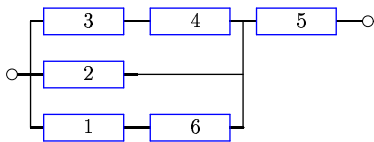


## Вероятность безотказной работы цепи

Найти вероятность безотказной работы функциональной цепи из независимых элементов. Дана вероятность безотказной работы каждого элемента.

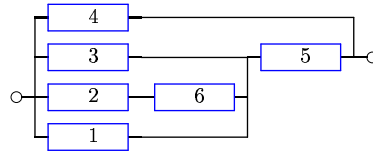
**Задача 29.1.** *Алексахин Антон*



$$p_1 = 0.4, p_2 = 0.3, p_3 = 0.6,$$

$$p_4 = 0.4, p_5 = 0.8, p_6 = 0.2.$$

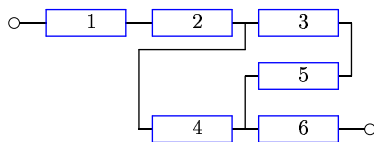
**Задача 29.2.** *Балов Артём Игоревич*



$$p_1 = 0.8, p_2 = 0.6, p_3 = 0.4,$$

$$p_4 = 0.2, p_5 = 0.7, p_6 = 0.2.$$

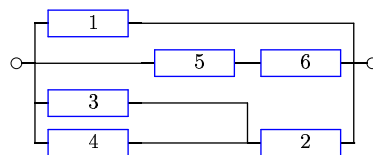
**Задача 29.3.** *Белюсов Георгий Михайлович*



$$p_1 = 0.8, p_2 = 0.4, p_3 = 0.3,$$

$$p_4 = 0.9, p_5 = 0.3, p_6 = 0.4.$$

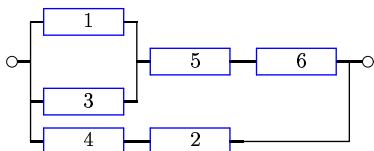
**Задача 29.4.** *Бондаренко Андрей*



$$p_1 = 0.3, p_2 = 0.9, p_3 = 0.3,$$

$$p_4 = 0.7, p_5 = 0.2, p_6 = 0.1.$$

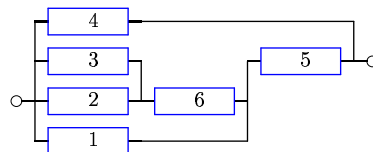
**Задача 29.5.** *Гильманов Булат Наильевич*



$$p_1 = 0.7, p_2 = 0.6, p_3 = 0.2,$$

$$p_4 = 0.9, p_5 = 0.8, p_6 = 0.3.$$

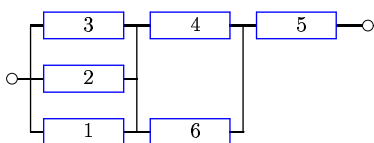
**Задача 29.6.** *Егоров Всеволод Кириллович*



$$p_1 = 0.2, p_2 = 0.6, p_3 = 0.5,$$

$$p_4 = 0.8, p_5 = 0.2, p_6 = 0.9.$$

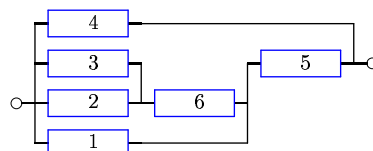
**Задача 29.7.** *Журавлева Анастасия*



$$p_1 = 0.6, p_2 = 0.3, p_3 = 0.4,$$

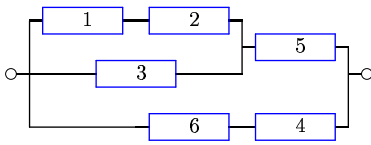
$$p_4 = p_5 = 0.7, p_6 = 0.6.$$

**Задача 29.8.** *Захаров Данил Александрович*



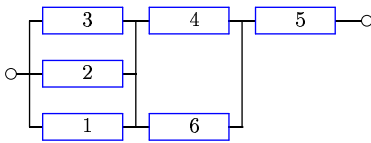
$$p_1 = 0.7, p_2 = 0.2, p_3 = 0.4,$$

$$p_4 = 0.7, p_5 = 0.9, p_6 = 0.5.$$

**Задача 29.9.***Зубрильчев Даниил*

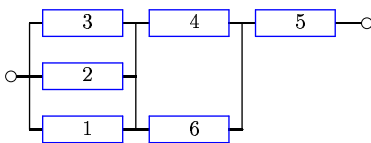
$$p_1 = 0.8, p_2 = 0.9, p_3 = 0.8,$$

$$p_4 = 0.9, p_5 = 0.7, p_6 = 0.9.$$

**Задача 29.11.***Луканин Александр**Сергеевич*

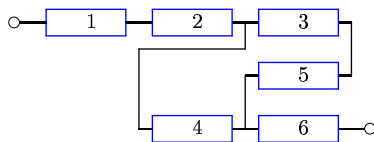
$$p_1 = 0.5, p_2 = 0.9, p_3 = 0.8,$$

$$p_4 = 0.3, p_5 = 0.4, p_6 = 0.3.$$

**Задача 29.13.***Сен Субхам*

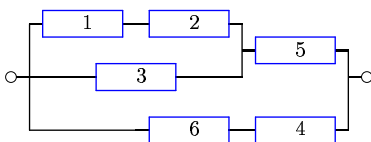
$$p_1 = p_2 = 0.9, p_3 = 0.6,$$

$$p_4 = 0.5, p_5 = 0.9, p_6 = 0.4.$$

**Задача 29.15.***Уткин Артем Евгеньевич*

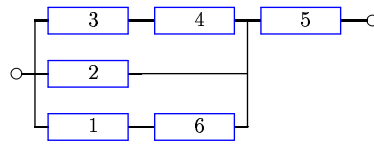
$$p_1 = 0.9, p_2 = 0.2, p_3 = 0.3,$$

$$p_4 = 0.3, p_5 = 0.4, p_6 = 0.3.$$

**Задача 29.17.***Чернышев Егор Вадимович*

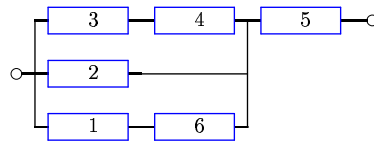
$$p_1 = 0.4, p_2 = 0.8, p_3 = 0.2,$$

$$p_4 = 0.3, p_5 = 0.7, p_6 = 0.3.$$

**Задача 29.10.***Изотов Роман Игоревич*

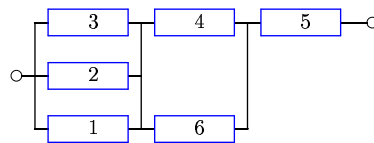
$$p_1 = 0.8, p_2 = 0.7, p_3 = 0.6,$$

$$p_4 = 0.3, p_5 = 0.5, p_6 = 0.7.$$

**Задача 29.12.***Семенов Дмитрий**Сергеевич*

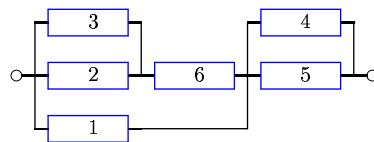
$$p_1 = 0.9, p_2 = 0.5, p_3 = 0.9,$$

$$p_4 = 0.3, p_5 = 0.7, p_6 = 0.3.$$

**Задача 29.14.***Степанова Светлана*

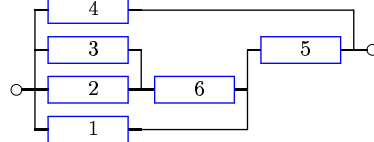
$$p_1 = 0.3, p_2 = 0.2, p_3 = 0.9,$$

$$p_4 = 0.8, p_5 = 0.7, p_6 = 0.9.$$

**Задача 29.16.***Храпов Иван Николаевич*

$$p_1 = p_2 = 0.7, p_3 = 0.5,$$

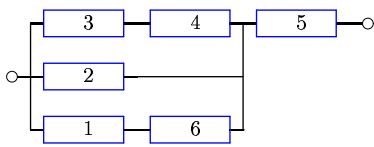
$$p_4 = 0.8, p_5 = 0.4, p_6 = 0.6.$$

**Задача 29.18.**

$$p_1 = 0.2, p_2 = 0.7, p_3 = 0.6,$$

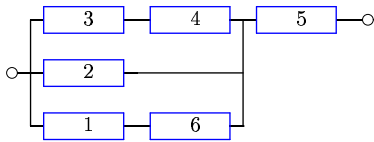
$$p_4 = 0.7, p_5 = 0.6, p_6 = 0.5.$$

**Задача 29.19.**



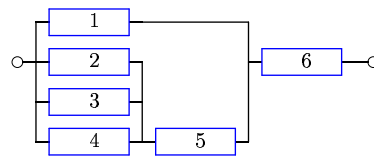
$$p_1 = 0.7, p_2 = 0.8, p_3 = 0.4,$$
$$p_4 = 0.5, p_5 = 0.9, p_6 = 0.8.$$

**Задача 29.21.**



$$p_1 = 0.8, p_2 = 0.2, p_3 = 0.5,$$
$$p_4 = 0.5, p_5 = 0.8, p_6 = 0.4.$$

**Задача 29.20.**



$$p_1 = 0.7, p_2 = 0.2, p_3 = 0.1,$$
$$p_4 = 0.5, p_5 = 0.3, p_6 = 0.4.$$