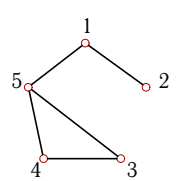


## Хроматический полином (5)

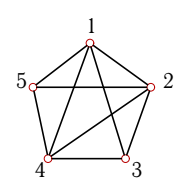
Найти хроматический полином графа, хроматическую редукцию и число раскрасок  $x_0$  цветами.

**Задача 20.1.** /



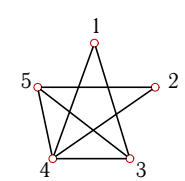
$x_0 = 4$

**Задача 20.2.** /



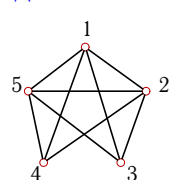
$x_0 = 6$

**Задача 20.3.** /



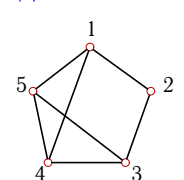
$x_0 = 6$

**Задача 20.4.** /



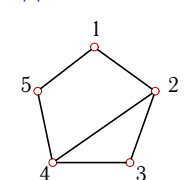
$x_0 = 3$

**Задача 20.5.** /



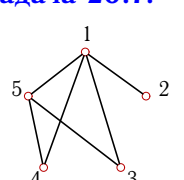
$x_0 = 4$

**Задача 20.6.** /



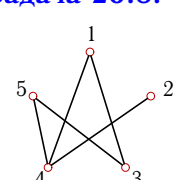
$x_0 = 5$

**Задача 20.7.** /



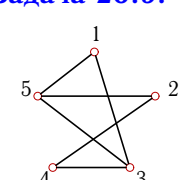
$x_0 = 4$

**Задача 20.8.** /



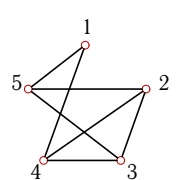
$x_0 = 4$

**Задача 20.9.** /



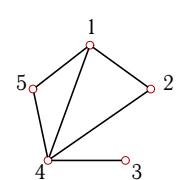
$x_0 = 6$

**Задача 20.10.** /



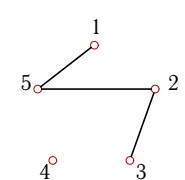
$x_0 = 3$

**Задача 20.11.** /



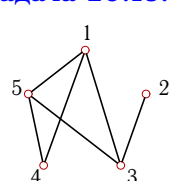
$x_0 = 4$

**Задача 20.12.** /



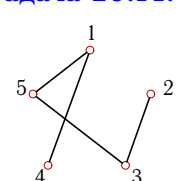
$x_0 = 5$

**Задача 20.13.** /



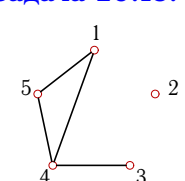
$x_0 = 4$

**Задача 20.14.** /



$x_0 = 4$

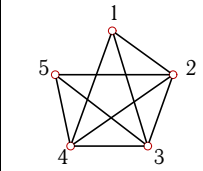
**Задача 20.15.** /



$x_0 = 4$

**Задача 20.16.**

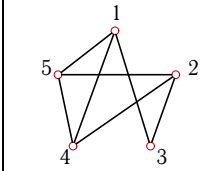
1



$x_0 = 6$

**Задача 20.17.**

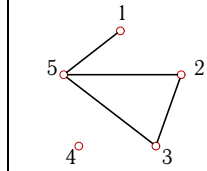
1



$x_0 = 3$

**Задача 20.18.**

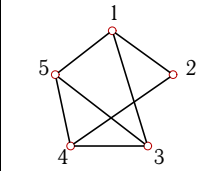
1



$x_0 = 5$

**Задача 20.19.**

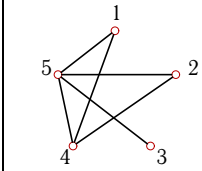
1



$x_0 = 4$

**Задача 20.20.**

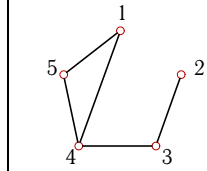
1



$x_0 = 6$

**Задача 20.21.**

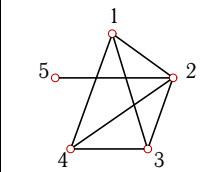
1



$x_0 = 4$

**Задача 20.22.**

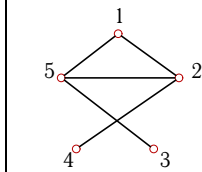
1



$x_0 = 3$

**Задача 20.23.**

1



$x_0 = 6$

**Хроматический полином (5)**

№	$C(x)$	Редукция	$C(x_0)$
1	$x^5 - 5x^4 + 9x^3 - 7x^2 + 2x$	$4x^{(3)} + 5x^{(4)} + x^{(5)}$	216
2	$x^5 - 9x^4 + 29x^3 - 39x^2 + 18x$	$x^{(4)} + x^{(5)}$	1080
3	$x^5 - 7x^4 + 18x^3 - 20x^2 + 8x$	$x^{(3)} + 3x^{(4)} + x^{(5)}$	1920
4	$x^5 - 9x^4 + 29x^3 - 39x^2 + 18x$	$x^{(4)} + x^{(5)}$	0
5	$x^5 - 7x^4 + 19x^3 - 23x^2 + 10x$	$2x^{(3)} + 3x^{(4)} + x^{(5)}$	120
6	$x^5 - 6x^4 + 14x^3 - 15x^2 + 6x$	$3x^{(3)} + 4x^{(4)} + x^{(5)}$	780
7	$x^5 - 6x^4 + 13x^3 - 12x^2 + 4x$	$2x^{(3)} + 4x^{(4)} + x^{(5)}$	144
8	$x^5 - 5x^4 + 10x^3 - 9x^2 + 3x$	$x^{(2)} + 5x^{(3)} + 5x^{(4)} + x^{(5)}$	252
9	$x^5 - 6x^4 + 14x^3 - 15x^2 + 6x$	$3x^{(3)} + 4x^{(4)} + x^{(5)}$	2520
10	$x^5 - 7x^4 + 19x^3 - 23x^2 + 10x$	$2x^{(3)} + 3x^{(4)} + x^{(5)}$	12
11	$x^5 - 6x^4 + 13x^3 - 12x^2 + 4x$	$2x^{(3)} + 4x^{(4)} + x^{(5)}$	144
12	$x^5 - 3x^4 + 3x^3 - x^2$	$2x^{(2)} + 10x^{(3)} + 7x^{(4)} + x^{(5)}$	1600
13	$x^5 - 6x^4 + 13x^3 - 12x^2 + 4x$	$2x^{(3)} + 4x^{(4)} + x^{(5)}$	144
14	$x^5 - 4x^4 + 6x^3 - 4x^2 + x$	$x^{(2)} + 7x^{(3)} + 6x^{(4)} + x^{(5)}$	324
15	$x^5 - 4x^4 + 5x^3 - 2x^2$	$6x^{(3)} + 6x^{(4)} + x^{(5)}$	288
16	$x^5 - 9x^4 + 29x^3 - 39x^2 + 18x$	$x^{(4)} + x^{(5)}$	1080
17	$x^5 - 7x^4 + 19x^3 - 23x^2 + 10x$	$2x^{(3)} + 3x^{(4)} + x^{(5)}$	12
18	$x^5 - 4x^4 + 5x^3 - 2x^2$	$6x^{(3)} + 6x^{(4)} + x^{(5)}$	1200
19	$x^5 - 7x^4 + 19x^3 - 23x^2 + 10x$	$2x^{(3)} + 3x^{(4)} + x^{(5)}$	120
20	$x^5 - 6x^4 + 13x^3 - 12x^2 + 4x$	$2x^{(3)} + 4x^{(4)} + x^{(5)}$	2400
21	$x^5 - 5x^4 + 9x^3 - 7x^2 + 2x$	$4x^{(3)} + 5x^{(4)} + x^{(5)}$	216
22	$x^5 - 7x^4 + 17x^3 - 17x^2 + 6x$	$3x^{(4)} + x^{(5)}$	0
23	$x^5 - 5x^4 + 9x^3 - 7x^2 + 2x$	$4x^{(3)} + 5x^{(4)} + x^{(5)}$	3000