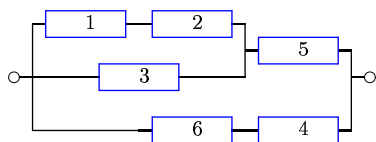


Вероятность безотказной работы цепи

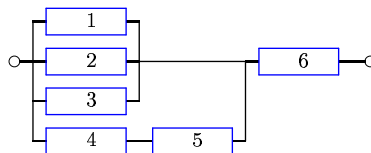
Найти вероятность безотказной работы функциональной цепи из независимых элементов. Дана вероятность безотказной работы каждого элемента.

Задача 29.1. *Абалимов Александр*



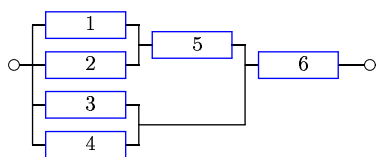
$$p_1 = p_2 = 0.2, p_3 = 0.4, \\ p_4 = p_5 = 0.4, p_6 = 0.6.$$

Задача 29.2. *Антощенко Анастасия*



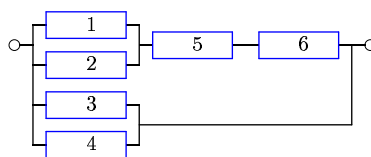
$$p_1 = 0.3, p_2 = 0.2, p_3 = 0.7, \\ p_4 = 0.3, p_5 = 0.8, p_6 = 0.5.$$

Задача 29.3. *Безруков Игорь*



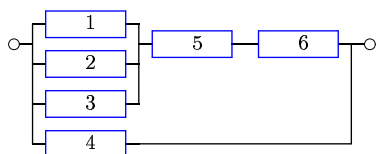
$$p_1 = 0.4, p_2 = 0.2, p_3 = 0.6, \\ p_4 = 0.6, p_5 = 0.4, p_6 = 0.5.$$

Задача 29.4. *Безъязыков Александр*



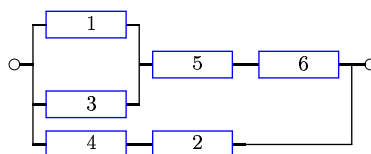
$$p_1 = 0.5, p_2 = 0.2, p_3 = 0.5, \\ p_4 = 0.4, p_5 = 0.8, p_6 = 0.6.$$

Задача 29.5. *Габбасова Камилла*



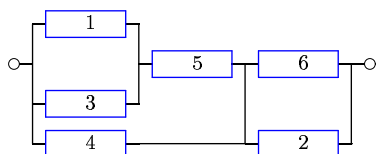
$$p_1 = 0.6, p_2 = 0.2, p_3 = 0.7, \\ p_4 = p_5 = 0.5, p_6 = 0.4.$$

Задача 29.6. *Дворский Андрей*



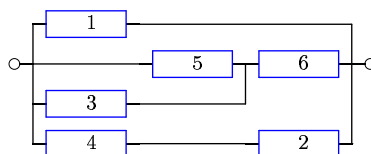
$$p_1 = 0.7, p_2 = 0.2, p_3 = 0.6, \\ p_4 = p_5 = 0.6, p_6 = 0.3.$$

Задача 29.7. *Демидов Александр*



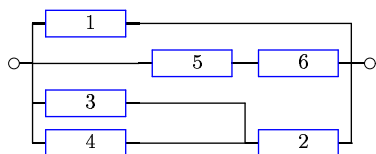
$$p_1 = 0.8, p_2 = 0.3, p_3 = 0.6, \\ p_4 = 0.8, p_5 = 0.3, p_6 = 0.2.$$

Задача 29.8. *Дробчик Георгий*



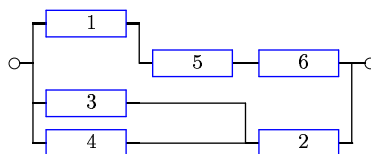
$$p_1 = 0.9, p_2 = 0.3, p_3 = 0.5, \\ p_4 = 0.9, p_5 = 0.7, p_6 = 0.2.$$

Задача 29.9. *Кирпин Валерий*

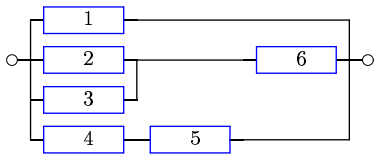


$$p_1 = 0.2, p_2 = 0.3, p_3 = 0.5, \\ p_4 = 0.6, p_5 = 0.9, p_6 = 0.8.$$

Задача 29.10. *Королева Татьяна*

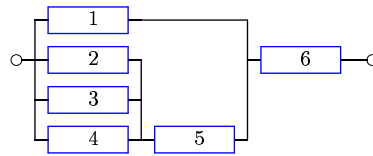


$$p_1 = 0.3, p_2 = 0.4, p_3 = 0.3, \\ p_4 = 0.3, p_5 = 0.9, p_6 = 0.2.$$

Задача 29.11.*Кузнецов Степан*

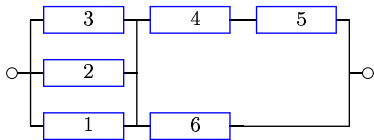
$$p_1 = p_2 = 0.4, p_3 = 0.8,$$

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

Задача 29.12.*Майков Дмитрий*

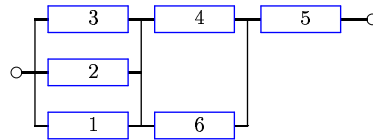
$$p_1 = 0.5, p_2 = 0.4, p_3 = 0.3,$$

$$p_4 = 0.6, p_5 = 0.2, p_6 = 0.1.$$

Задача 29.13.*Нессанс Эдгар Матъяс*

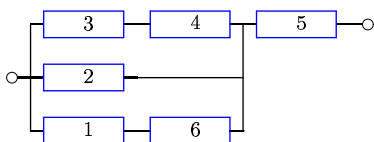
$$p_1 = 0.6, p_2 = 0.5, p_3 = 0.7,$$

$$p_4 = 0.5, p_5 = 0.6, p_6 = 0.2.$$

Задача 29.14.*Ромич Антон*

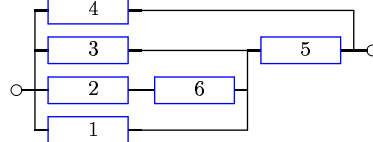
$$p_1 = 0.7, p_2 = 0.5, p_3 = 0.6,$$

$$p_4 = 0.6, p_5 = 0.3, p_6 = 0.2.$$

Задача 29.15.*Солдатов Александр*

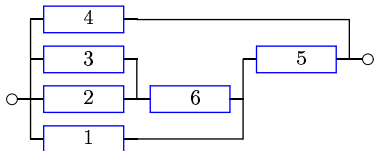
$$p_1 = 0.8, p_2 = 0.5, p_3 = 0.7,$$

$$p_4 = 0.2, p_5 = 0.8, p_6 = 0.6.$$

Задача 29.16.*Толмачёв Никита*

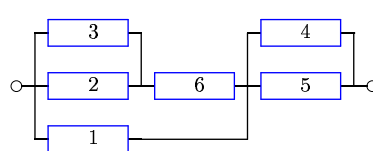
$$p_1 = 0.9, p_2 = 0.5, p_3 = 0.6,$$

$$p_4 = 0.3, p_5 = 0.8, p_6 = 0.7.$$

Задача 29.17.*Толушкин Ростислав*

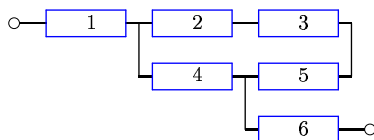
$$p_1 = 0.2, p_2 = 0.5, p_3 = 0.3,$$

$$p_4 = p_5 = 0.6, p_6 = 0.2.$$

Задача 29.18.*Трифонов Дмитрий*

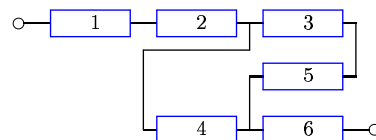
$$p_1 = 0.3, p_2 = 0.6, p_3 = 0.2,$$

$$p_4 = 0.3, p_5 = 0.2, p_6 = 0.8.$$

Задача 29.19.*Чумаков Иван*

$$p_1 = 0.4, p_2 = 0.6, p_3 = 0.9,$$

$$p_4 = 0.2, p_5 = 0.5, p_6 = 0.9.$$

Задача 29.20.*Шибанов Сергей*

$$p_1 = 0.5, p_2 = 0.9, p_3 = 0.3,$$

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