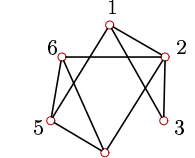
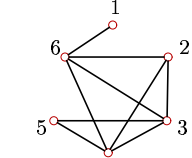
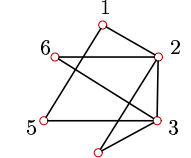
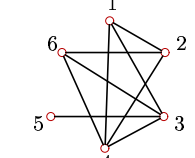
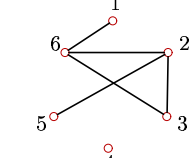
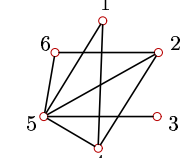
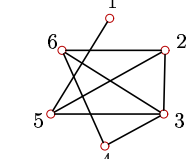
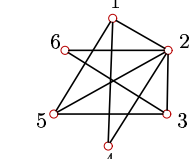
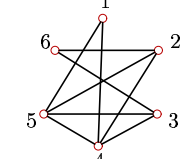
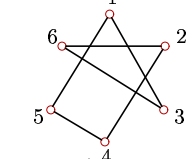
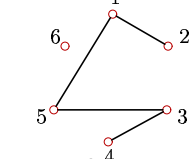
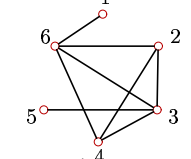
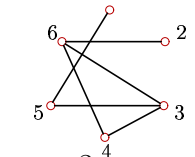
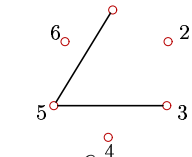
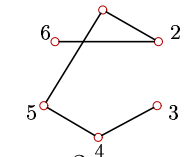


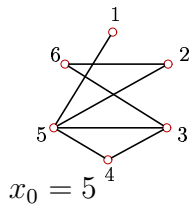
Хроматический полином (6)

Найти хроматический полином графа, хроматическую редукцию и число раскрасок x_0 цветами.

<p>Задача G-10.1. 888</p>  <p>$x_0 = 4^4$</p>	<p>Задача G-10.2. 888</p>  <p>$x_0 = 4^4$</p>	<p>Задача G-10.3. 888</p>  <p>$x_0 = 4^4$</p>
<p>Задача G-10.4. 888</p>  <p>$x_0 = 4^4$</p>	<p>Задача G-10.5. 888</p>  <p>$x_0 = 5^4$</p>	<p>Задача G-10.6. 888</p>  <p>$x_0 = 5^4$</p>
<p>Задача G-10.7. 888</p>  <p>$x_0 = 5^4$</p>	<p>Задача G-10.8. 888</p>  <p>$x_0 = 6^4$</p>	<p>Задача G-10.9. 888</p>  <p>$x_0 = 5^4$</p>
<p>Задача G-10.10. 888</p>  <p>$x_0 = 4^4$</p>	<p>Задача G-10.11. 888</p>  <p>$x_0 = 6^4$</p>	<p>Задача G-10.12. 888</p>  <p>$x_0 = 4^4$</p>
<p>Задача G-10.13. 888</p>  <p>$x_0 = 3^4$</p>	<p>Задача G-10.14. 888</p>  <p>$x_0 = 6^4$</p>	<p>Задача G-10.15. 888</p>  <p>$x_0 = 3^4$</p>

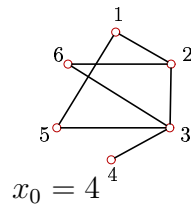
Задача G-10.16.

888



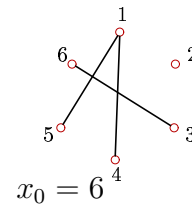
Задача G-10.17.

888



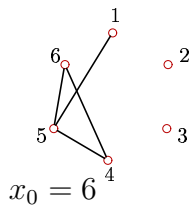
Задача G-10.18.

888



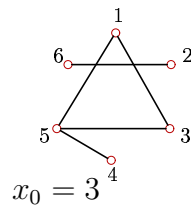
Задача G-10.19.

888



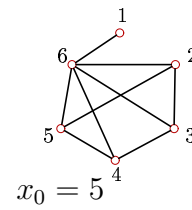
Задача G-10.20.

888



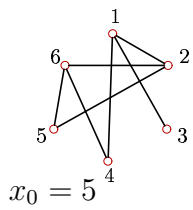
Задача G-10.21.

888



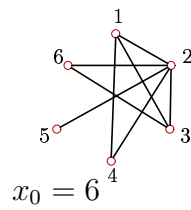
Задача G-10.22.

888



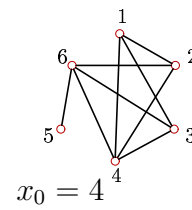
Задача G-10.23.

888



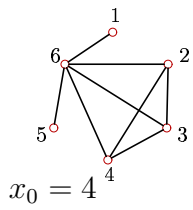
Задача G-10.24.

888



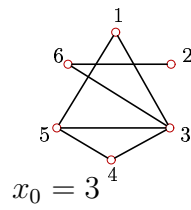
Задача G-10.25.

888



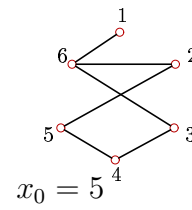
Задача G-10.26.

888



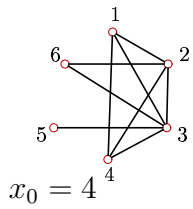
Задача G-10.27.

888



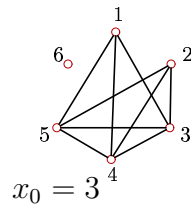
Задача G-10.28.

888



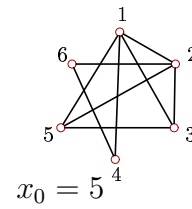
Задача G-10.29.

888



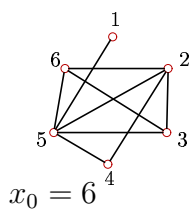
Задача G-10.30.

888



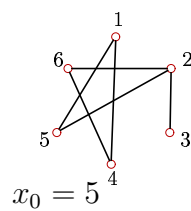
Задача G-10.31.

888



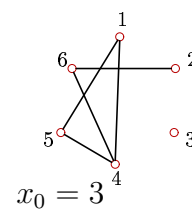
Задача G-10.32.

888



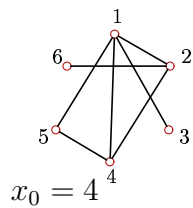
Задача G-10.33.

888



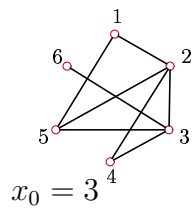
Задача G-10.34.

888



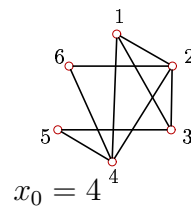
Задача G-10.35.

888



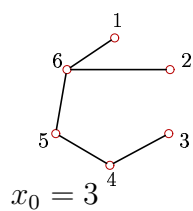
Задача G-10.36.

888



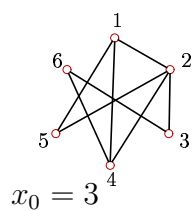
Задача G-10.37.

888



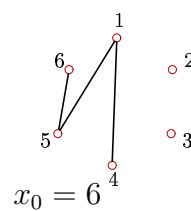
Задача G-10.38.

888



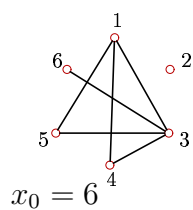
Задача G-10.39.

888



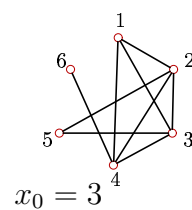
Задача G-10.40.

888



Задача G-10.41.

888



G-10

Ответы.
Хроматический полином (6)

15-Nov-19

№	$C(x)$	Редукция	$C(x_0)$
1	$x^6 - 9x^5 + 33x^4 - 61x^3 + 56x^2 - 20x$	$2x^{(3)} + 8x^{(4)} + 6x^{(5)} + x^{(6)}$	240
2	$x^6 - 9x^5 + 31x^4 - 51x^3 + 40x^2 - 12x$	$6x^{(4)} + 6x^{(5)} + x^{(6)}$	144
3	$x^6 - 8x^5 + 26x^4 - 43x^3 + 36x^2 - 12x$	$3x^{(3)} + 11x^{(4)} + 7x^{(5)} + x^{(6)}$	336
4	$x^6 - 9x^5 + 32x^4 - 55x^3 + 45x^2 - 14x$	$2x^{(3)} + 7x^{(4)} + 6x^{(5)} + x^{(6)}$	216
5	$x^6 - 5x^5 + 9x^4 - 7x^3 + 2x^2$	$12x^{(3)} + 24x^{(4)} + 10x^{(5)} + x^{(6)}$	4800
6	$x^6 - 8x^5 + 25x^4 - 38x^3 + 28x^2 - 8x$	$2x^{(3)} + 10x^{(4)} + 7x^{(5)} + x^{(6)}$	2160
7	$x^6 - 8x^5 + 25x^4 - 38x^3 + 28x^2 - 8x$	$2x^{(3)} + 10x^{(4)} + 7x^{(5)} + x^{(6)}$	2160
8	$x^6 - 9x^5 + 32x^4 - 56x^3 + 48x^2 - 16x$	$x^{(3)} + 7x^{(4)} + 6x^{(5)} + x^{(6)}$	7680
9	$x^6 - 9x^5 + 33x^4 - 61x^3 + 56x^2 - 20x$	$2x^{(3)} + 8x^{(4)} + 6x^{(5)} + x^{(6)}$	1800
10	$x^6 - 6x^5 + 15x^4 - 20x^3 + 15x^2 - 5x$	$x^{(2)} + 10x^{(3)} + 20x^{(4)} + 9x^{(5)} + x^{(6)}$	732
11	$x^6 - 4x^5 + 6x^4 - 4x^3 + x^2$	$2x^{(2)} + 22x^{(3)} + 31x^{(4)} + 11x^{(5)} + x^{(6)}$	22500
12	$x^6 - 8x^5 + 24x^4 - 34x^3 + 23x^2 - 6x$	$9x^{(4)} + 7x^{(5)} + x^{(6)}$	216
13	$x^6 - 6x^5 + 14x^4 - 16x^3 + 9x^2 - 2x$	$8x^{(3)} + 19x^{(4)} + 9x^{(5)} + x^{(6)}$	48
14	$x^6 - 2x^5 + x^4$	$8x^{(2)} + 46x^{(3)} + 46x^{(4)} + 13x^{(5)} + x^{(6)}$	32400
15	$x^6 - 5x^5 + 10x^4 - 10x^3 + 5x^2 - x$	$x^{(2)} + 15x^{(3)} + 25x^{(4)} + 10x^{(5)} + x^{(6)}$	96
16	$x^6 - 7x^5 + 20x^4 - 29x^3 + 21x^2 - 6x$	$6x^{(3)} + 15x^{(4)} + 8x^{(5)} + x^{(6)}$	3120
17	$x^6 - 7x^5 + 20x^4 - 29x^3 + 21x^2 - 6x$	$6x^{(3)} + 15x^{(4)} + 8x^{(5)} + x^{(6)}$	504
18	$x^6 - 3x^5 + 3x^4 - x^3$	$4x^{(2)} + 32x^{(3)} + 38x^{(4)} + 12x^{(5)} + x^{(6)}$	27000
19	$x^6 - 4x^5 + 5x^4 - 2x^3$	$18x^{(3)} + 30x^{(4)} + 11x^{(5)} + x^{(6)}$	21600
20	$x^6 - 5x^5 + 9x^4 - 7x^3 + 2x^2$	$12x^{(3)} + 24x^{(4)} + 10x^{(5)} + x^{(6)}$	72
21	$x^6 - 9x^5 + 32x^4 - 55x^3 + 45x^2 - 14x$	$2x^{(3)} + 7x^{(4)} + 6x^{(5)} + x^{(6)}$	1680
22	$x^6 - 7x^5 + 20x^4 - 29x^3 + 21x^2 - 6x$	$6x^{(3)} + 15x^{(4)} + 8x^{(5)} + x^{(6)}$	3120
23	$x^6 - 8x^5 + 25x^4 - 38x^3 + 28x^2 - 8x$	$2x^{(3)} + 10x^{(4)} + 7x^{(5)} + x^{(6)}$	9600
24	$x^6 - 9x^5 + 32x^4 - 55x^3 + 45x^2 - 14x$	$2x^{(3)} + 7x^{(4)} + 6x^{(5)} + x^{(6)}$	216
25	$x^6 - 8x^5 + 24x^4 - 34x^3 + 23x^2 - 6x$	$9x^{(4)} + 7x^{(5)} + x^{(6)}$	216
26	$x^6 - 7x^5 + 19x^4 - 25x^3 + 16x^2 - 4x$	$4x^{(3)} + 14x^{(4)} + 8x^{(5)} + x^{(6)}$	24
27	$x^6 - 6x^5 + 15x^4 - 20x^3 + 14x^2 - 4x$	$10x^{(3)} + 20x^{(4)} + 9x^{(5)} + x^{(6)}$	4080
28	$x^6 - 9x^5 + 31x^4 - 51x^3 + 40x^2 - 12x$	$6x^{(4)} + 6x^{(5)} + x^{(6)}$	144
29	$x^6 - 9x^5 + 29x^4 - 39x^3 + 18x^2$	$4x^{(4)} + 6x^{(5)} + x^{(6)}$	0
30	$x^6 - 9x^5 + 32x^4 - 57x^3 + 51x^2 - 18x$	$7x^{(4)} + 6x^{(5)} + x^{(6)}$	1560
31	$x^6 - 9x^5 + 31x^4 - 51x^3 + 40x^2 - 12x$	$6x^{(4)} + 6x^{(5)} + x^{(6)}$	7200
32	$x^6 - 6x^5 + 15x^4 - 20x^3 + 14x^2 - 4x$	$10x^{(3)} + 20x^{(4)} + 9x^{(5)} + x^{(6)}$	4080
33	$x^6 - 5x^5 + 9x^4 - 7x^3 + 2x^2$	$12x^{(3)} + 24x^{(4)} + 10x^{(5)} + x^{(6)}$	72
34	$x^6 - 7x^5 + 19x^4 - 25x^3 + 16x^2 - 4x$	$4x^{(3)} + 14x^{(4)} + 8x^{(5)} + x^{(6)}$	432
35	$x^6 - 8x^5 + 25x^4 - 38x^3 + 28x^2 - 8x$	$2x^{(3)} + 10x^{(4)} + 7x^{(5)} + x^{(6)}$	12
36	$x^6 - 9x^5 + 33x^4 - 61x^3 + 56x^2 - 20x$	$2x^{(3)} + 8x^{(4)} + 6x^{(5)} + x^{(6)}$	240
37	$x^6 - 5x^5 + 10x^4 - 10x^3 + 5x^2 - x$	$x^{(2)} + 15x^{(3)} + 25x^{(4)} + 10x^{(5)} + x^{(6)}$	96
38	$x^6 - 8x^5 + 26x^4 - 43x^3 + 36x^2 - 12x$	$3x^{(3)} + 11x^{(4)} + 7x^{(5)} + x^{(6)}$	18
39	$x^6 - 3x^5 + 3x^4 - x^3$	$4x^{(2)} + 32x^{(3)} + 38x^{(4)} + 12x^{(5)} + x^{(6)}$	27000
40	$x^6 - 6x^5 + 13x^4 - 12x^3 + 4x^2$	$6x^{(3)} + 18x^{(4)} + 9x^{(5)} + x^{(6)}$	14400
41	$x^6 - 9x^5 + 31x^4 - 51x^3 + 40x^2 - 12x$	$6x^{(4)} + 6x^{(5)} + x^{(6)}$	0