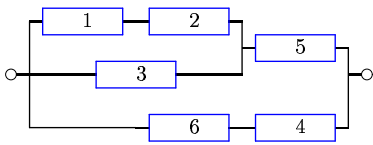


Вероятность безотказной работы цепи

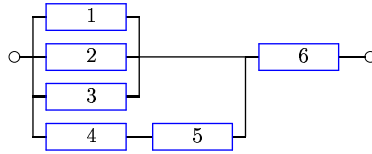
Дана вероятность P безотказной работы функциональной цепи из независимых элементов и вероятность безотказной работы всех элементов, кроме одного. Найти эту вероятность.

Задача 29.1. *Баханович Иван*



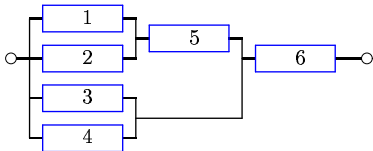
$$p_2 = 0.3, p_3 = 0.9, p_4 = 0.9, p_5 = 0.4, p_6 = 0.3, P = 0.5346$$

Задача 29.2. *Беленов Степан*



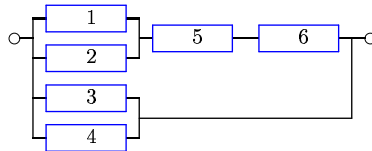
$$p_1 = 0.3, p_3 = 0.4, p_4 = 0.4, p_5 = 0.5, p_6 = 0.7, P = 0.5095$$

Задача 29.3. *Дони Владлен*



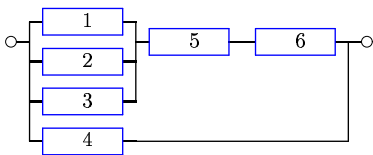
$$p_1 = 0.4, p_2 = 0.3, p_4 = 0.5, p_5 = 0.2, p_6 = 0.5, P = 0.3608$$

Задача 29.4. *Замашкин Валерий*



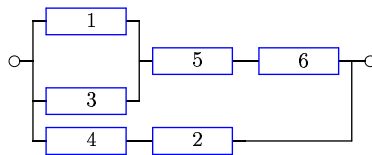
$$p_1 = 0.5, p_2 = 0.4, p_3 = 0.7, p_5 = 0.6, p_6 = 0.3, P = 0.8112$$

Задача 29.5. *Косоголов Алексей*



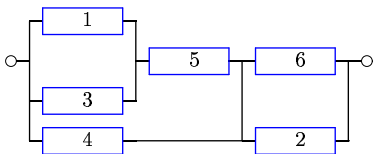
$$p_1 = 0.6, p_2 = 0.5, p_3 = 0.9, p_4 = 0.5, p_6 = 0.2, P = 0.5255$$

Задача 29.6. *Мальшев Илья*



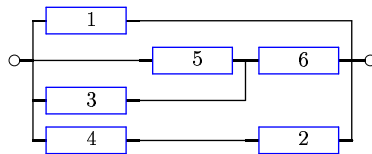
$$p_1 = 0.7, p_2 = 0.6, p_3 = 0.2, p_4 = 0.3, p_5 = 0.9, P = 0.2922$$

Задача 29.7. *Мордин Антон*



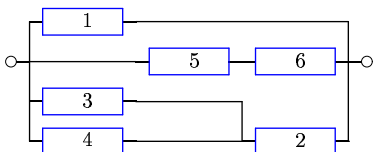
$$p_1 = 0.8, p_3 = 0.3, p_4 = 0.3, p_5 = 0.2, p_6 = 0.7, P = 0.3750$$

Задача 29.8. *Носенко Алексей*



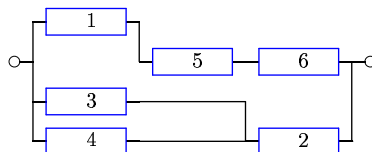
$$p_2 = 0.8, p_3 = 0.5, p_4 = 0.4, p_5 = 0.7, p_6 = 0.6, P = 0.9667$$

Задача 29.9. *Пахомова Светлана*

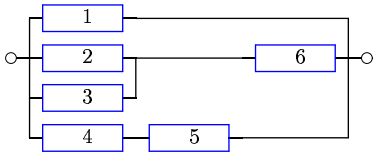


$$p_2 = 0.9, p_3 = 0.4, p_4 = 0.2, p_5 = 0.4, p_6 = 0.5, P = 0.6595$$

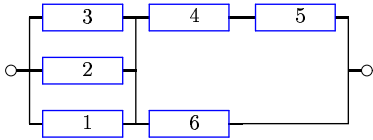
Задача 29.10. *Рейханов Людвиг*



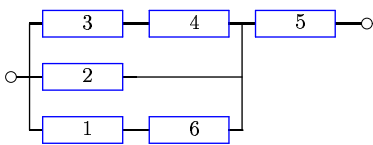
$$p_1 = 0.3, p_3 = 0.9, p_4 = 0.7, p_5 = 0.9, p_6 = 0.4, P = 0.4281$$

Задача 29.11.*Стручков Юрий*

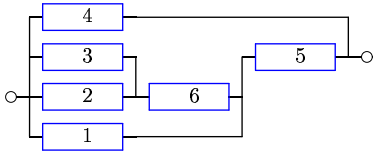
$$p_1 = 0.4, p_2 = 0.2, p_4 = 0.7, p_5 = 0.4, \\ p_6 = 0.3, P = 0.6696$$

Задача 29.13.*Учаев Роман*

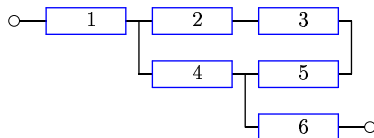
$$p_1 = 0.6, p_2 = 0.2, p_3 = 0.3, p_4 = 0.3, \\ p_6 = 0.9, P = 0.7028$$

Задача 29.15.*Пахомов В.*

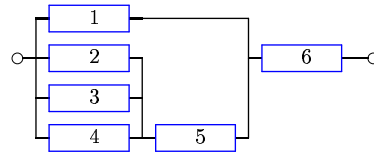
$$p_1 = 0.8, p_3 = 0.7, p_4 = 0.4, p_5 = 0.3, \\ p_6 = 0.2, P = 0.2673$$

Задача 29.17.*Ерзунов*

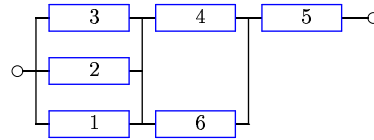
$$p_1 = 0.7, p_2 = 0.7, p_3 = 0.2, p_4 = 0.2, \\ p_5 = 0.3, P = 0.3954$$

Задача 29.19.*Арманду Э.*

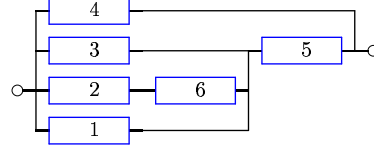
$$p_1 = 0.8, p_3 = 0.9, p_4 = 0.6, p_5 = 0.5, \\ p_6 = 0.6, P = 0.3355$$

Задача 29.12.*Тимофеева Татьяна*

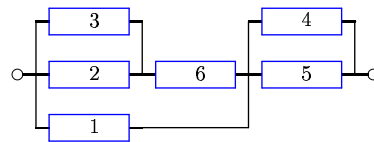
$$p_1 = 0.5, p_2 = 0.3, p_3 = 0.4, p_5 = 0.5, \\ p_6 = 0.3, P = 0.2193$$

Задача 29.14.*Шестаков Виктор*

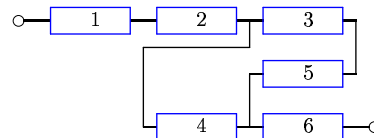
$$p_1 = 0.7, p_2 = 0.9, p_3 = 0.2, p_4 = 0.8, \\ p_5 = 0.5, P = 0.4685$$

Задача 29.16.*Дагиянов О*

$$p_2 = 0.4, p_3 = 0.8, p_4 = 0.7, p_5 = 0.3, \\ p_6 = 0.4, P = 0.7885$$

Задача 29.18.*Dai Qiao*

$$p_1 = 0.3, p_3 = 0.2, p_4 = 0.8, p_5 = 0.8, \\ p_6 = 0.4, P = 0.4600$$

Задача 29.20.*Сунь Цзясюань*

$$p_1 = 0.4, p_2 = 0.4, p_4 = 0.4, p_5 = 0.2, \\ p_6 = 0.9, P = 0.0718$$