97x_{6.2} - 38x_{6.1}$ $+ 134x_{5.2} - 31x_{5.1} - 127x_{4.1} - 222x_{3.1})$

10_{116}:





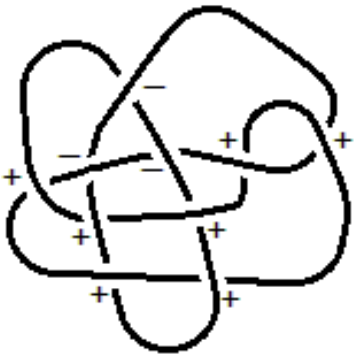


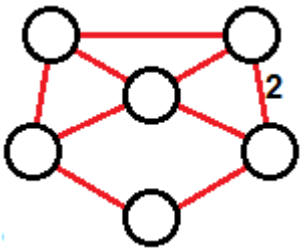
$\boldsymbol{v_{even}} = x_{10.116}$

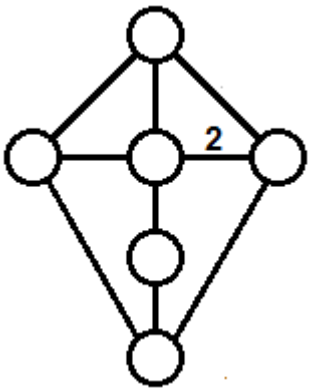
$\boldsymbol{v_{odd}} = \pm y_{10.116}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$3x_{5.2} - 2x_{5.1} + 3x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(4y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-68x_{7.7} + 7x_{7.6} - 2x_{7.5} + 24x_{7.3} + 23x_{7.2} - 24x_{7.1} - 41x_{6.3} - 13x_{6.2} + 30x_{6.1} - 334x_{5.2} + 163x_{5.1} - 101x_{4.1} + 54x_{3.1})$

$\mathbf{10_{117}}$:





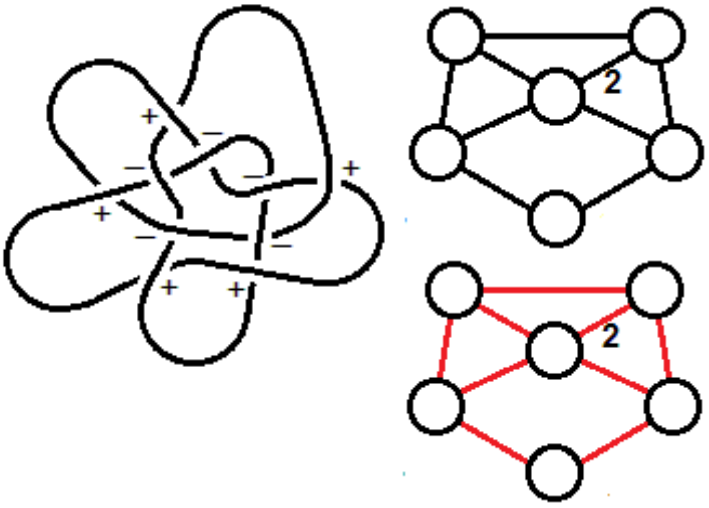


$\boldsymbol{v_{even}} = x_{10.117}$

$\boldsymbol{v_{odd}} = \pm y_{10.117}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 3y_{3.1}$
$\boldsymbol{v_4}$	$-2x_{5.2} + 2x_{5.1} - 3x_{4.1} - 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(3y_{6.2} - 2y_{6.1} - y_{5.2} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(56x_{7.7} - 2x_{7.6} + 12x_{7.5} - 20x_{7.3} - 22x_{7.2} + 16x_{7.1} + 38x_{6.3} + 26x_{6.2} - 24x_{6.1} + 264x_{5.2} - 118x_{5.1} + 42x_{4.1} - 96x_{3.1})$

10_{118}:

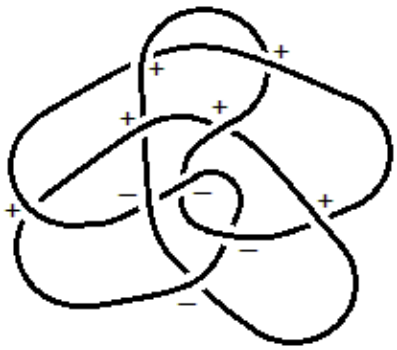


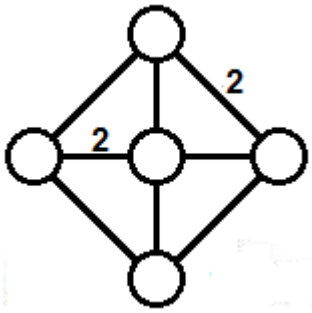
$v_{even} = x_{10.118}$

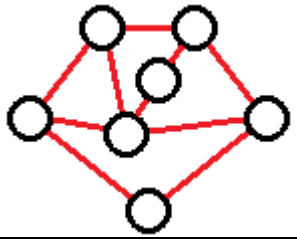
$v_{odd} = \pm y_{10.118}$

v_2	0
v_3	0
v_4	$-3x_{5.2} + 2x_{5.1} - 3x_{4.1} - 3x_{3.1}$
v_5	0
v_6	$\frac{1}{8}(108x_{7.7} - 25x_{7.6} + 14x_{7.5} - 32x_{7.3} - 25x_{7.2} + 24x_{7.1} + 31x_{6.3} + 59x_{6.2} - 50x_{6.1} + 402x_{5.2} - 173x_{5.1} + 51x_{4.1} - 138x_{3.1})$

10_{119}:





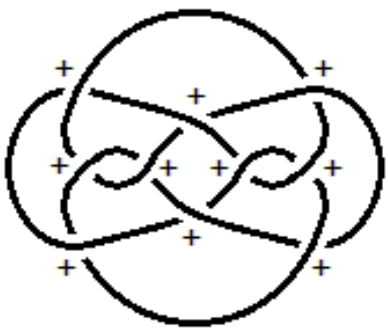


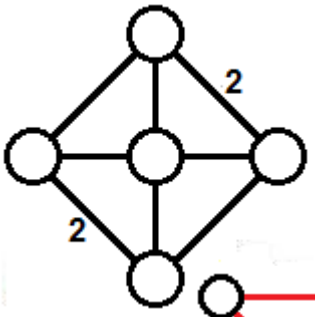
$\boldsymbol{v_{even}} = x_{10.119}$

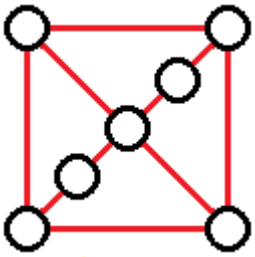
$\boldsymbol{v_{odd}} = \pm y_{10.119}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$3x_{5.2} - 2x_{5.1} + 4x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(y_{6.2} - 2y_{6.1} - 2y_{5.2} + y_{5.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-120x_{7.7} + 30x_{7.6} - 28x_{7.5} + 28x_{7.3} + 26x_{7.2} - 16x_{7.1} - 10x_{6.3} - 78x_{6.2} + 56x_{6.1} - 352x_{5.2} + 146x_{5.1} + 2x_{4.1} + 144x_{3.1})$

$\mathbf{10_{120}}$:





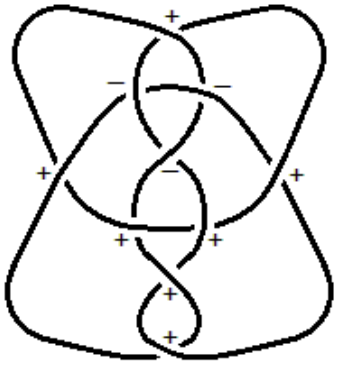


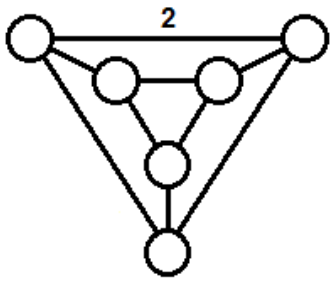
$\boldsymbol{v_{even}} = x_{10.120}$

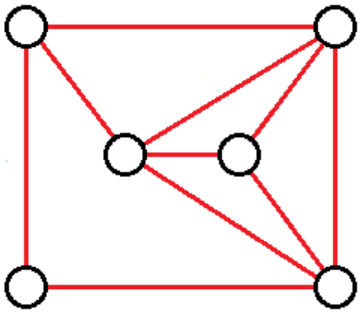
$\boldsymbol{v_{odd}} = \pm y_{10.120}$

$\boldsymbol{v_2}$	$6x_{3.1}$
$\boldsymbol{v_3}$	$\pm 13y_{3.1}$
$\boldsymbol{v_4}$	$-9x_{5.2} + 8x_{5.1}$
$\boldsymbol{v_5}$	$\mp(14y_{6.2} - 19y_{6.1} + 8y_{5.2} - 6y_{5.1} - 12y_{3.1})$
$\boldsymbol{v_6}$	$-34x_{7.7} + 34x_{7.6} - 8x_{7.5} + 8x_{7.3} - 11x_{7.2} + 14x_{6.3} - 42x_{6.2} + 26x_{6.1} - 55x_{5.2} + 20x_{5.1} + 9x_{4.1} + 18x_{3.1}$

10_{121}:





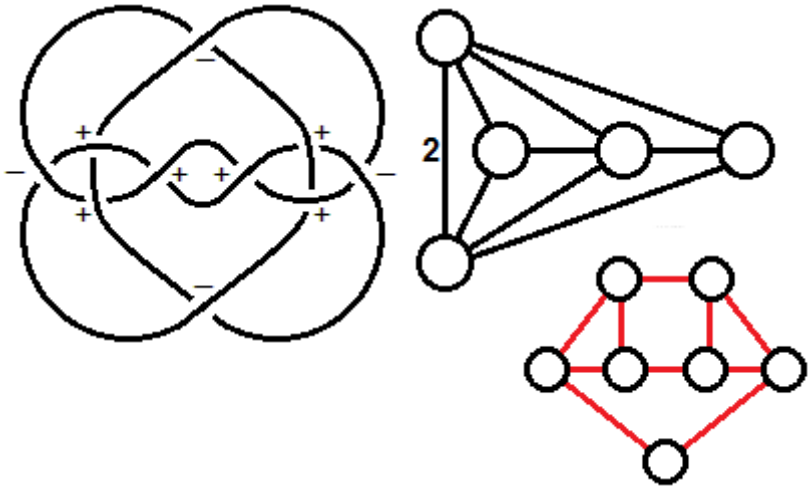


$v_{even} = x_{10.121}$

$v_{odd} = \pm y_{10.121}$

v_2	$x_{3.1}$
v_3	$\pm 2y_{3.1}$
v_4	$x_{5.1} - 3x_{4.1} - 5x_{3.1}$
v_5	$\mp(4y_{6.2} - 3y_{6.1} - 3y_{5.2} + y_{5.1} + 3y_{3.1})$
v_6	$\frac{1}{8}(88x_{7.7} - 4x_{7.6} + 24x_{7.5} - 24x_{7.3} - 28x_{7.2} + 16x_{7.1} + 28x_{6.3} + 52x_{6.2} - 40x_{6.1} + 312x_{5.2} - 140x_{5.1} + 28x_{4.1} - 120x_{3.1})$

$\mathbf{10_{122}}$:

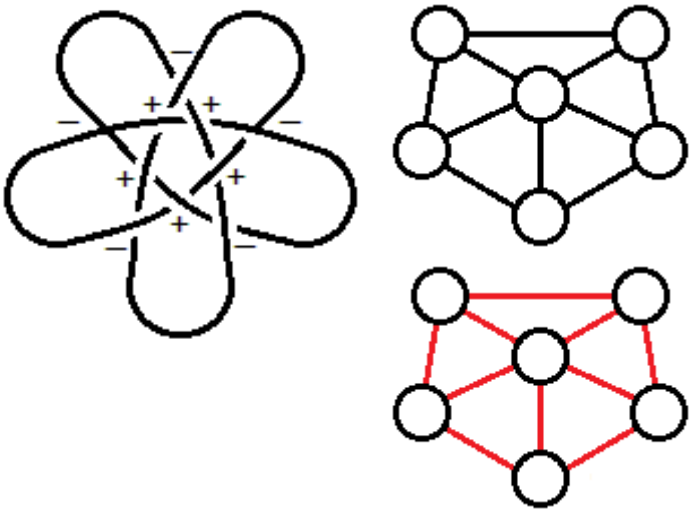


$\boldsymbol{v_{even}} = x_{10.122}$

$\boldsymbol{v_{odd}} = \pm y_{10.122}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$x_{5.2} - x_{5.1} + 3x_{4.1} + 6x_{3.1}$
$\boldsymbol{v_5}$	$\mp(4y_{6.2} - 6y_{6.1} - 4y_{5.2} + 2y_{5.1} - 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-156x_{7.7} + 43x_{7.6} - 42x_{7.5} + 40x_{7.3} + 27x_{7.2} - 16x_{7.1} - 5x_{6.3} - 137x_{6.2} + 70x_{6.1} - 422x_{5.2} + 143x_{5.1} + 95x_{4.1} + 318x_{3.1})$

10_{123}:

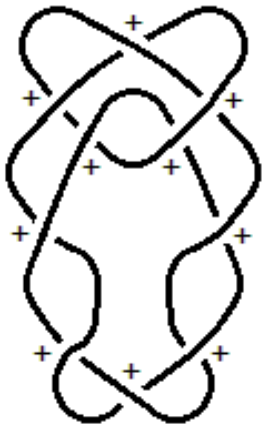


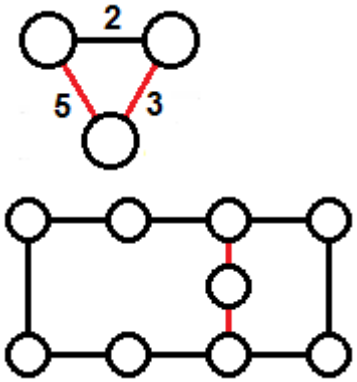
$v_{even} = x_{10.123}$

$v_{odd} = \pm y_{10.123}$

v_2	$-2x_{3.1}$
v_3	0
v_4	$x_{5.2} - x_{5.1} + 5x_{4.1} + 4x_{3.1}$
v_5	0
v_6	$\frac{1}{8}(76x_{7.7} - 17x_{7.6} + 14x_{7.5} - 24x_{7.3} - 17x_{7.2} + 16x_{7.1} + 15x_{6.3} + 59x_{6.2} - 34x_{6.1} + 274x_{5.2} - 117x_{5.1} + 35x_{4.1} - 90x_{3.1})$

10_{124}:



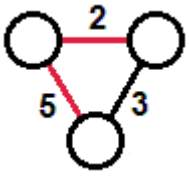


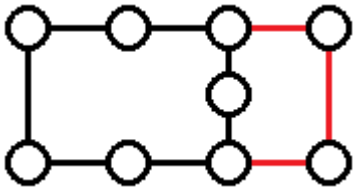
$v_{even} = x_{10.124}$

$v_{odd} = \pm y_{10.124}$

v_2	$8x_{3.1}$
v_3	$\pm 20y_{3.1}$
v_4	$-14x_{5.2} + 14x_{5.1} - 6x_{3.1}$
v_5	$\mp(21y_{6.2} - 28y_{6.1} + 14y_{5.2} - 14y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(-364x_{7.7} + 413x_{7.6} - 126x_{7.5} + 56x_{7.3} - 147x_{7.2} + 56x_{7.1} + 245x_{6.3} - 511x_{6.2} + 266x_{6.1} - 266x_{5.2} - 7x_{5.1} + 385x_{4.1} + 330x_{3.1})$

10_{125}:



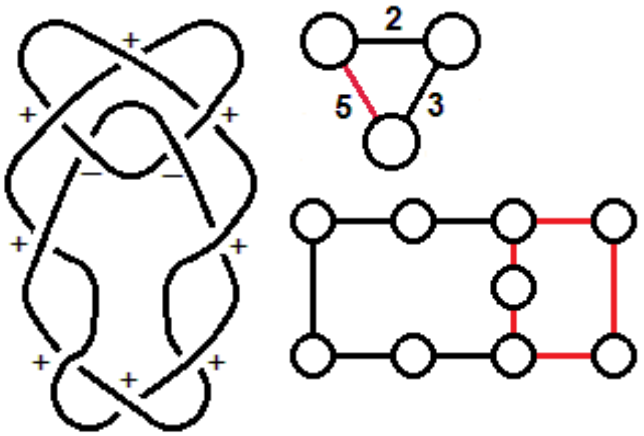


$v_{even} = x_{10.125}$

$v_{odd} = \pm y_{10.125}$

v_2	$3x_{3.1}$
v_3	0
v_4	$-9x_{5.2} + 4x_{5.1} + 9x_{3.1}$
v_5	$\pm(6y_{6.2} - 8y_{6.1} - 6y_{5.2} + 3y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(-124x_{7.7} + 13x_{7.6} - 46x_{7.5} + 16x_{7.3} + 13x_{7.2} + 8x_{7.1} + 85x_{6.3} - 111x_{6.2} + 26x_{6.1} - 106x_{5.2} - 7x_{5.1} + 265x_{4.1} + 258x_{3.1})$

10_{126}:

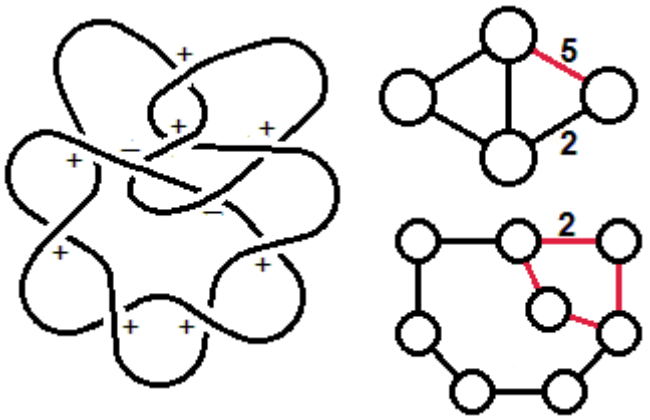


$$v_{even} = x_{10.126}$$

$$v_{odd} = \pm y_{10.126}$$

v_2	$5x_{3.1}$
v_3	$\pm 9y_{3.1}$
v_4	$-5x_{5.2} + 4x_{5.1} + 3x_{4.1} + 6x_{3.1}$
v_5	$\mp(10y_{6.2} - 16y_{6.1} - 6y_{5.2} + y_{5.1} - 2y_{3.1})$
v_6	$\frac{1}{8}(-252x_{7.7} + 109x_{7.6} - 78x_{7.5} + 56x_{7.3} - 19x_{7.2} + 8x_{7.1} + 149x_{6.3} - 263x_{6.2} + 90x_{6.1} - 234x_{5.2} - 15x_{5.1} + 449x_{4.1} + 450x_{3.1})$

10_{127}:

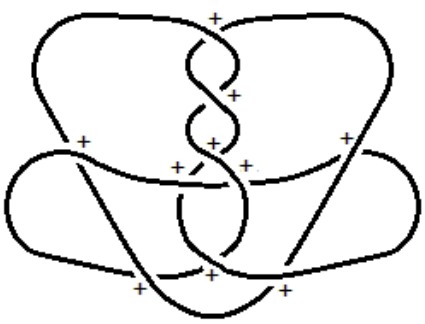


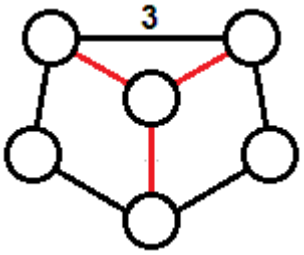
$v_{even} = x_{10.127}$

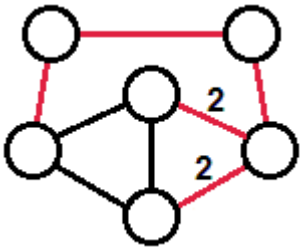
$v_{odd} = \pm y_{10.127}$

v_2	$x_{3.1}$
v_3	$\overline{+}y_{3.1}$
v_4	$-2x_{5.2} - 2x_{5.1} + 8x_{4.1} + 19x_{3.1}$
v_5	$\pm(5y_{6.2} + 4y_{6.1} - 4y_{5.2} - y_{5.1} + 25y_{3.1})$
v_6	$\frac{1}{8}(52x_{7.7} + 29x_{7.6} - 14x_{7.5} + 8x_{7.3} - 19x_{7.2} - 8x_{7.1} + 13x_{6.3} + 81x_{6.2} + 10x_{6.1} + 22x_{5.2} + 81x_{5.1} - 247x_{4.1} - 294x_{3.1})$

10_{128}:





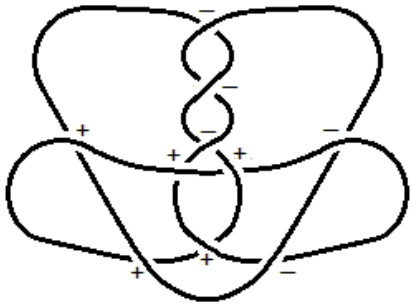


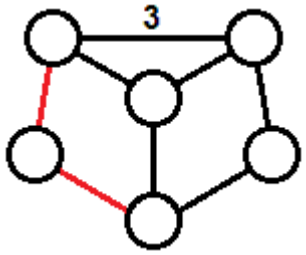
$v_{even} = x_{10.128}$

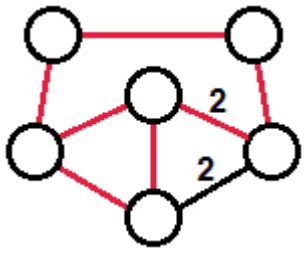
$v_{odd} = \pm y_{10.128}$

v_2	$7x_{3.1}$
v_3	$\pm 17y_{3.1}$
v_4	$-6x_{5.2} + 9x_{5.1} - 8x_{3.1}$
v_5	$\mp(12y_{6.2} - 16y_{6.1} + 4y_{5.2} - 9y_{5.1} + 12y_{3.1})$
v_6	$\frac{1}{8}(-184x_{7.7} + 218x_{7.6} - 36x_{7.5} + 44x_{7.3} - 90x_{7.2} + 16x_{7.1} + 114x_{6.3} - 250x_{6.2} + 144x_{6.1} - 184x_{5.2} + 14x_{5.1} + 118x_{4.1} + 120x_{3.1})$

10_{129}:





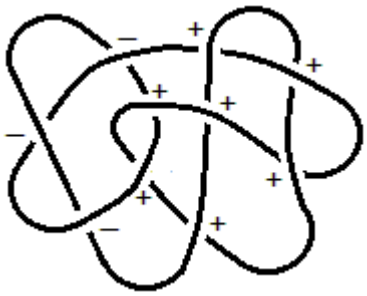


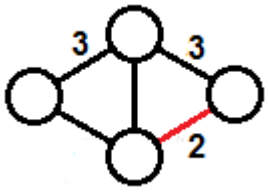
$\boldsymbol{v_{even}} = x_{10.129}$

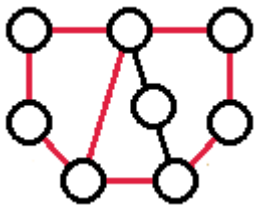
$\boldsymbol{v_{odd}} = \pm y_{10.129}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm y_{3.1}$
$\boldsymbol{v_4}$	$-4x_{5.2} + 2x_{5.1} - x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(7y_{6.2} - 9y_{6.1} - 6y_{5.2} + 3y_{5.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-16x_{7.7} + 2x_{7.6} + 4x_{7.5} + 4x_{7.3} - 10x_{7.2} + 34x_{6.3} - 10x_{6.2} + 32x_{5.2} - 26x_{5.1} + 46x_{4.1} + 8x_{3.1})$

10_{130}:





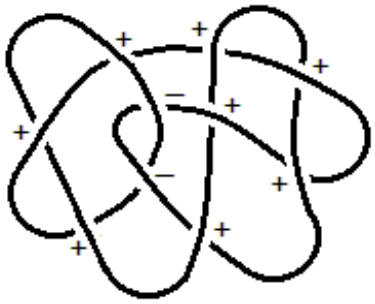


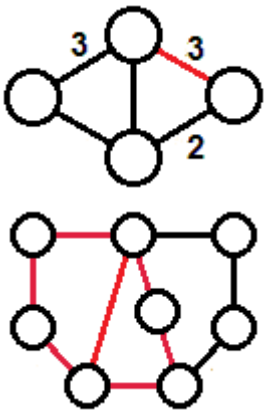
$v_{even} = x_{10.130}$

$v_{odd} = \pm y_{10.130}$

v_2	$4x_{3.1}$
v_3	$\pm 6y_{3.1}$
v_4	$-3x_{5.2} + 2x_{5.1} + 3x_{4.1} + 7x_{3.1}$
v_5	$\mp(9y_{6.2} - 14y_{6.1} - 8y_{5.2} + 3y_{5.1} - 2y_{3.1})$
v_6	$\frac{1}{8}(-224x_{7.7} + 74x_{7.6} - 60x_{7.5} + 52x_{7.3} - 10x_{7.2} + 106x_{6.3} - 226x_{6.2} + 80x_{6.1} - 232x_{5.2} - 2x_{5.1} + 366x_{4.1} + 408x_{3.1})$

10_{131}:



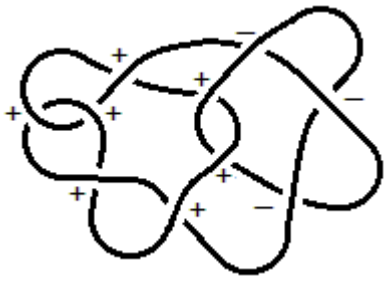


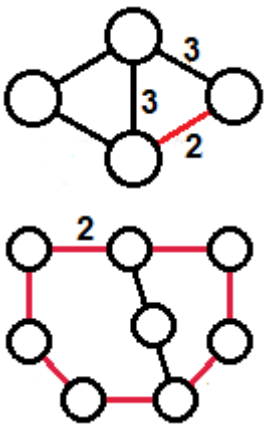
$v_{even} = x_{10.131}$

$v_{odd} = \pm y_{10.131}$

v_2	0
v_3	$\mp 2y_{3.1}$
v_4	$-x_{5.2} - 2x_{5.1} + 7x_{4.1} + 15x_{3.1}$
v_5	$\pm(3y_{6.2} + 4y_{6.1} - 2y_{5.2} - y_{5.1} + 16y_{3.1})$
v_6	$\frac{1}{8}(24x_{7.7} + 18x_{7.6} - 12x_{7.5} + 4x_{7.3} - 18x_{7.2} + 18x_{6.3} + 38x_{6.2} + 16x_{6.1} + 72x_{5.2} + 14x_{5.1} - 138x_{4.1} - 184x_{3.1})$

10_{132}:



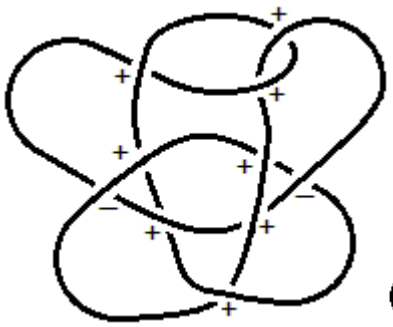


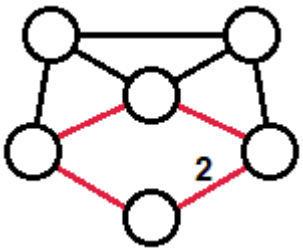
$v_{even} = x_{10.132}$

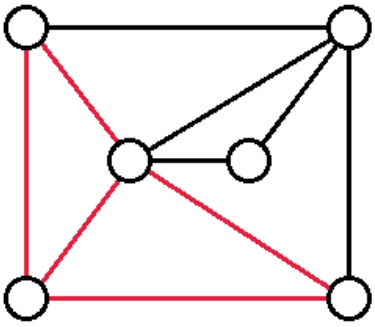
$v_{odd} = \pm y_{10.132}$

v_2	$3x_{3.1}$
v_3	$\pm 5y_{3.1}$
v_4	$x_{5.1}$
v_5	$\mp(6y_{6.2} - 8y_{6.1} - 6y_{5.2} + 2y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(-80x_{7.7} + 50x_{7.6} - 20x_{7.5} + 20x_{7.3} - 10x_{7.2} + 50x_{6.3} - 90x_{6.2} + 40x_{6.1} - 80x_{5.2} - 2x_{5.1} + 110x_{4.1} + 120x_{3.1})$

10_{133}:





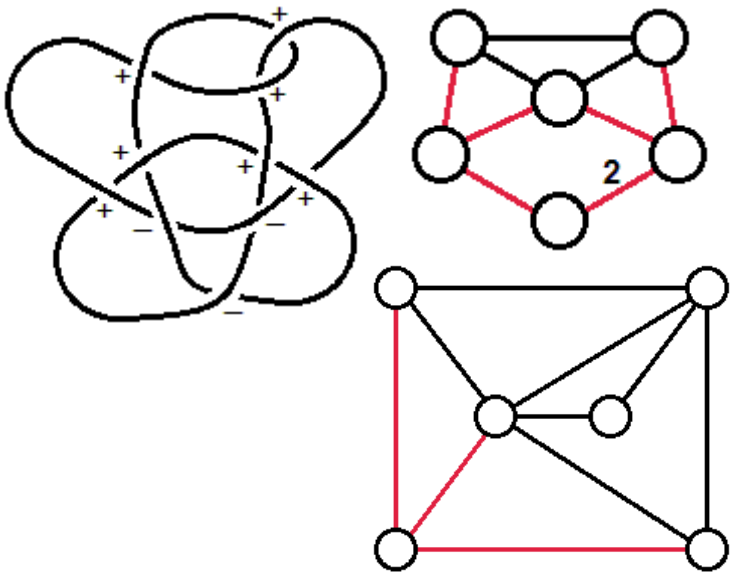


$\boldsymbol{v_{even}} = x_{10.133}$

$\boldsymbol{v_{odd}} = \pm y_{10.133}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-x_{5.2} - x_{5.1} + 4x_{4.1} + 10x_{3.1}$
$\boldsymbol{v_5}$	$\pm(3y_{6.2} + y_{6.1} - 3y_{5.2} + 13y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(10x_{7.6} - 20x_{7.5} + 4x_{7.3} - 2x_{7.2} + 2x_{6.3} + 6x_{6.2} + 16x_{6.1} - 8x_{5.2} + 38x_{5.1} - 74x_{4.1} - 72x_{3.1})$

10_{134}:

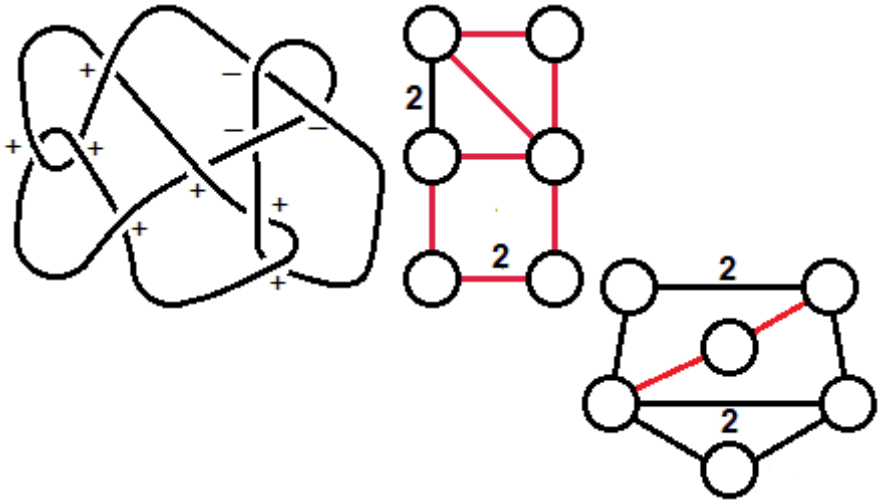


$v_{even} = x_{10.134}$

$v_{odd} = \pm y_{10.134}$

v_2	$6x_{3.1}$
v_3	$\pm 13y_{3.1}$
v_4	$-9x_{5.2} + 8x_{5.1}$
v_5	$\mp(14y_{6.2} - 19y_{6.1} + 8y_{5.2} - 6y_{5.1} - 12y_{3.1})$
v_6	$\frac{1}{8}(-160x_{7.7} + 242x_{7.6} - 36x_{7.5} + 36x_{7.3} - 114x_{7.2} + 16x_{7.1} + 122x_{6.3} - 250x_{6.2} + 152x_{6.1} - 88x_{5.2} + 14x_{5.1} + 78x_{4.1})$

$\mathbf{10_{135}}$:

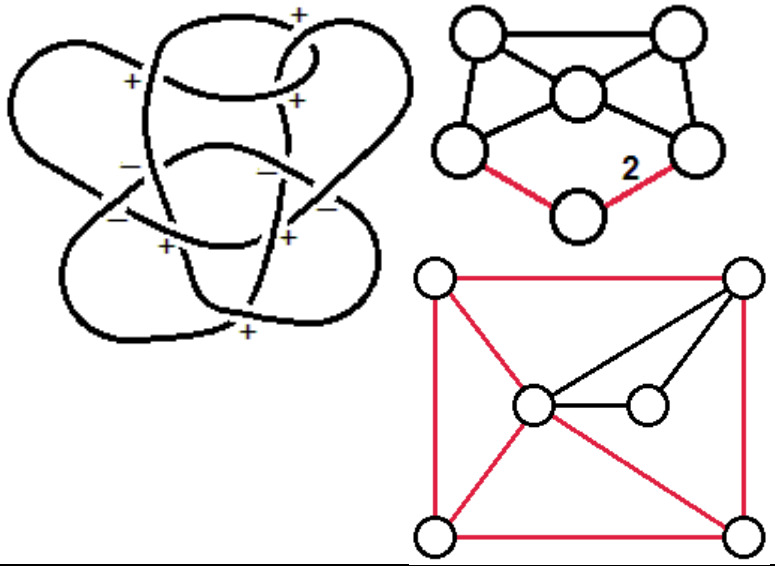


$\boldsymbol{v_{even}} = x_{10.135}$

$\boldsymbol{v_{odd}} = \pm y_{10.135}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\overline{+}y_{3.1}$
$\boldsymbol{v_4}$	$-7x_{5.2} + 3x_{5.1} + x_{4.1} + 9x_{3.1}$
$\boldsymbol{v_5}$	$\pm(3y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} - y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-104x_{7.7} + 2x_{7.6} - 20x_{7.5} + 20x_{7.3} - 2x_{7.2} + 66x_{6.3} - 82x_{6.2} + 16x_{6.1} - 72x_{5.2} - 18x_{5.1} + 214x_{4.1} + 200x_{3.1})$

10_{136}:

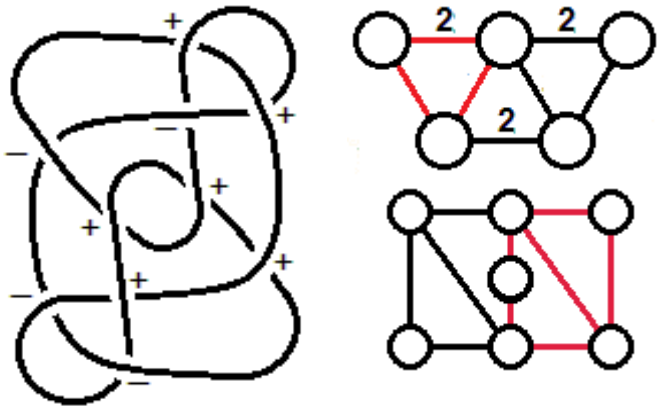


$v_{even} = x_{10.136}$

$v_{odd} = \pm y_{10.136}$

v_2	0
v_3	$\pm y_{3.1}$
v_4	$2x_{5.2} - x_{5.1} + x_{4.1}$
v_5	$\mp(4y_{6.2} - 5y_{6.1} - 4y_{5.2} + 2y_{5.1})$
v_6	$\frac{1}{8}(-44x_{7.7} + 23x_{7.6} - 18x_{7.5} + 8x_{7.3} + 7x_{7.2} + 7x_{6.3} - 45x_{6.2} + 22x_{6.1} - 94x_{5.2} + 27x_{5.1} + 43x_{4.1} + 86x_{3.1})$

10_{137}:

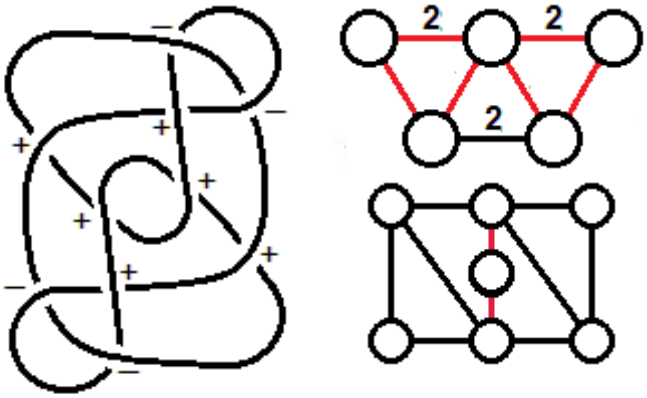


$v_{even} = x_{10.137}$

$v_{odd} = \pm y_{10.137}$

v_2	$-2x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$-4x_{5.2} + x_{5.1} + 4x_{4.1} + 7x_{3.1}$
v_5	$\pm(y_{6.2} + y_{6.1} - 3y_{5.2} + y_{5.1} + 4y_{3.1})$
v_6	$\frac{1}{8}(12x_{7.7} - 17x_{7.6} + 6x_{7.5} - 9x_{7.2} - 9x_{6.3} + 3x_{6.2} + 14x_{6.1} + 66x_{5.2} - 21x_{5.1} - 45x_{4.1} - 58x_{3.1})$

10_{138}:

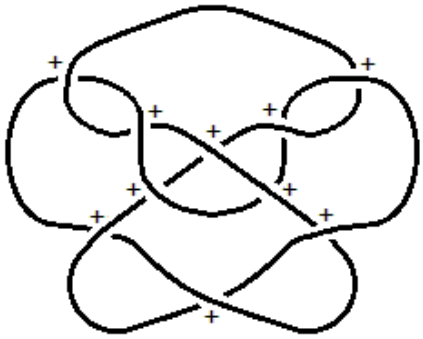


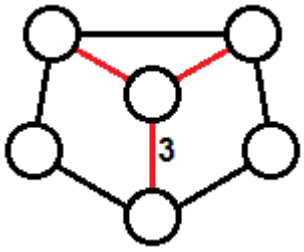
$v_{even} = x_{10.138}$

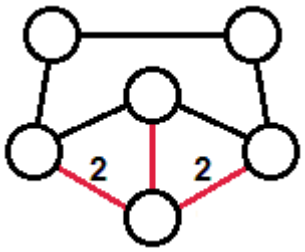
$v_{odd} = \pm y_{10.138}$

v_2	$-3x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$-5x_{5.2} + x_{5.1} + 8x_{4.1} + 12x_{3.1}$
v_5	$\mp(2y_{6.2} - 5y_{6.1} + y_{5.2} - 4y_{3.1})$
v_6	$\frac{1}{8}(20x_{7.7} - 25x_{7.6} + 6x_{7.5} - 8x_{7.3} - 17x_{7.2} + 8x_{7.1} - x_{6.3} - 5x_{6.2} + 30x_{6.1} + 194x_{5.2} - 77x_{5.1} - 45x_{4.1} - 106x_{3.1})$

10_{139}:





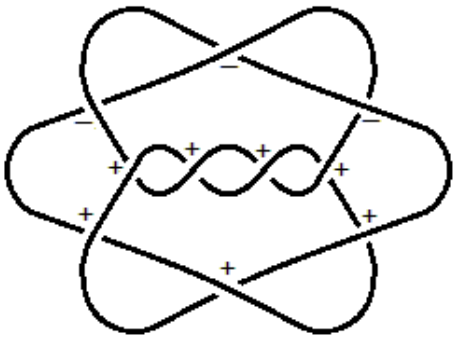


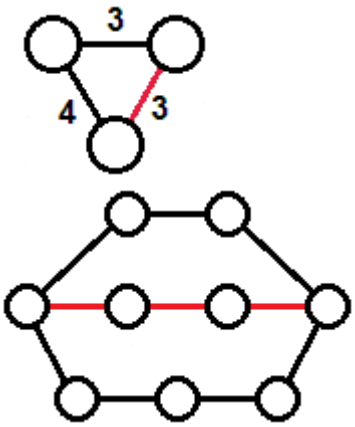
$\boldsymbol{v_{even}} = x_{10.139}$

$\boldsymbol{v_{odd}} = \pm y_{10.139}$

$\boldsymbol{v_2}$	$9x_{3.1}$
$\boldsymbol{v_3}$	$\pm 25y_{3.1}$
$\boldsymbol{v_4}$	$-6x_{5.2} + 14x_{5.1} - 21x_{3.1}$
$\boldsymbol{v_5}$	$\mp(9y_{6.2} - 12y_{6.1} + 6y_{5.2} - 20y_{5.1} + 54y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-180x_{7.7} + 179x_{7.6} - 66x_{7.5} + 24x_{7.3} - 61x_{7.2} + 56x_{7.1} + 123x_{6.3} - 241x_{6.2} + 118x_{6.1} - 102x_{5.2} - 89x_{5.1} + 223x_{4.1} + 270x_{3.1})$

$\mathbf{10_{140}}$:



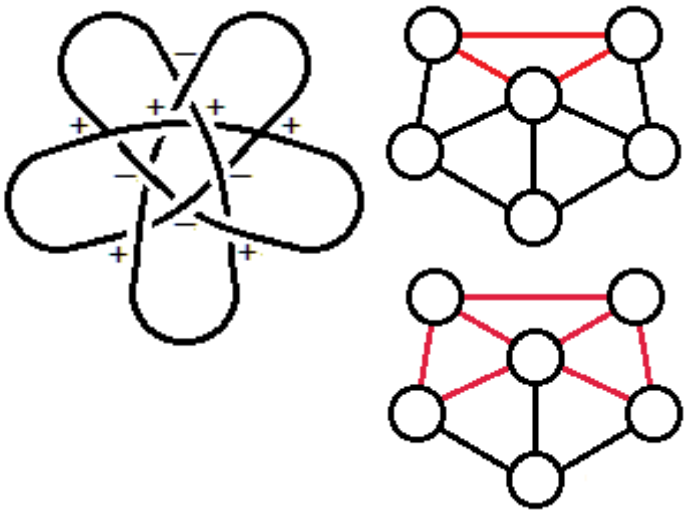


$\boldsymbol{v_{even}} = x_{10.140}$

$\boldsymbol{v_{odd}} = \pm y_{10.140}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 4y_{3.1}$
$\boldsymbol{v_4}$	$x_{5.2} + x_{5.1} - 3x_{4.1} - 6x_{3.1}$
$\boldsymbol{v_5}$	$\mp(6y_{6.2} - 6y_{6.1} - 6y_{5.2} + 2y_{5.1} + 4y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-36x_{7.7} + 51x_{7.6} - 10x_{7.5} + 8x_{7.3} - 5x_{7.2} + 35x_{6.3} - 49x_{6.2} + 30x_{6.1} - 62x_{5.2} + 15x_{5.1} + 15x_{4.1} + 14x_{3.1})$

10_{141}:

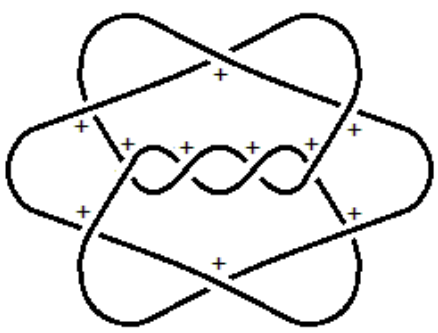


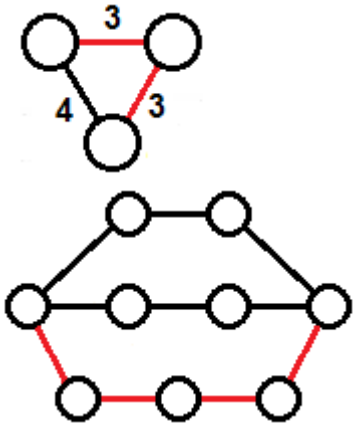
$v_{even} = x_{10.141}$

$v_{odd} = \pm y_{10.141}$

v_2	$-x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$4x_{5.2} - 3x_{5.1} + 6x_{4.1} + 6x_{3.1}$
v_5	$\pm(5y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(12x_{7.7} - 13x_{7.6} + 14x_{7.5} + 3x_{7.2} - 8x_{7.1} - 21x_{6.3} + 55x_{6.2} - 10x_{6.1} - 38x_{5.2} + 39x_{5.1} - 81x_{4.1} - 66x_{3.1})$

10_{142}:



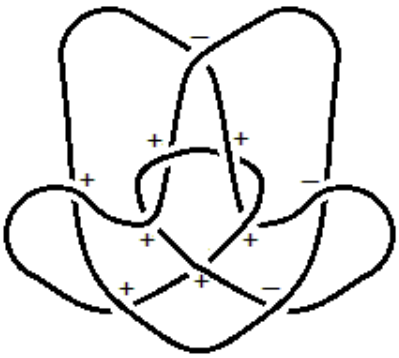


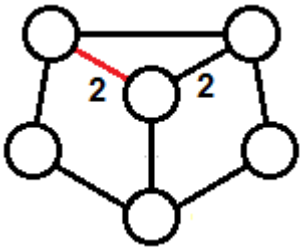
$v_{even} = x_{10.142}$

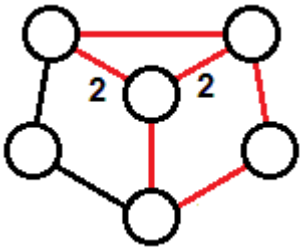
$v_{odd} = \pm y_{10.142}$

v_2	$8x_{3.1}$
v_3	$\pm 21y_{3.1}$
v_4	$-2x_{5.2} + 9x_{5.1} + 3x_{4.1} - 12x_{3.1}$
v_5	$\mp(6y_{6.2} - 13y_{6.1} - 12y_{5.1} + 32y_{3.1})$
v_6	$\frac{1}{8}(-148x_{7.7} + 179x_{7.6} - 42x_{7.5} + 56x_{7.3} - 77x_{7.2} + 16x_{7.1} + 99x_{6.3} - 193x_{6.2} + 110x_{6.1} - 166x_{5.2} - x_{5.1} + 87x_{4.1} + 110x_{3.1})$

10_{143}:





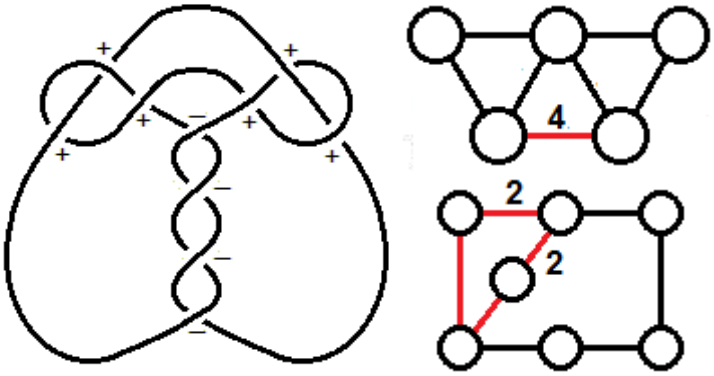


$\boldsymbol{v_{even}} = x_{10.143}$

$\boldsymbol{v_{odd}} = \pm y_{10.143}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\pm 5y_{3.1}$
$\boldsymbol{v_4}$	$-3x_{5.2} + 3x_{5.1} - 3x_{4.1} - 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(8y_{6.2} - 8y_{6.1} - 4y_{5.2} + y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-68x_{7.7} + 51x_{7.6} - 18x_{7.5} + 8x_{7.3} - 13x_{7.2} + 8x_{7.1} + 67x_{6.3} - 89x_{6.2} + 38x_{6.1} - 6x_{5.2} - 33x_{5.1} + 119x_{4.1} + 78x_{3.1})$

10_{144}:

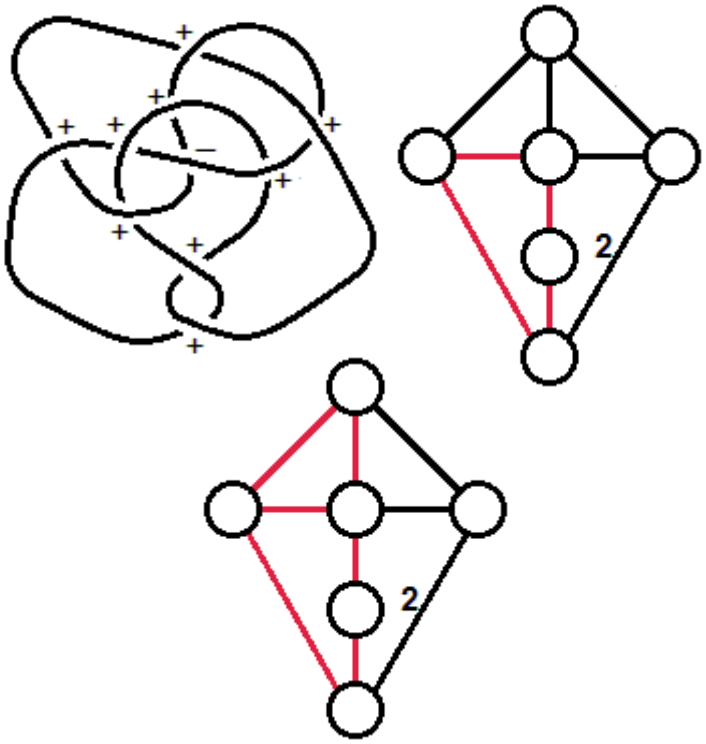


$v_{even} = x_{10.144}$

$v_{odd} = \pm y_{10.144}$

v_2	$-2x_{3.1}$
v_3	$\mp 2y_{3.1}$
v_4	$3x_{5.2} - 3x_{5.1} + 9x_{4.1} + 10x_{3.1}$
v_5	$\pm(8y_{6.2} - 6y_{6.1} - 4y_{5.2} + 2y_{5.1} + 2y_{3.1})$
v_6	$\frac{1}{8}(4x_{7.7} - 13x_{7.6} - 10x_{7.5} - 8x_{7.3} + 19x_{7.2} - 13x_{6.3} + 47x_{6.2} + 6x_{6.1} - 38x_{5.2} + 55x_{5.1} - 89x_{4.1} - 82x_{3.1})$

10_{145}:

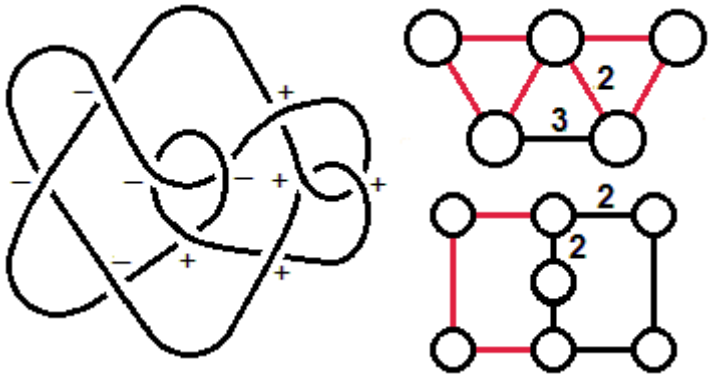


$\boldsymbol{v_{even}} = x_{10.145}$

$\boldsymbol{v_{odd}} = \pm y_{10.145}$

$\boldsymbol{v_2}$	$5x_{3.1}$
$\boldsymbol{v_3}$	$\pm 12y_{3.1}$
$\boldsymbol{v_4}$	$8x_{5.2} + x_{5.1} - x_{4.1} - 15x_{3.1}$
$\boldsymbol{v_5}$	$\pm(2y_{6.2} - 4y_{6.1} + 12y_{5.2} + 2y_{5.1} - 36y_{3.1})$
$\boldsymbol{v_6}$	$-x_{7.7} - 3x_{7.6} + x_{7.3} + 4x_{7.2} - x_{6.1} - 5x_{5.2} - 3x_{5.1} + 6x_{4.1} + 13x_{3.1}$

$\mathbf{10_{146}}$:

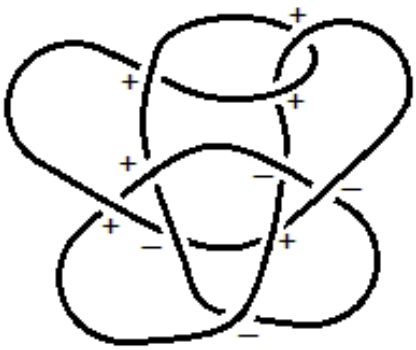


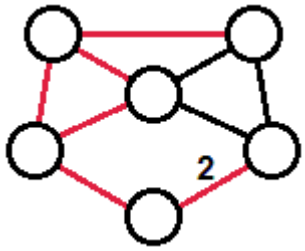
$\boldsymbol{v_{even}} = x_{10.146}$

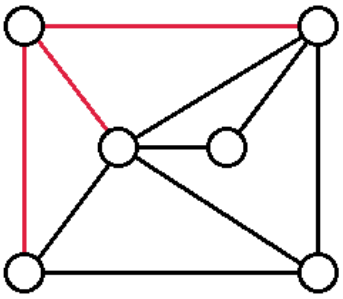
$\boldsymbol{v_{odd}} = \pm y_{10.146}$

$\boldsymbol{v_2}$	0
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-3x_{5.2} + 2x_{5.1} - 3x_{4.1} - 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(5y_{6.2} - 6y_{6.1} - 4y_{5.2} + 2y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$7x_{7.7} - x_{7.6} + 3x_{7.5} - x_{7.3} - 2x_{7.2} + x_{6.3} + 6x_{6.2} - 3x_{6.1} + 15x_{5.2} - 5x_{5.1} - 6x_{4.1} - 15x_{3.1}$

$\mathbf{10_{147}}$:





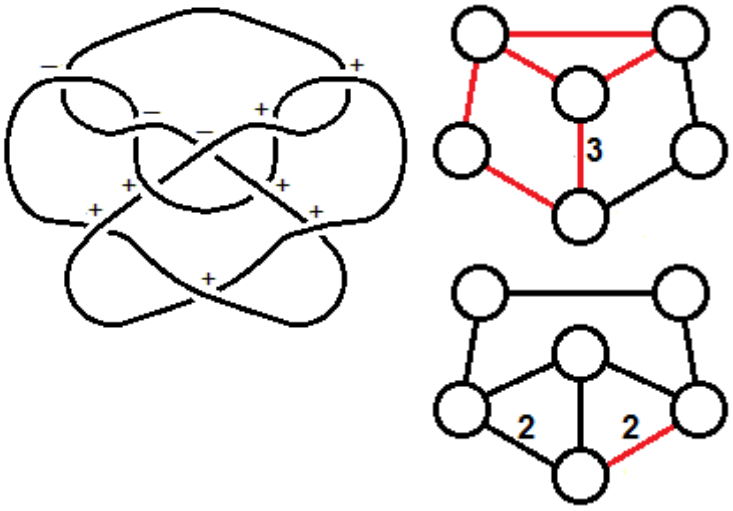


$\boldsymbol{v_{even}} = x_{10.147}$

$\boldsymbol{v_{odd}} = \pm y_{10.147}$

$\boldsymbol{v_2}$	$-x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$3x_{5.2} - 2x_{5.1} + 4x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(y_{6.2} - 2y_{6.1} - 2y_{5.2} + y_{5.1})$
$\boldsymbol{v_6}$	$-x_{7.7} + x_{6.2} + x_{4.1}$

10_{148}:

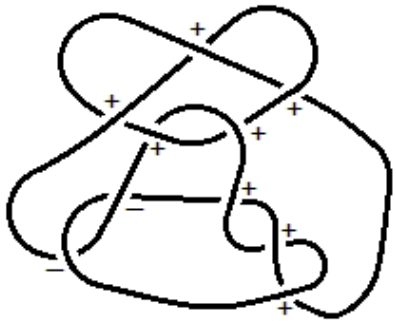


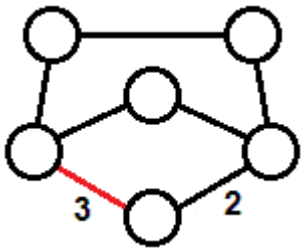
$v_{even} = x_{10.148}$

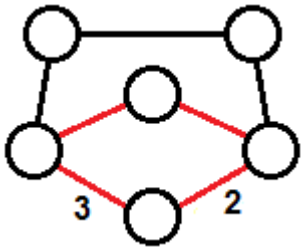
$v_{odd} = \pm y_{10.148}$

v_2	$4x_{3.1}$
v_3	$\pm 7y_{3.1}$
v_4	$-3x_{5.2} + 3x_{5.1} + x_{3.1}$
v_5	$\mp(6y_{6.2} - 8y_{6.1} - 3y_{5.2})$
v_6	$\frac{1}{8}(-88x_{7.7} + 50x_{7.6} - 28x_{7.5} + 16x_{7.3} - 14x_{7.2} + 8x_{7.1} + 74x_{6.3} - 102x_{6.2} + 36x_{6.1} - 28x_{5.2} - 30x_{5.1} + 178x_{4.1} + 140x_{3.1})$

10_{149}:





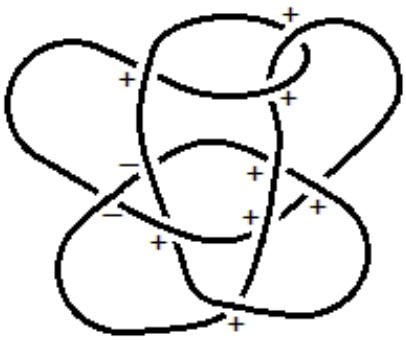


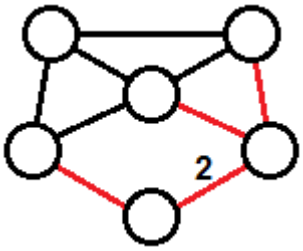
$\boldsymbol{v_{even}} = x_{10.149}$

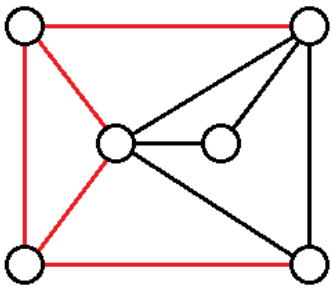
$\boldsymbol{v_{odd}} = \pm y_{10.149}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$-x_{5.1} + 4x_{4.1} + 9x_{3.1}$
$\boldsymbol{v_5}$	$\pm(4y_{6.2} - 2y_{5.2} + 12y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(8x_{7.7} + 2x_{7.6} - 12x_{7.5} + 8x_{7.3} + 2x_{7.2} - 8x_{7.1} - 6x_{6.3} + 34x_{6.2} + 4x_{6.1} - 52x_{5.2} + 74x_{5.1} - 110x_{4.1} - 108x_{3.1})$

10_{150}:





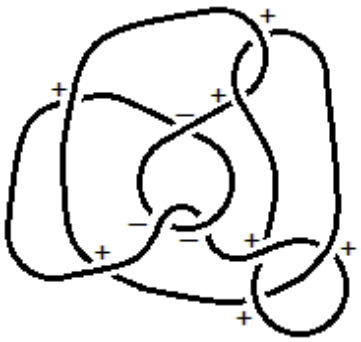


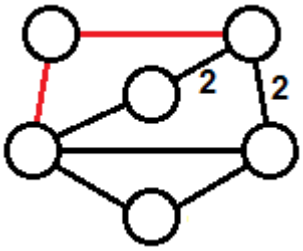
$\boldsymbol{v_{even}} = x_{10.150}$

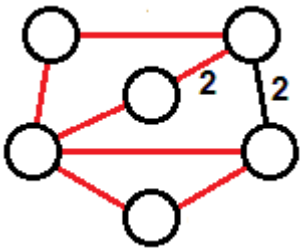
$\boldsymbol{v_{odd}} = \pm y_{10.150}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm y_{3.1}$
$\boldsymbol{v_4}$	$3x_{5.2} - 2x_{5.1} + 3x_{4.1} + 4x_{3.1}$
$\boldsymbol{v_5}$	$\pm(2y_{6.2} + 2y_{5.2} - y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(20x_{7.7} - 9x_{7.6} + 14x_{7.5} + 4x_{7.3} - 5x_{7.2} - 8x_{7.1} - 9x_{6.3} + 47x_{6.2} - 14x_{6.1} + 6x_{5.2} + 15x_{5.1} - 65x_{4.1} - 70x_{3.1})$

$\mathbf{10_{151}}$:





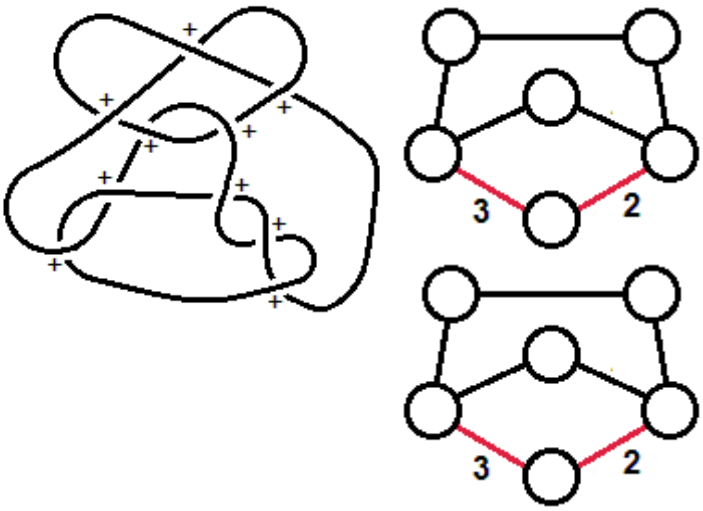


$\boldsymbol{v_{even}} = x_{10.151}$

$\boldsymbol{v_{odd}} = \pm y_{10.151}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\pm 4y_{3.1}$
$\boldsymbol{v_4}$	$-3x_{5.2} + 2x_{5.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\mp(2y_{6.2} - 3y_{6.1} - y_{5.2} - 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-44x_{7.7} + 7x_{7.6} - 18x_{7.5} + 4x_{7.3} - 5x_{7.2} + 8x_{7.1} + 47x_{6.3} - 49x_{6.2} + 10x_{6.1} + 46x_{5.2} - 41x_{5.1} + 127x_{4.1} + 74x_{3.1})$

10_{152}:

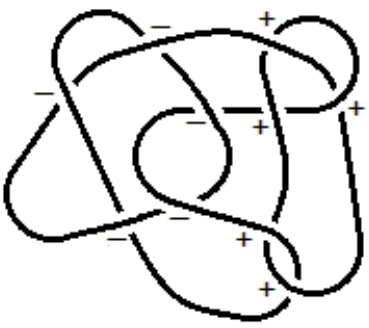


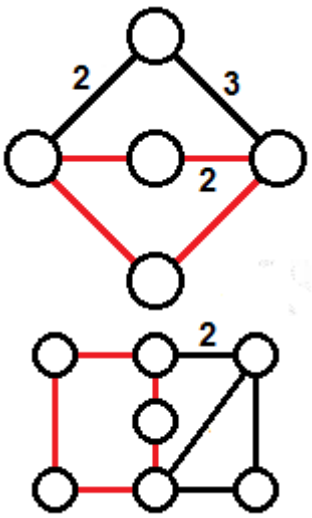
$v_{even} = x_{10.152}$

$v_{odd} = \pm y_{10.152}$

v_2	$7x_{3.1}$
v_3	$\pm 15y_{3.1}$
v_4	$-21x_{5.2} + 13x_{5.1} + 3x_{4.1} + 13x_{3.1}$
v_5	$\mp(28y_{6.2} - 44y_{6.1} + 22y_{5.2} - 8y_{5.1} - 57y_{3.1})$
v_6	$\frac{1}{8}(-452x_{7.7} + 639x_{7.6} - 202x_{7.5} + 88x_{7.3} - 241x_{7.2} + 56x_{7.1} + 359x_{6.3} - 685x_{6.2} + 398x_{6.1} - 286x_{5.2} + 99x_{5.1} + 315x_{4.1} + 62x_{3.1})$

10_{153}:



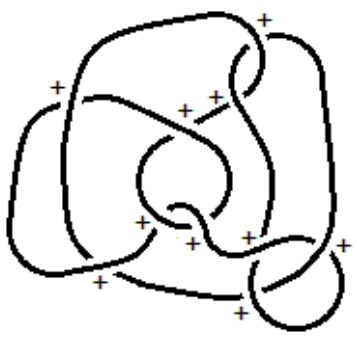


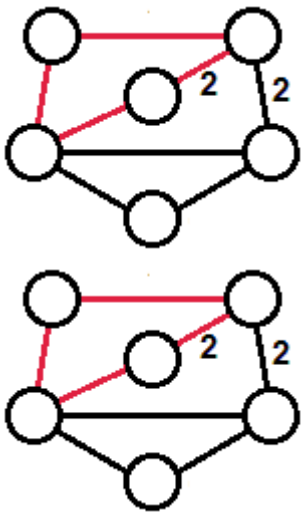
$v_{even} = x_{10.153}$

$v_{odd} = \pm y_{10.153}$

v_2	$4x_{3.1}$
v_3	$\overline{+}y_{3.1}$
v_4	$-12x_{5.2} + 5x_{5.1} + 3x_{4.1} + 16x_{3.1}$
v_5	$\overline{+}(y_{6.2} - y_{6.1} - 2y_{5.2} + y_{5.1} + 2y_{3.1})$
v_6	$\frac{1}{8}(-264x_{7.7} + 12x_{7.6} - 72x_{7.5} + 44x_{7.3} + 8x_{7.2} + 8x_{7.1} + 148x_{6.3} - 224x_{6.2} + 44x_{6.1} - 188x_{5.2} - 40x_{5.1} + 560x_{4.1} + 524x_{3.1})$

10_{154}:



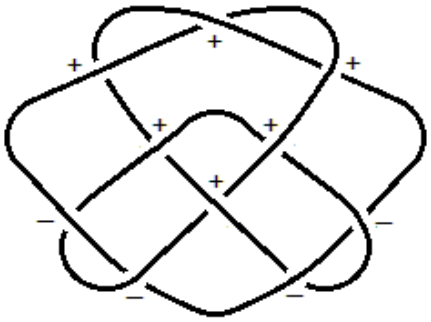


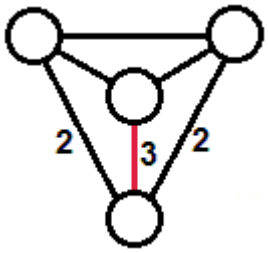
$v_{even} = x_{10.154}$

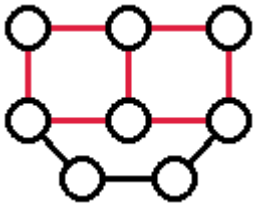
$v_{odd} = \pm y_{10.154}$

v_2	$5x_{3.1}$
v_3	$\pm 9y_{3.1}$
v_4	$-11x_{5.2} + 6x_{5.1} + 3x_{4.1} + 12x_{3.1}$
v_5	$\mp(12y_{6.2} - 22y_{6.1} + 12y_{5.2} - 3y_{5.1} - 40y_{3.1})$
v_6	$\frac{1}{8}(-164x_{7.7} + 281x_{7.6} - 70x_{7.5} + 48x_{7.3} - 127x_{7.2} + 8x_{7.1} + 129x_{6.3} - 259x_{6.2} + 186x_{6.1} - 122x_{5.2} + 109x_{5.1} - 59x_{4.1} - 190x_{3.1})$

10_{155}:





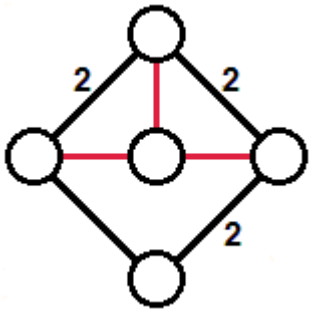


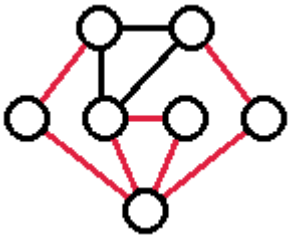
$\boldsymbol{v_{even}} = x_{10.155}$

$\boldsymbol{v_{odd}} = \pm y_{10.155}$

$\boldsymbol{v_2}$	$-2x_{3.1}$
$\boldsymbol{v_3}$	$\mp 2y_{3.1}$
$\boldsymbol{v_4}$	$3x_{5.2} - 3x_{5.1} + 9x_{4.1} + 10x_{3.1}$
$\boldsymbol{v_5}$	$\pm(3y_{6.2} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(8x_{7.7} + 2x_{7.6} + 12x_{7.5} + 2x_{7.2} - 8x_{7.1} - 6x_{6.3} + 58x_{6.2} + 4x_{6.1} - 52x_{5.2} + 50x_{5.1} - 110x_{4.1} - 100x_{3.1})$

10_{156}:



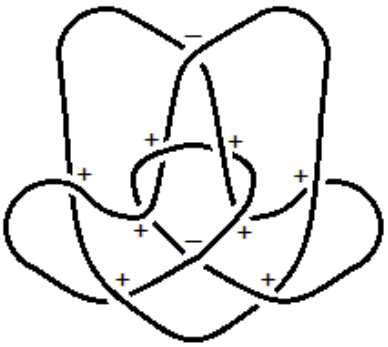


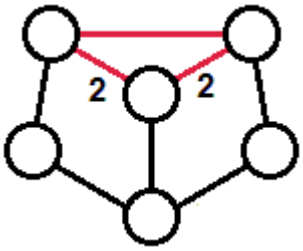
$$v_{even} = x_{10.156}$$

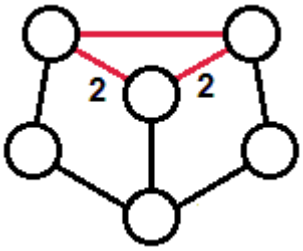
$$v_{odd} = \pm y_{10.156}$$

v_2	$x_{3.1}$
v_3	$\pm y_{3.1}$
v_4	$-3x_{5.2} + 2x_{5.1} - 3x_{4.1} - 2x_{3.1}$
v_5	$\pm(2y_{6.2} - 4y_{6.1} - 4y_{5.2} + 2y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(68x_{7.7} - 25x_{7.6} + 14x_{7.5} - 20x_{7.3} - 5x_{7.2} + 8x_{7.1} - x_{6.3} + 55x_{6.2} - 30x_{6.1} + 166x_{5.2} - 49x_{5.1} - 41x_{4.1} - 118x_{3.1})$

10_{157}:





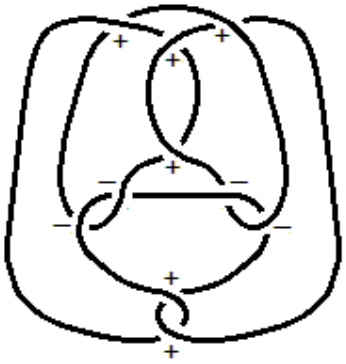


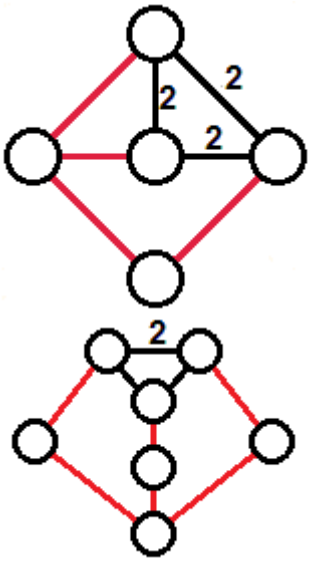
$\boldsymbol{v_{even}} = x_{10.157}$

$\boldsymbol{v_{odd}} = \pm y_{10.157}$

$\boldsymbol{v_2}$	$4x_{3.1}$
$\boldsymbol{v_3}$	$\pm 8y_{3.1}$
$\boldsymbol{v_4}$	$4x_{5.2} + 2x_{4.1} - 2x_{3.1}$
$\boldsymbol{v_5}$	$\pm(5y_{6.2} - 4y_{6.1} + 2y_{5.2} + 2y_{5.1} - 7y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-4x_{7.7} - 25x_{7.6} - 10x_{7.5} + 8x_{7.3} + 23x_{7.2} - 8x_{7.1} - 33x_{6.3} + 19x_{6.2} - 2x_{6.1} - 94x_{5.2} + 75x_{5.1} - 61x_{4.1} - 18x_{3.1})$

10_{158}:



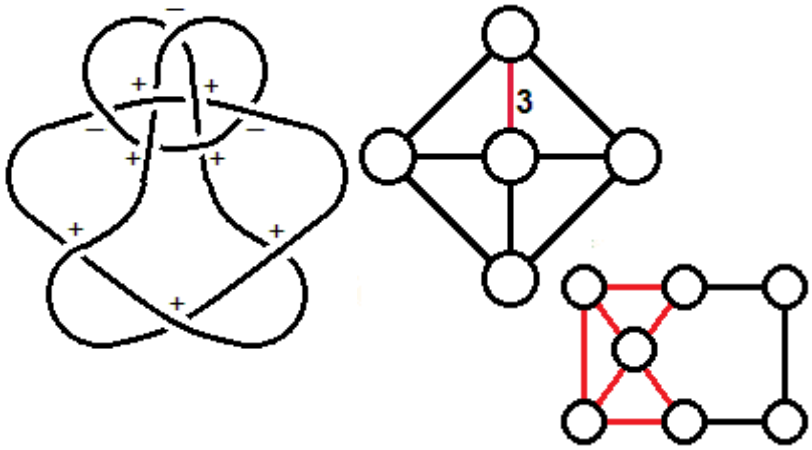


$v_{even} = x_{10.158}$

$v_{odd} = \pm y_{10.158}$

v_2	$-3x_{3.1}$
v_3	$\mp y_{3.1}$
v_4	$x_{5.2} - 2x_{5.1} + 11x_{4.1} + 12x_{3.1}$
v_5	$\mp(2y_{6.2} - 4y_{6.1} - 2y_{5.2} + y_{5.1})$
v_6	$\frac{1}{8}(-36x_{7.7} + 15x_{7.6} - 2x_{7.5} + 4x_{7.3} + 11x_{7.2} - 8x_{7.1} - x_{6.3} + 7x_{6.2} + 42x_{6.1} - 130x_{5.2} + 79x_{5.1} - 97x_{4.1} - 54x_{3.1})$

10_{159}:

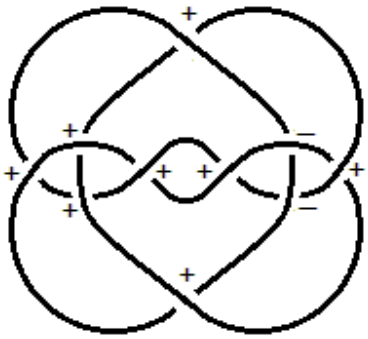


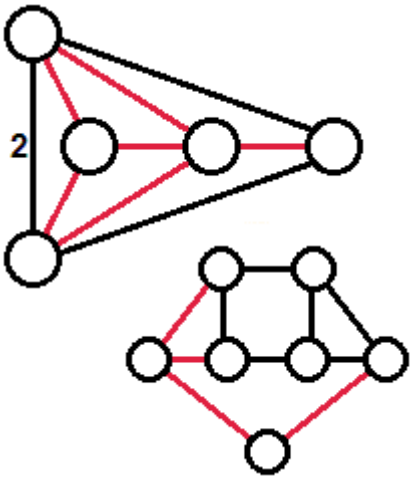
$v_{even} = x_{10.159}$

$v_{odd} = \pm y_{10.159}$

v_2	$2x_{3.1}$
v_3	$\pm 3y_{3.1}$
v_4	$-2x_{5.2} + 2x_{5.1} - 3x_{4.1} - 3x_{3.1}$
v_5	$\mp(2y_{6.2} + y_{5.2} - y_{5.1} + y_{3.1})$
v_6	$\frac{1}{8}(44x_{7.7} - 9x_{7.6} + 14x_{7.5} - 16x_{7.3} - 9x_{7.2} + 8x_{7.1} + 7x_{6.3} + 27x_{6.2} - 18x_{6.1} + 138x_{5.2} - 53x_{5.1} - 5x_{4.1} - 66x_{3.1})$

10_{160}:



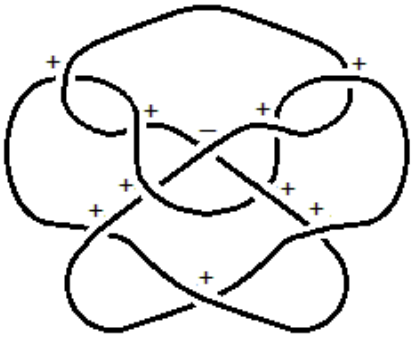


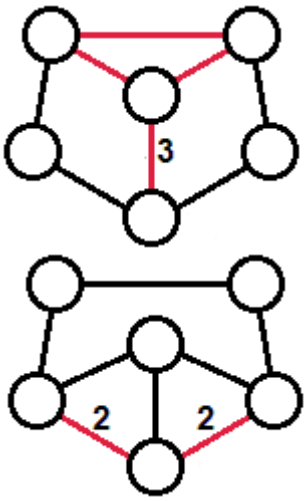
$\boldsymbol{v_{even}} = x_{10.160}$

$\boldsymbol{v_{odd}} = \pm y_{10.160}$

$\boldsymbol{v_2}$	$3x_{3.1}$
$\boldsymbol{v_3}$	$\pm 6y_{3.1}$
$\boldsymbol{v_4}$	$7x_{5.2} - 2x_{5.1} + 2x_{4.1} - 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(2y_{6.2} - y_{6.1} + 7y_{5.2} - y_{5.1} - 9y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-12x_{7.7} - x_{7.6} - 2x_{7.5} + 12x_{7.3} + 11x_{7.2} - 8x_{7.1} - 17x_{6.3} - x_{6.2} + 2x_{6.1} - 74x_{5.2} + 31x_{5.1} - 9x_{4.1} + 42x_{3.1})$

$\mathbf{10_{161}}$:



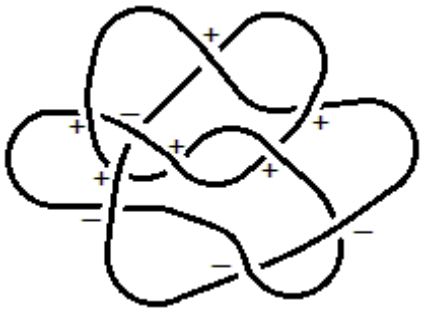


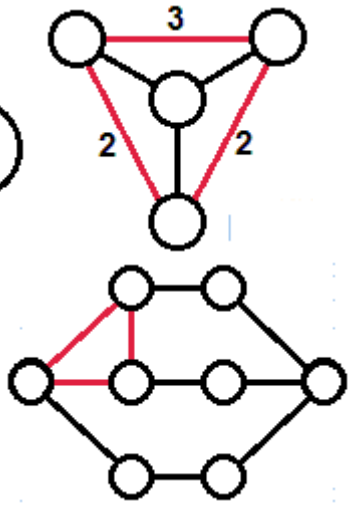
$\boldsymbol{v_{even}} = x_{10.161}$

$\boldsymbol{v_{odd}} = \pm y_{10.161}$

$\boldsymbol{v_2}$	$7x_{3.1}$
$\boldsymbol{v_3}$	$\pm 18y_{3.1}$
$\boldsymbol{v_4}$	$3x_{5.2} + 6x_{5.1} - 17x_{3.1}$
$\boldsymbol{v_5}$	$\pm(6y_{5.2} + 9y_{5.1} - 45y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(-28x_{7.7} + 5x_{7.6} + 2x_{7.5} + 16x_{7.3} + 5x_{7.2} + 8x_{7.1} + 13x_{6.3} - 23x_{6.2} + 10x_{6.1} - 58x_{5.2} - 31x_{5.1} + 33x_{4.1} + 98x_{3.1})$

10_{162}:



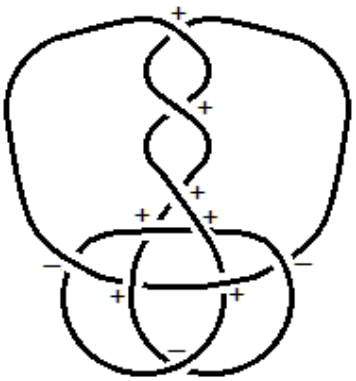


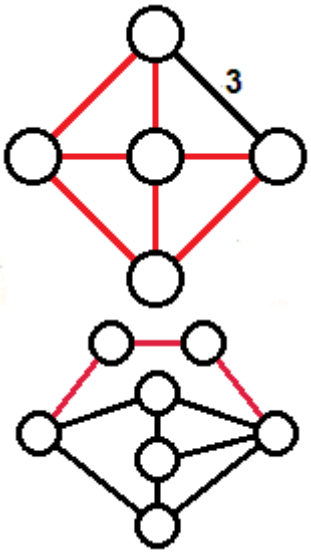
$v_{even} = x_{10.162}$

$v_{odd} = \pm y_{10.162}$

v_2	$-3x_{3.1}$
v_3	$\mp 4y_{3.1}$
v_4	$-3x_{5.1} + 15x_{4.1} + 21x_{3.1}$
v_5	$\pm(6y_{6.2} + y_{6.1} - 3y_{5.2} + y_{5.1} + 7y_{3.1})$
v_6	$\frac{1}{8}(32x_{7.7} + 10x_{7.6} - 4x_{7.5} - 12x_{7.3} + 6x_{7.2} + 2x_{6.3} + 78x_{6.2} + 40x_{6.1} + 16x_{5.2} + 62x_{5.1} - 258x_{4.1} - 264x_{3.1})$

10_{163}:



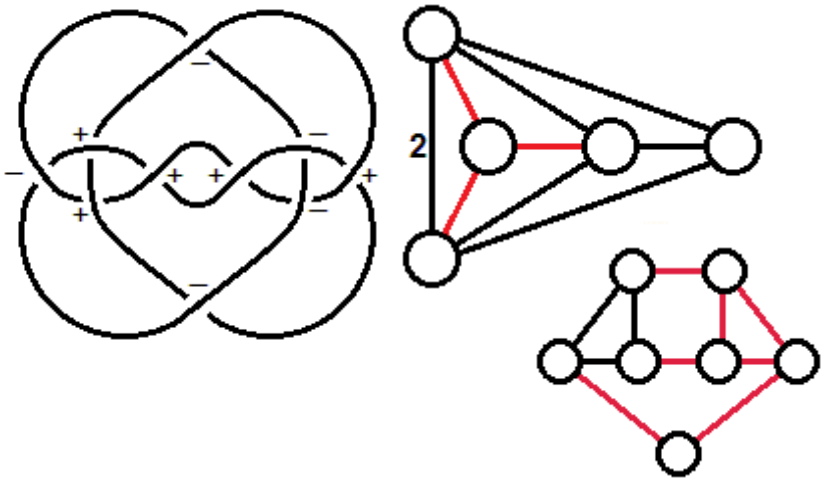


$\boldsymbol{v_{even}} = x_{10.163}$

$\boldsymbol{v_{odd}} = \pm y_{10.163}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	$\pm 2y_{3.1}$
$\boldsymbol{v_4}$	$+x_{5.1} - 3x_{4.1} - 5x_{3.1}$
$\boldsymbol{v_5}$	$\pm(y_{6.2} - 3y_{6.1} - y_{5.2} + y_{5.1} - 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(68x_{7.7} - 17x_{7.6} + 14x_{7.5} - 20x_{7.3} - 5x_{7.2} + 8x_{7.1} - x_{6.3} + 55x_{6.2} - 30x_{6.1} + 166x_{5.2} - 49x_{5.1} - 41x_{4.1} - 126x_{3.1})$

$\mathbf{10_{164}}$:

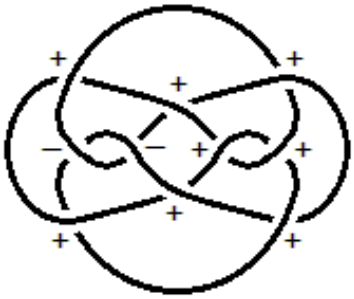


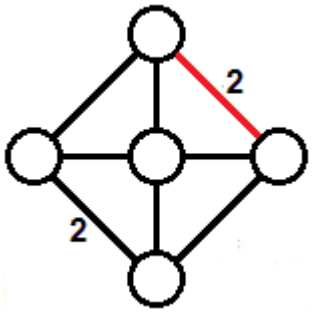
$\boldsymbol{v_{even}} = x_{10.164}$

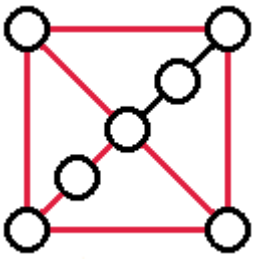
$\boldsymbol{v_{odd}} = \pm y_{10.164}$

$\boldsymbol{v_2}$	$x_{3.1}$
$\boldsymbol{v_3}$	0
$\boldsymbol{v_4}$	$-5x_{5.2} + 3x_{5.1} - 4x_{4.1} - 2x_{3.1}$
$\boldsymbol{v_5}$	$\pm(5y_{6.2} - 6y_{6.1} - 4y_{5.2} + 2y_{5.1} + y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(24x_{7.7} + 2x_{7.6} + 12x_{7.5} - 4x_{7.3} - 10x_{7.2} + 26x_{6.3} + 22x_{6.2} - 8x_{6.1} + 64x_{5.2} - 18x_{5.1} - 34x_{4.1} - 96x_{3.1})$

10_{165}:







$\boldsymbol{v_{even}} = x_{10.165}$

$\boldsymbol{v_{odd}} = \pm y_{10.165}$

$\boldsymbol{v_2}$	$2x_{3.1}$
$\boldsymbol{v_3}$	$\pm 3y_{3.1}$
$\boldsymbol{v_4}$	$4x_{5.2} - 2x_{5.1} + 3x_{4.1} + 3x_{3.1}$
$\boldsymbol{v_5}$	$\pm(7y_{6.2} - 6y_{6.1} - y_{5.2} + y_{5.1} + 2y_{3.1})$
$\boldsymbol{v_6}$	$\frac{1}{8}(104x_{7.7} - 62x_{7.6} + 20x_{7.5} - 20x_{7.3} + 6x_{7.2} - 46x_{6.3} + 126x_{6.2} - 56x_{6.1} + 168x_{5.2} - 10x_{5.1} - 130x_{4.1} - 192x_{3.1})$