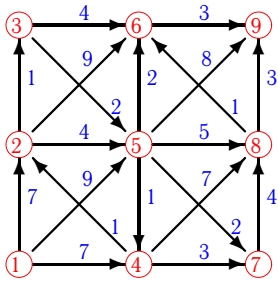


# Дискретная математика. Кратчайший путь. ОрГраф

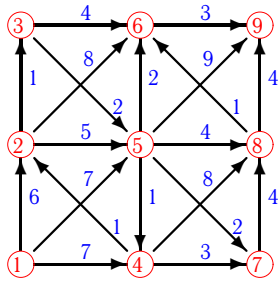
Дан орграф. Найти кратчайший путь от вершины ① к вершине ⑨.

**Задача 3.1**



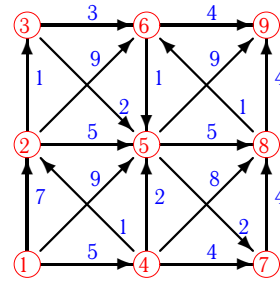
3.2

**Задача 3.2**



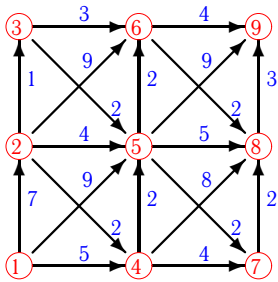
3.2

**Задача 3.3**



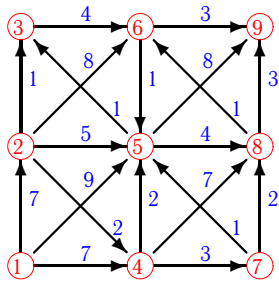
3.2

**Задача 3.4**



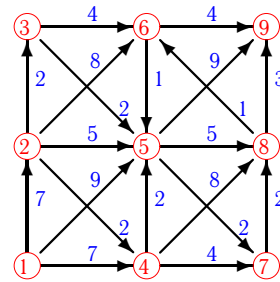
3.2

**Задача 3.5**



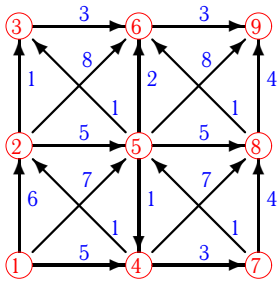
3.2

**Задача 3.6**



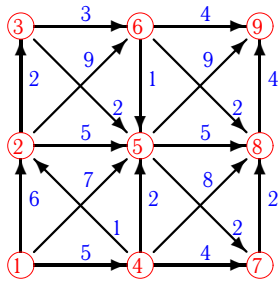
3.2

**Задача 3.7**



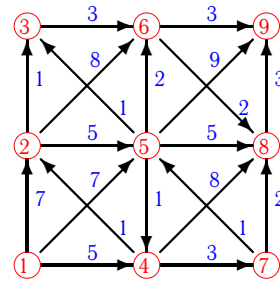
3.2

**Задача 3.8**



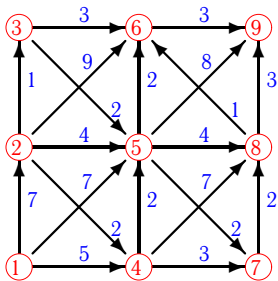
3.2

**Задача 3.9**



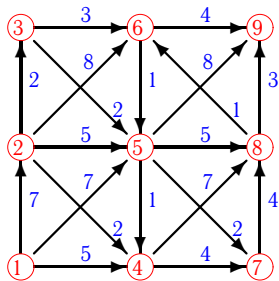
3.2

**Задача 3.10**



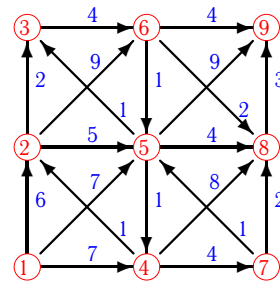
3.2

**Задача 3.11**



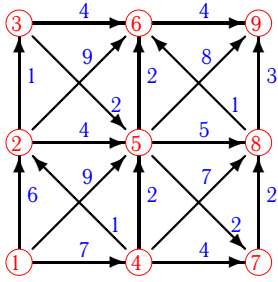
3.2

**Задача 3.12**



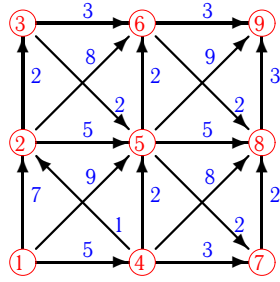
3.2

Задача 3.13



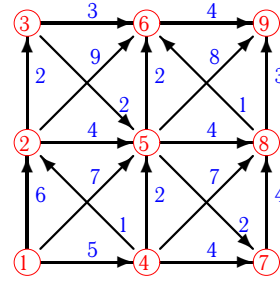
3.2

Задача 3.14



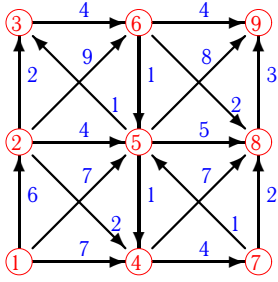
3.2

Задача 3.15



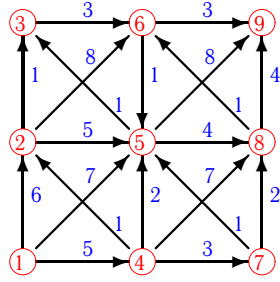
3.2

Задача 3.16



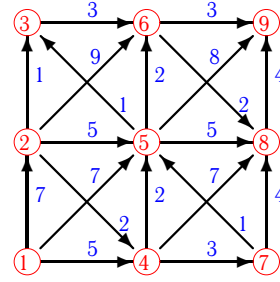
3.2

Задача 3.17



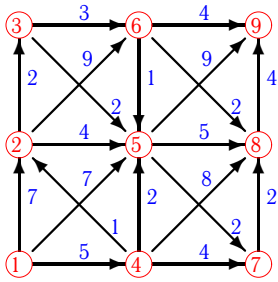
3.2

Задача 3.18



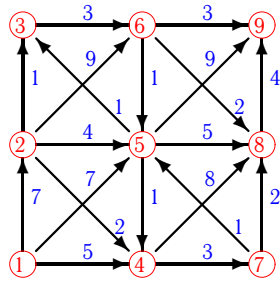
3.2

Задача 3.19



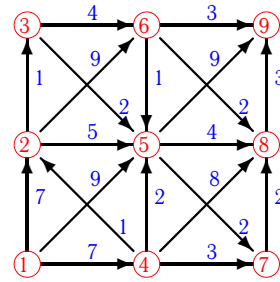
3.2

Задача 3.20



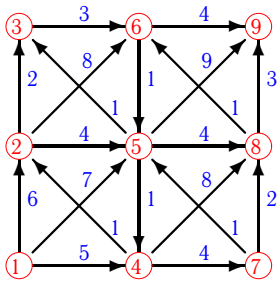
3.2

Задача 3.21



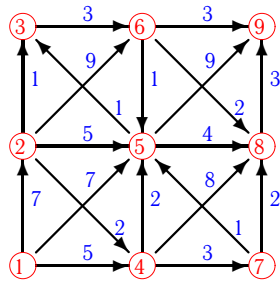
3.2

Задача 3.22



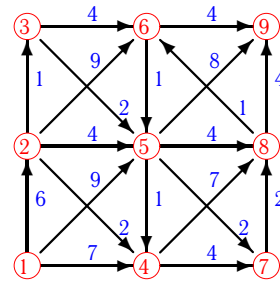
3.2

Задача 3.23



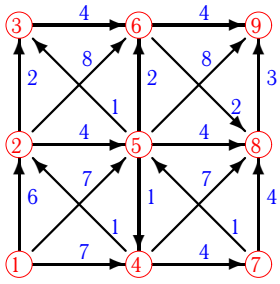
3.2

Задача 3.24



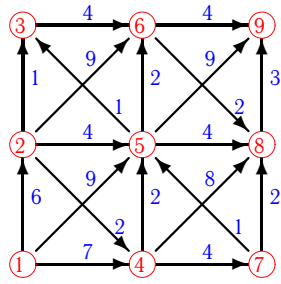
3.2

**Задача 3.25**



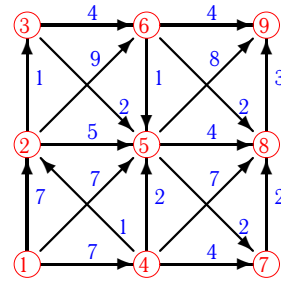
3.2

**Задача 3.26**



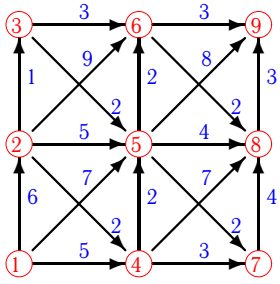
3.2

**Задача 3.27**



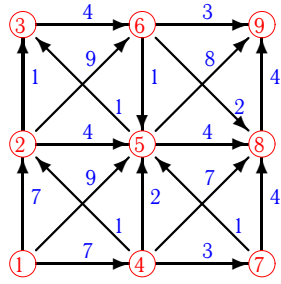
3.2

**Задача 3.28**



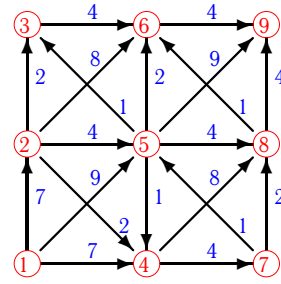
3.2

**Задача 3.29**



3.2

**Задача 3.30**



3.2

## Дискретная математика. Кратчайший путь. Ор- Граф

1.	9 6 5 1	14	2, 4, 3, 5, 7, 6, 8, 9,
2.	9 6 5 1	12	2, 3, 4, 5, 6, 7, 8, 9,
3.	9 6 3 2 4 1	14	4, 2, 3, 5, 7, 6, 8, 9,
4.	9 6 5 4 1	13	4, 2, 5, 3, 6, 7, 8, 9,
5.	9 6 3 2 1	15	2, 4, 3, 5, 7, 6, 8, 9,
6.	9 8 7 4 1	16	2, 4, 3, 5, 7, 6, 8, 9,
7.	9 6 5 1	12	4, 2, 3, 5, 7, 6, 8, 9,
8.	9 6 3 2 1	15	4, 2, 5, 3, 7, 6, 8, 9,
9.	9 6 5 1	12	4, 2, 3, 5, 7, 6, 8, 9,
10.	9 6 5 1	12	4, 2, 5, 3, 7, 6, 8, 9,
11.	9 5 1	15	4, 2, 5, 3, 7, 6, 8, 9,
12.	9 8 5 1	14	2, 4, 5, 3, 7, 8, 6, 9,
13.	9 6 3 2 1	15	2, 3, 4, 5, 6, 7, 8, 9,
14.	9 6 5 4 1	12	4, 2, 5, 3, 7, 6, 8, 9,
15.	9 6 5 1	13	4, 2, 5, 3, 6, 7, 8, 9,
16.	9 5 1	15	2, 4, 5, 3, 7, 6, 8, 9,
17.	9 6 3 2 1	13	4, 2, 3, 5, 7, 6, 8, 9,
18.	9 6 5 1	12	4, 2, 5, 3, 7, 6, 8, 9,
19.	9 6 3 2 4 1	15	4, 2, 5, 3, 7, 6, 8, 9,
20.	9 8 7 4 1	14	4, 2, 5, 3, 7, 8, 6, 9,
21.	9 6 3 2 1	15	2, 4, 3, 5, 7, 6, 8, 9,
22.	9 8 5 1	14	4, 2, 5, 3, 7, 6, 8, 9,
23.	9 8 7 4 1	13	4, 2, 5, 3, 7, 8, 6, 9,
24.	9 6 3 2 1	15	2, 3, 4, 5, 6, 7, 8, 9,
25.	9 6 5 1	13	2, 4, 5, 3, 6, 7, 8, 9,
26.	9 6 3 2 1	15	2, 3, 4, 5, 6, 7, 8, 9,
27.	9 8 5 1	14	2, 4, 5, 3, 7, 8, 6, 9,
28.	9 6 5 1	12	4, 2, 3, 5, 7, 6, 8, 9,
29.	9 6 3 2 1	15	2, 4, 3, 5, 7, 6, 8, 9,
30.	9 6 5 1	15	2, 4, 3, 5, 6, 7, 8, 9,