unweighted/sample-1

Undirected / 8 vertices / 12 edges

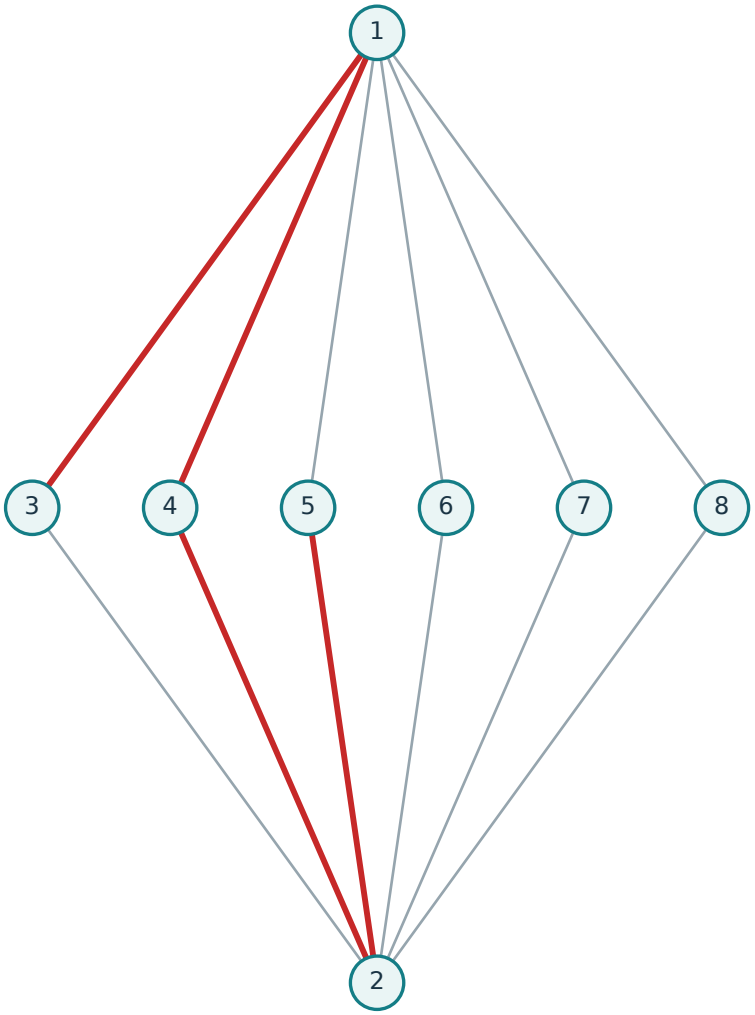
sample-1.gr

```
p graph 8 12
e 1 3
e 1 4
e 1 5
e 1 6
e 1 7
e 1 8
e 2 3
e 2 4
e 2 5
e 2 6
e 2 7
e 2 8
```

sample-1.out

```
4
3
1
4
2
5
```

GRAPH



unweighted/sample-2

Undirected / 16 vertices / 39 edges

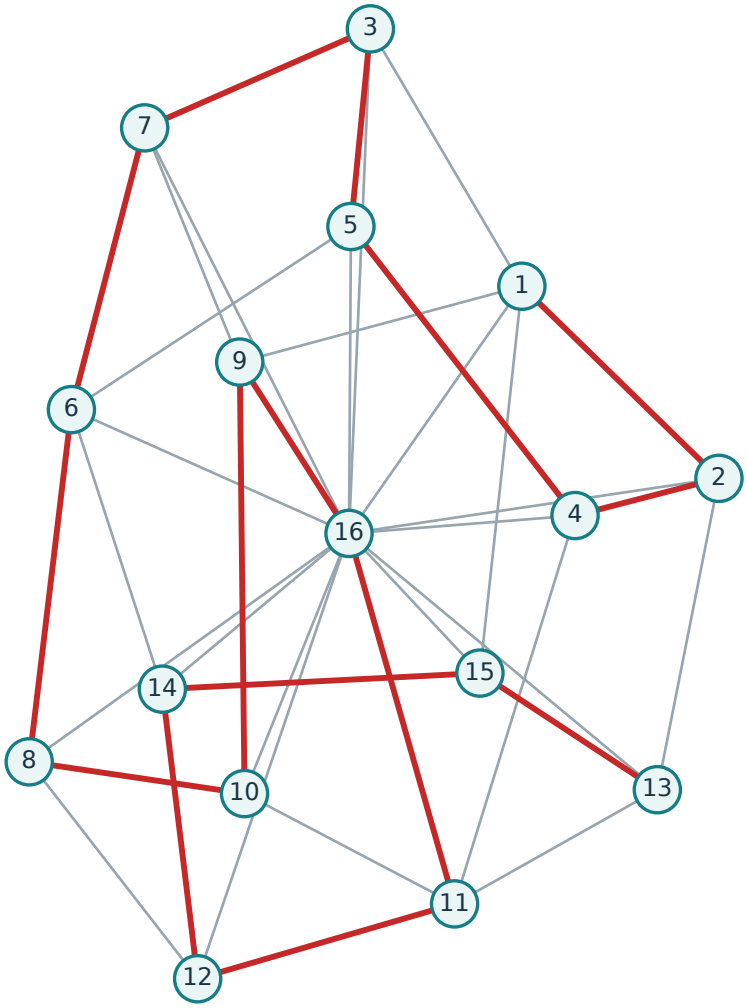
sample-2.gr

```
p graph 16 39
e 1 2
e 1 3
e 1 9
e 1 15
e 1 16
e 2 4
e 2 13
e 2 16
e 3 5
e 3 7
e 3 16
e 4 5
e 4 11
e 4 16
e 5 6
e 5 16
e 6 7
e 6 8
e 6 14
e 6 16
e 7 9
e 7 16
e 8 10
e 8 12
e 8 16
e 9 10
e 9 16
e 10 11
e 10 16
e 11 12
e 11 13
e 11 16
e 12 14
e 12 16
e 13 15
e 13 16
e 14 15
e 14 16
e 15 16
```

sample-2.out

```
15
1
2
4
5
3
7
6
8
10
9
16
11
12
14
15
13
```

GRAPH



unweighted/sample-3

Undirected / 26 vertices / 39 edges

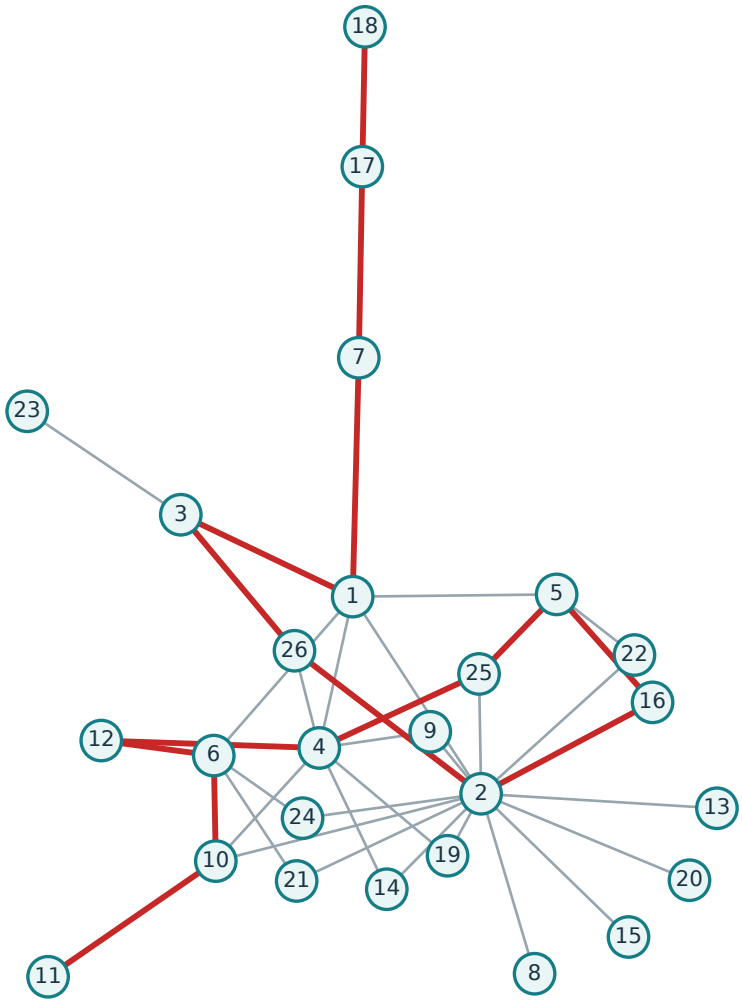
sample-3.gr

```
p graph 26 39
e 1 2
e 1 3
e 1 4
e 1 5
e 1 6
e 1 7
e 2 8
e 2 9
e 2 10
e 2 13
e 2 14
e 2 15
e 2 16
e 2 19
e 2 20
e 2 21
e 2 22
e 2 24
e 2 25
e 2 26
e 3 23
e 3 26
e 4 9
e 4 10
e 4 12
e 4 14
e 4 19
e 4 25
e 4 26
e 5 16
e 5 22
e 5 25
e 6 10
e 6 12
e 6 21
e 6 24
e 7 17
e 10 11
e 17 18
```

sample-3.out

```
14
18
17
7
1
3
26
2
16
5
25
4
12
6
10
11
```

GRAPH



unweighted/sample-4

Undirected / 12 vertices / 13 edges

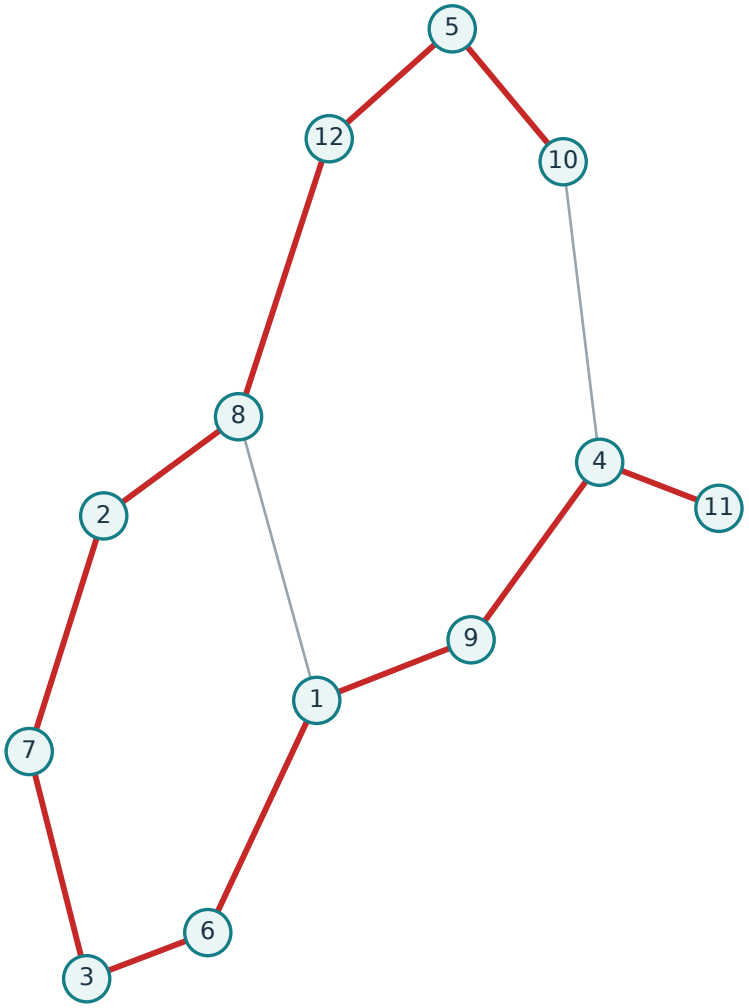
sample-4.gr

```
p graph 12 13
e 1 6
e 1 8
e 1 9
e 2 7
e 2 8
e 3 6
e 3 7
e 4 9
e 4 10
e 4 11
e 5 10
e 5 12
e 8 12
```

sample-4.out

```
11
11
4
9
1
6
3
7
2
8
12
5
10
```

GRAPH



unweighted/sample-5

Undirected / 9 vertices / 26 edges

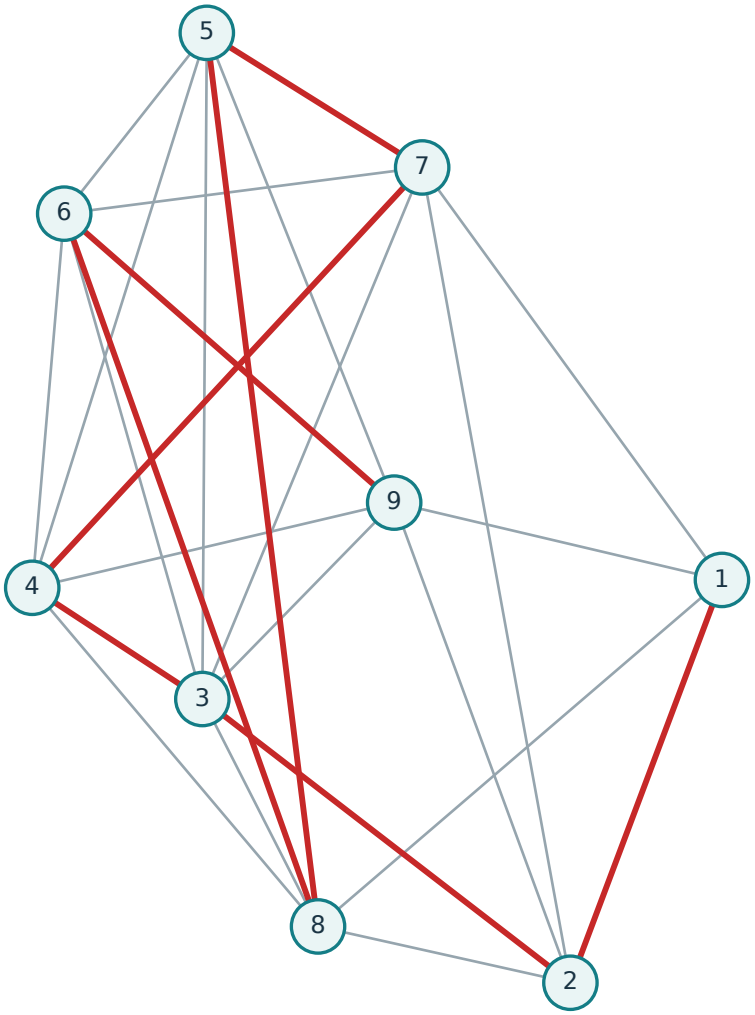
sample-5.gr

```
p graph 9 26
e 1 2
e 1 7
e 1 8
e 1 9
e 2 3
e 2 7
e 2 8
e 2 9
e 3 4
e 3 5
e 3 6
e 3 7
e 3 8
e 3 9
e 4 5
e 4 6
e 4 7
e 4 8
e 4 9
e 5 6
e 5 7
e 5 8
e 5 9
e 6 7
e 6 8
e 6 9
```

sample-5.out

```
8
1
2
3
4
7
5
8
6
9
```

GRAPH



unweighted/sample-6

Undirected / 11 vertices / 14 edges

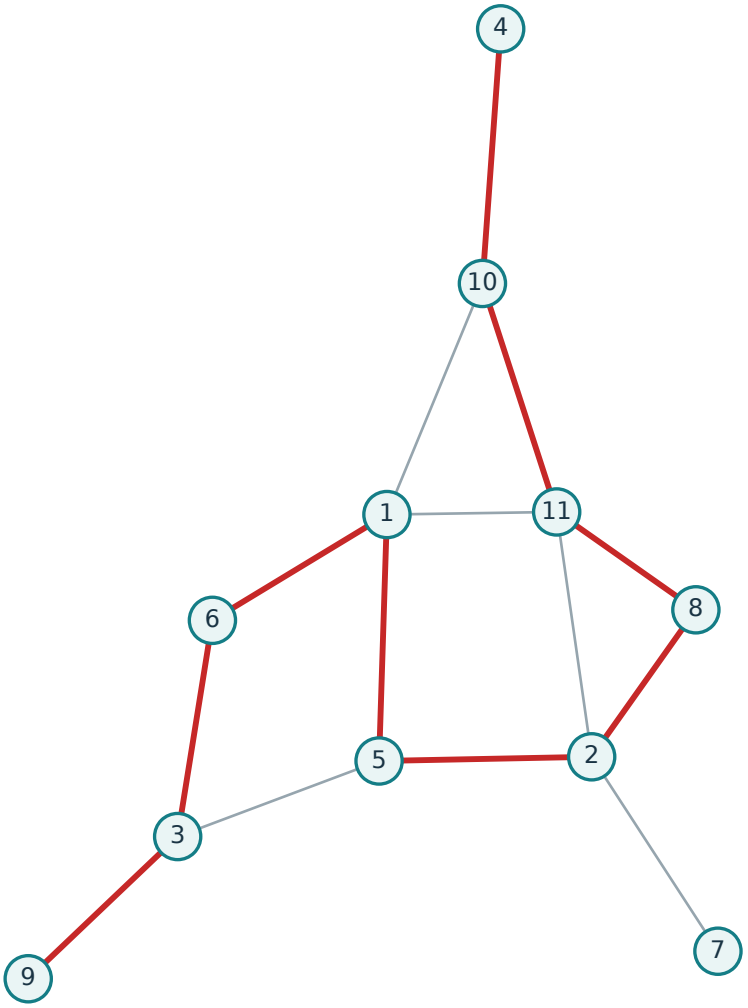
sample-6.gr

```
p graph 11 14
e 1 5
e 1 6
e 1 10
e 1 11
e 2 5
e 2 7
e 2 8
e 2 11
e 3 5
e 3 6
e 3 9
e 4 10
e 8 11
e 10 11
```

sample-6.out

```
9
9
3
6
1
5
2
8
11
10
4
```

GRAPH



unweighted/sample-7

Undirected / 12 vertices / 11 edges

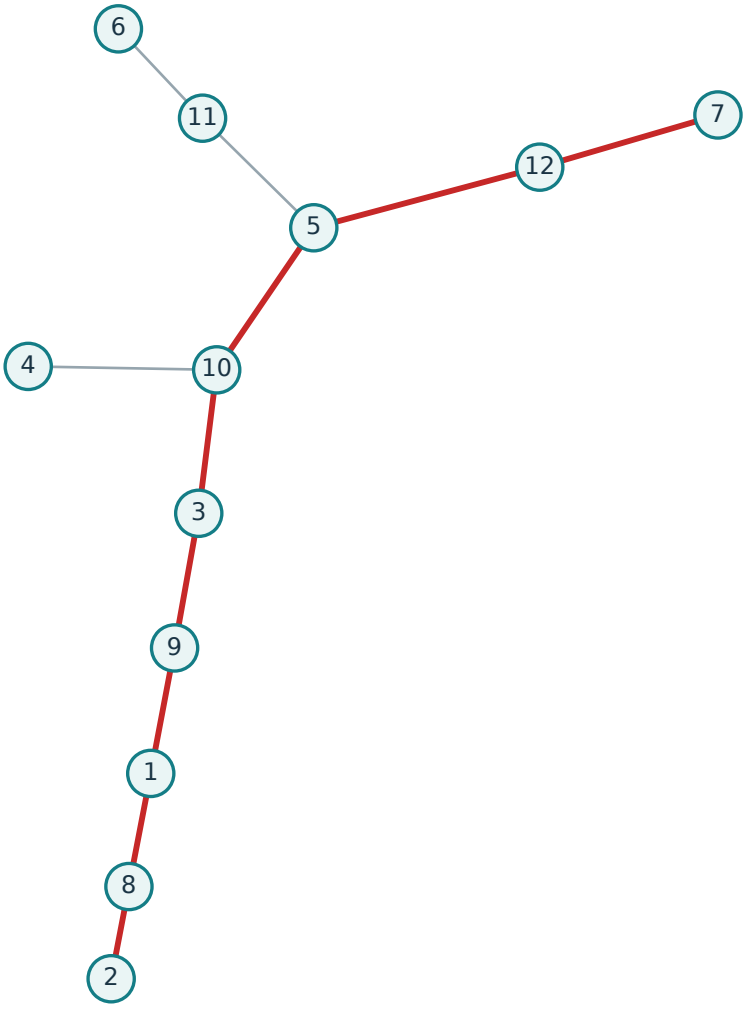
sample-7.gr

```
p graph 12 11
e 1 8
e 1 9
e 2 8
e 3 9
e 3 10
e 4 10
e 5 10
e 5 11
e 5 12
e 6 11
e 7 12
```

sample-7.out

```
8
2
8
1
9
3
10
5
12
7
```

GRAPH



unweighted/sample-8

Undirected / 24 vertices / 29 edges

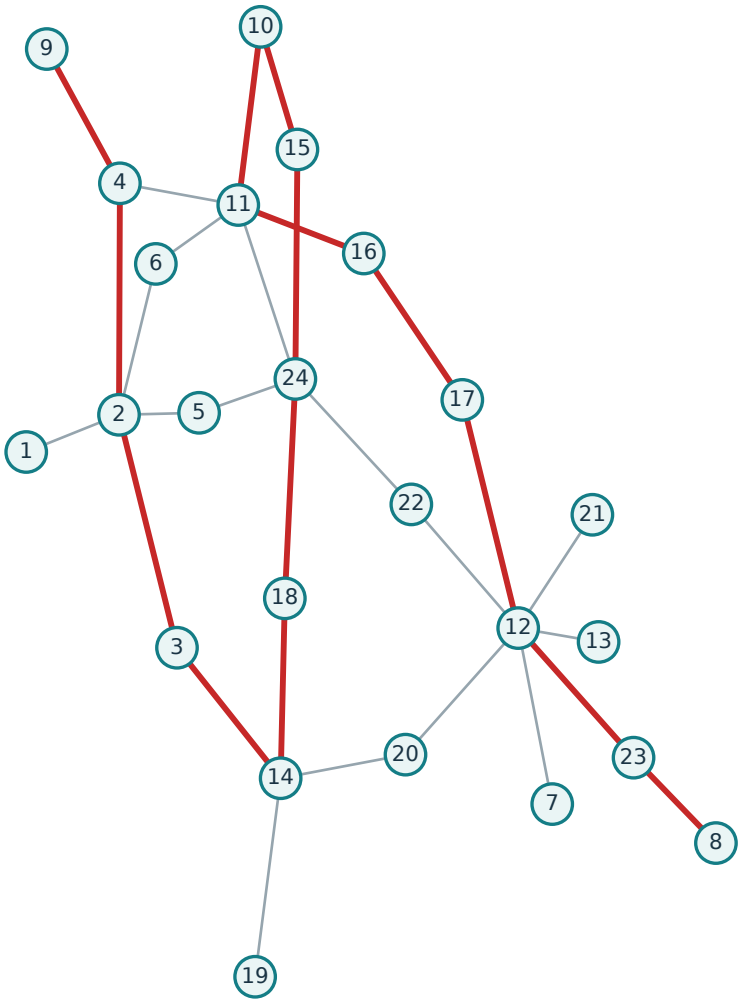
sample-8.gr

```
p graph 24 29
e 1 2
e 2 3
e 2 4
e 2 5
e 2 6
e 3 14
e 4 9
e 4 11
e 5 24
e 6 11
e 7 12
e 8 23
e 10 11
e 10 15
e 11 16
e 11 24
e 12 13
e 12 17
e 12 20
e 12 21
e 12 22
e 12 23
e 14 18
e 14 19
e 14 20
e 15 24
e 16 17
e 18 24
e 22 24
```

sample-8.out

```
14
9
4
2
3
14
18
24
15
10
11
16
17
12
23
8
```

GRAPH



unweighted/sample-9

Undirected / 20 vertices / 22 edges

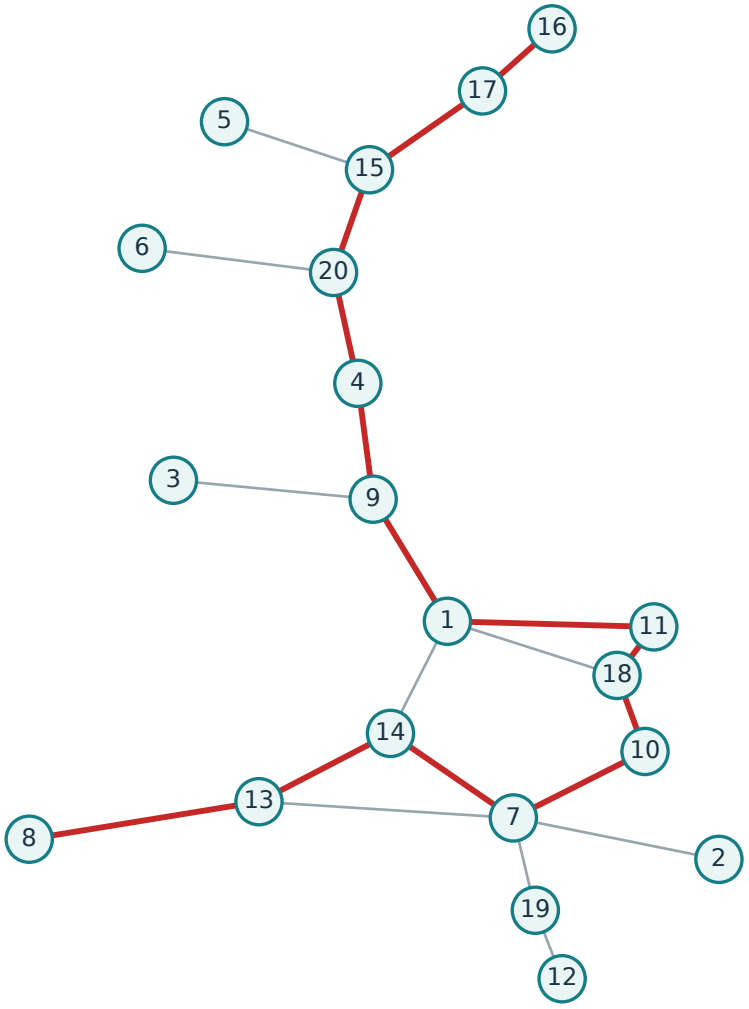
sample-9.gr

```
p graph 20 22
e 1 9
e 1 11
e 1 14
e 1 18
e 2 7
e 3 9
e 4 9
e 4 20
e 5 15
e 6 20
e 7 10
e 7 13
e 7 14
e 7 19
e 8 13
e 10 18
e 11 18
e 12 19
e 13 14
e 15 17
e 15 20
e 16 17
```

sample-9.out

```
13
16
17
15
20
4
9
1
11
18
10
7
14
13
8
```

GRAPH



unweighted/sample-10

Undirected / 15 vertices / 18 edges

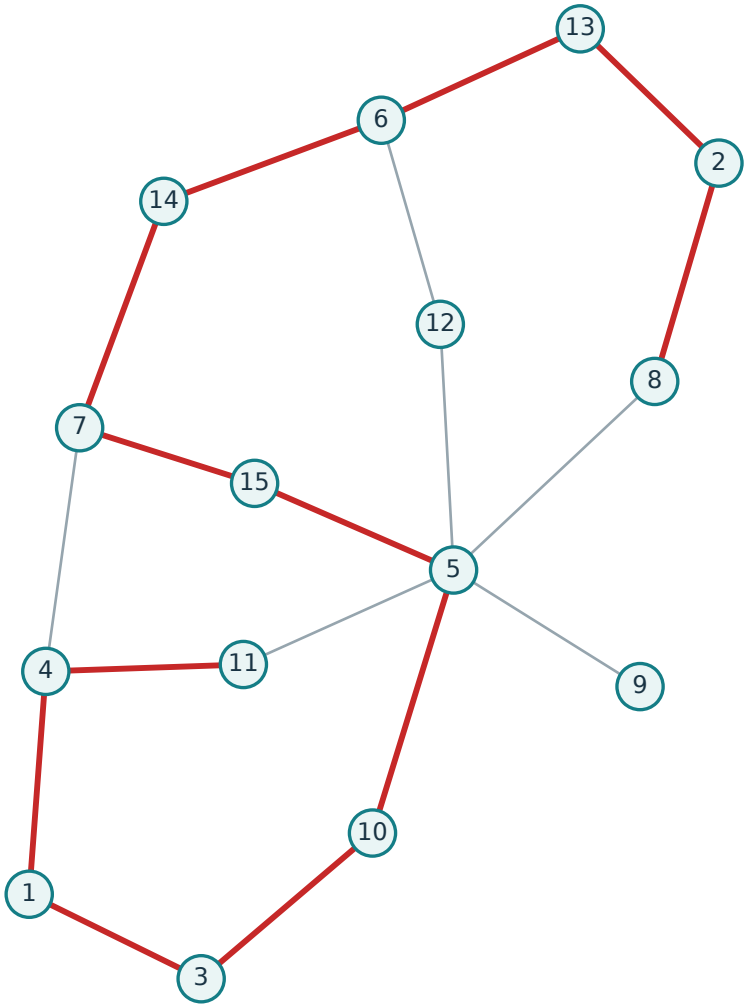
sample-10.gr

```
p graph 15 18
e 1 3
e 1 4
e 2 8
e 2 13
e 3 10
e 4 7
e 4 11
e 5 8
e 5 9
e 5 10
e 5 11
e 5 12
e 5 15
e 6 12
e 6 13
e 6 14
e 7 14
e 7 15
```

sample-10.out

```
12
8
2
13
6
14
7
15
5
10
3
1
4
11
```

GRAPH



weighted/sample-1

Directed / 6 vertices / 7 arcs

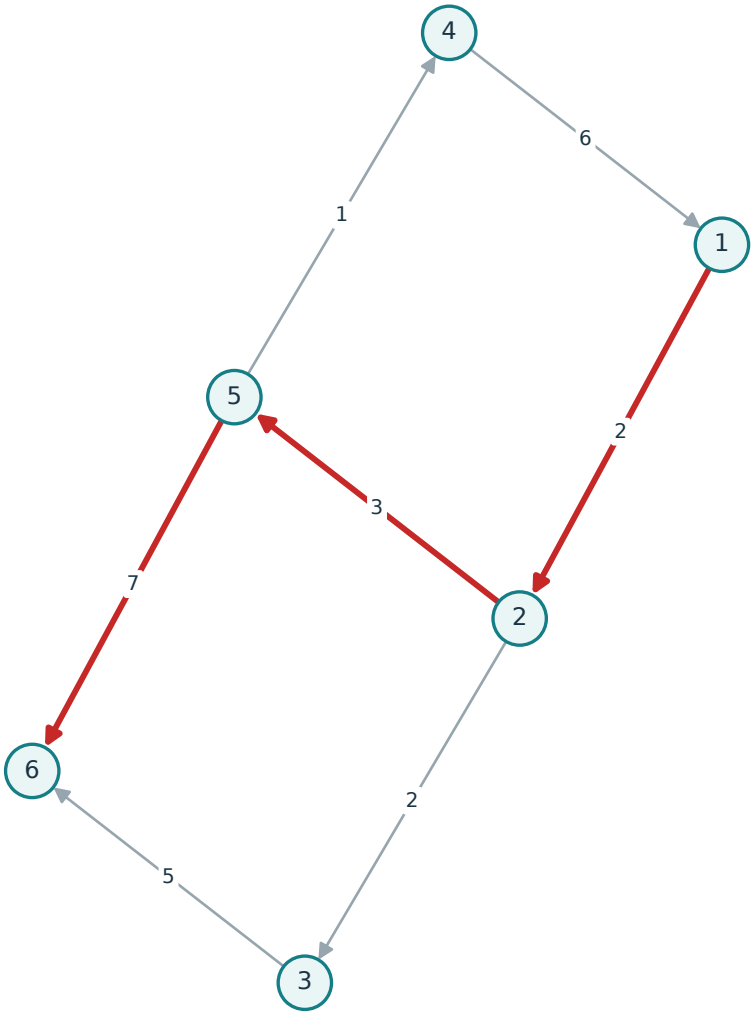
sample-1.gr

```
p digraph 6 7 3
a 1 2 2
a 2 3 2
a 2 5 3
a 3 6 5
a 4 1 6
a 5 4 1
a 5 6 7
```

sample-1.out

```
3 12
1
2
5
6
```

GRAPH



weighted/sample-2

Directed / 24 vertices / 30 arcs

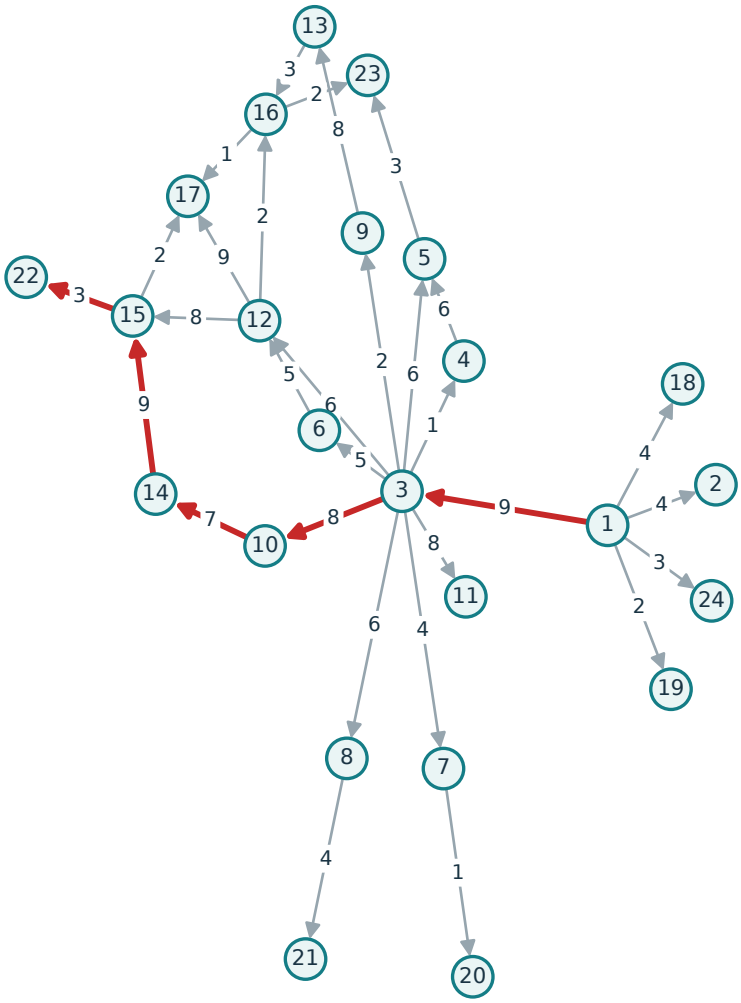
sample-2.gr

```
p digraph 24 30 5
a 1 2 4
a 1 3 9
a 1 18 4
a 1 19 2
a 1 24 3
a 3 4 1
a 3 5 6
a 3 6 5
a 3 7 4
a 3 8 6
a 3 9 2
a 3 10 8
a 3 11 8
a 3 12 6
a 4 5 6
a 5 23 3
a 6 12 5
a 7 20 1
a 8 21 4
a 9 13 8
a 10 14 7
a 12 15 8
a 12 16 2
a 12 17 9
a 13 16 3
a 14 15 9
a 15 17 2
a 15 22 3
a 16 17 1
a 16 23 2
```

sample-2.out

```
5 36
1
3
10
14
15
22
```

GRAPH



weighted/sample-3

Directed / 7 vertices / 20 arcs

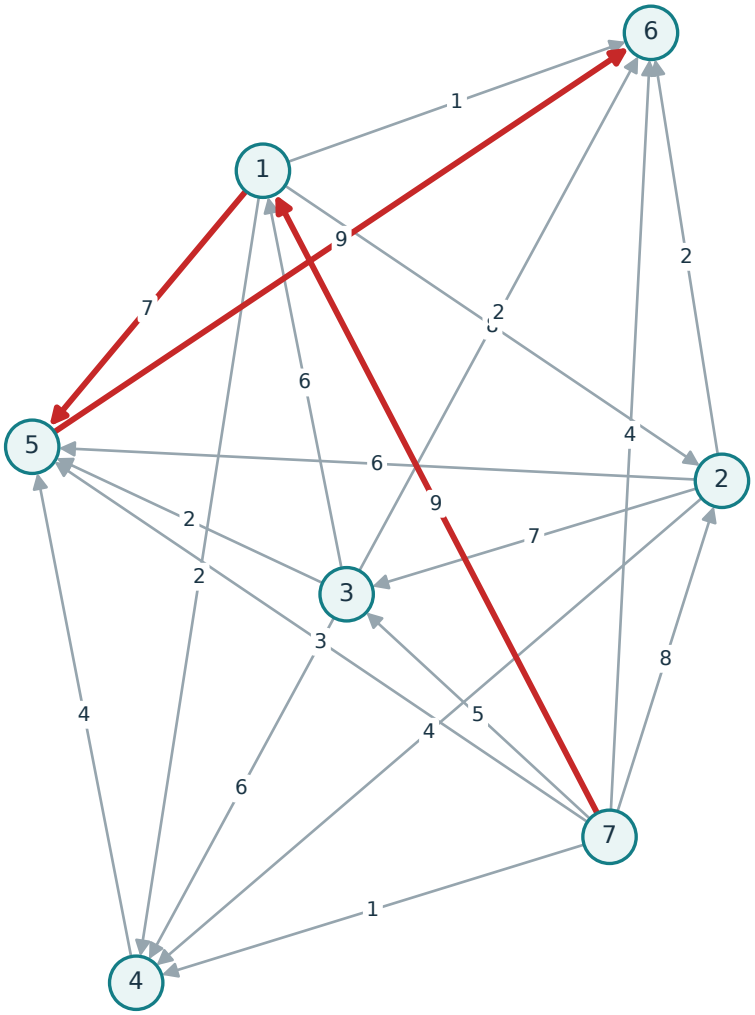
sample-3.gr

```
p digraph 7 20 3
a 1 2 8
a 1 4 2
a 1 5 7
a 1 6 1
a 2 3 7
a 2 4 4
a 2 5 6
a 2 6 2
a 3 1 6
a 3 4 6
a 3 5 2
a 3 6 2
a 4 5 4
a 5 6 9
a 7 1 9
a 7 2 8
a 7 3 5
a 7 4 1
a 7 5 3
a 7 6 4
```

sample-3.out

```
3 25
7
1
5
6
```

GRAPH



weighted/sample-4

Directed / 27 vertices / 32 arcs

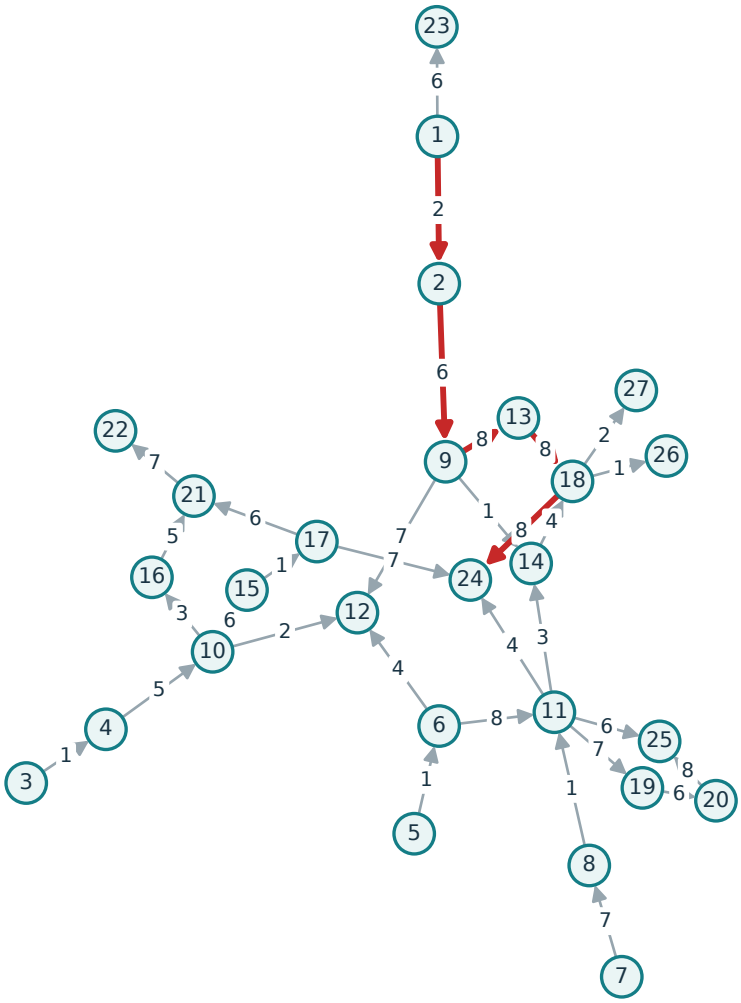
sample-4.gr

```
p digraph 27 32 5
a 1 2 2
a 1 23 6
a 2 9 6
a 3 4 1
a 4 10 5
a 5 6 1
a 6 11 8
a 6 12 4
a 7 8 7
a 8 11 1
a 9 12 7
a 9 13 8
a 9 14 1
a 10 12 2
a 10 15 6
a 10 16 3
a 11 14 3
a 11 19 7
a 11 24 4
a 11 25 6
a 13 18 8
a 14 18 4
a 15 17 1
a 16 21 5
a 17 21 6
a 17 24 7
a 18 24 8
a 18 26 1
a 18 27 2
a 19 20 6
a 20 25 8
a 21 22 7
```

sample-4.out

```
5 32
1
2
9
13
18
24
```

GRAPH



weighted/sample-5

Directed / 13 vertices / 14 arcs

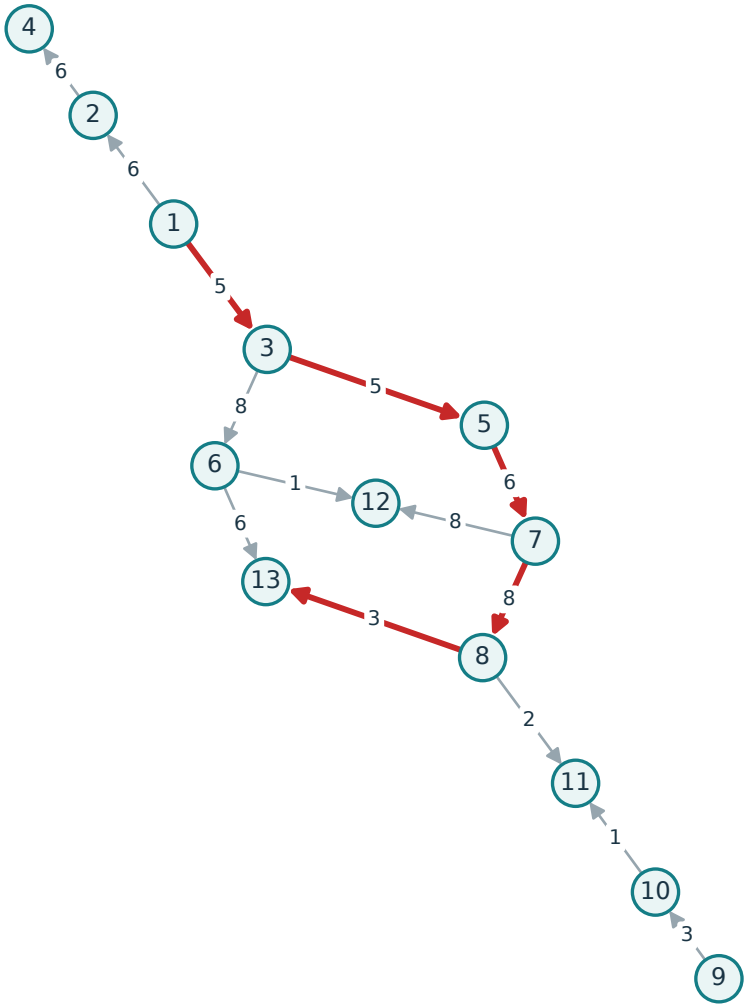
sample-5.gr

```
p digraph 13 14 5
a 1 2 6
a 1 3 5
a 2 4 6
a 3 5 5
a 3 6 8
a 5 7 6
a 6 12 1
a 6 13 6
a 7 8 8
a 7 12 8
a 8 11 2
a 8 13 3
a 9 10 3
a 10 11 1
```

sample-5.out

```
5 27
1
3
5
7
8
13
```

GRAPH



weighted/sample-6

Directed / 9 vertices / 26 arcs

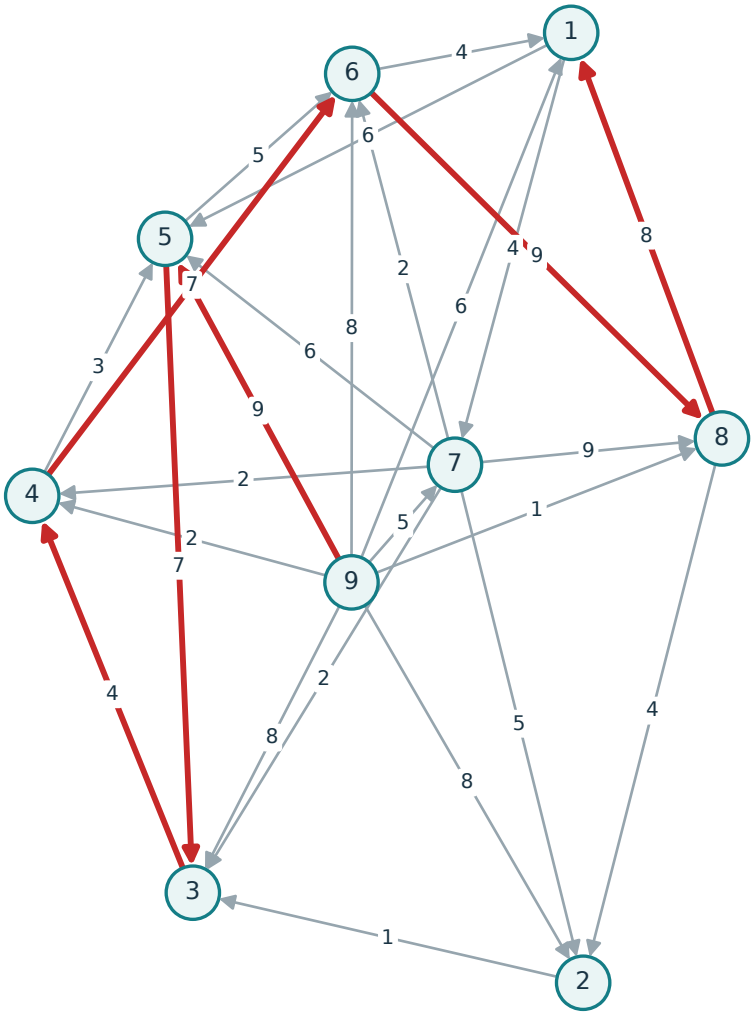
sample-6.gr

```
p digraph 9 26 6
a 1 5 6
a 1 7 4
a 2 3 1
a 3 4 4
a 4 5 3
a 4 6 7
a 5 3 7
a 5 6 5
a 6 1 4
a 6 8 9
a 7 2 5
a 7 3 2
a 7 4 2
a 7 5 6
a 7 6 2
a 7 8 9
a 8 1 8
a 8 2 4
a 9 1 6
a 9 2 8
a 9 3 8
a 9 4 2
a 9 5 9
a 9 6 8
a 9 7 5
a 9 8 1
```

sample-6.out

```
6 44
9
5
3
4
6
8
1
```

GRAPH



weighted/sample-7

Directed / 18 vertices / 29 arcs

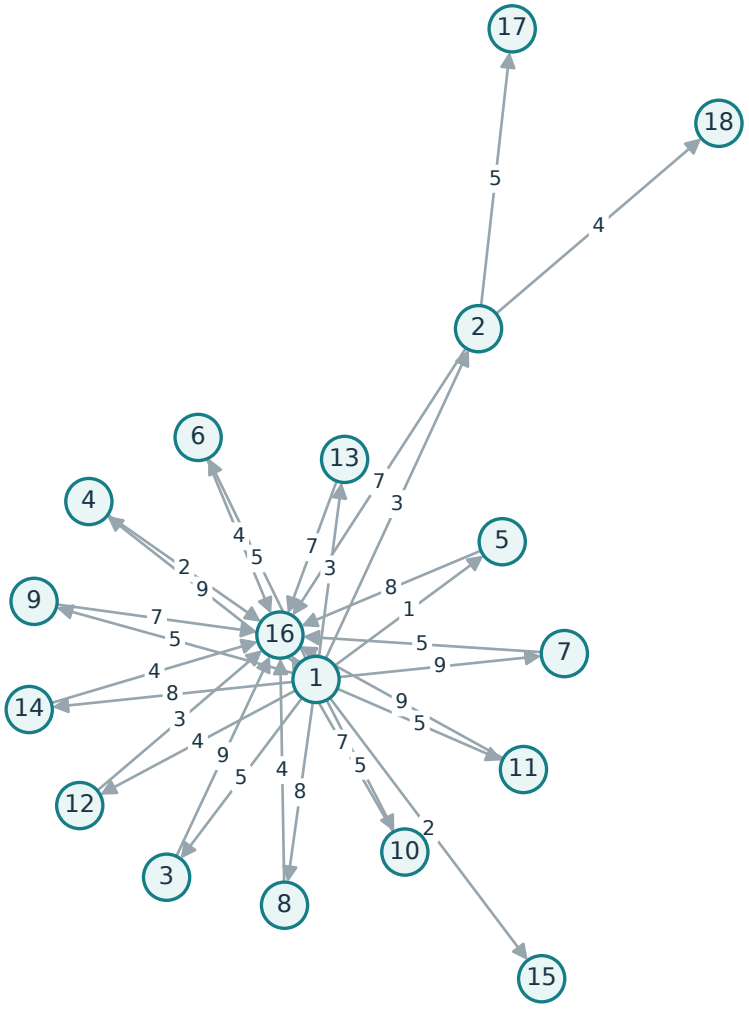
sample-7.gr

```
p digraph 18 29 3
a 1 2 3
a 1 3 5
a 1 4 9
a 1 5 1
a 1 6 5
a 1 7 9
a 1 8 8
a 1 9 5
a 1 10 5
a 1 11 5
a 1 12 4
a 1 13 3
a 1 14 8
a 1 15 2
a 2 16 7
a 2 17 5
a 2 18 4
a 3 16 9
a 4 16 2
a 5 16 8
a 6 16 4
a 7 16 5
a 8 16 4
a 9 16 7
a 10 16 7
a 11 16 9
a 12 16 3
a 13 16 7
a 14 16 4
```

sample-7.out

```
0 0
```

GRAPH



weighted/sample-8

Directed / 7 vertices / 16 arcs

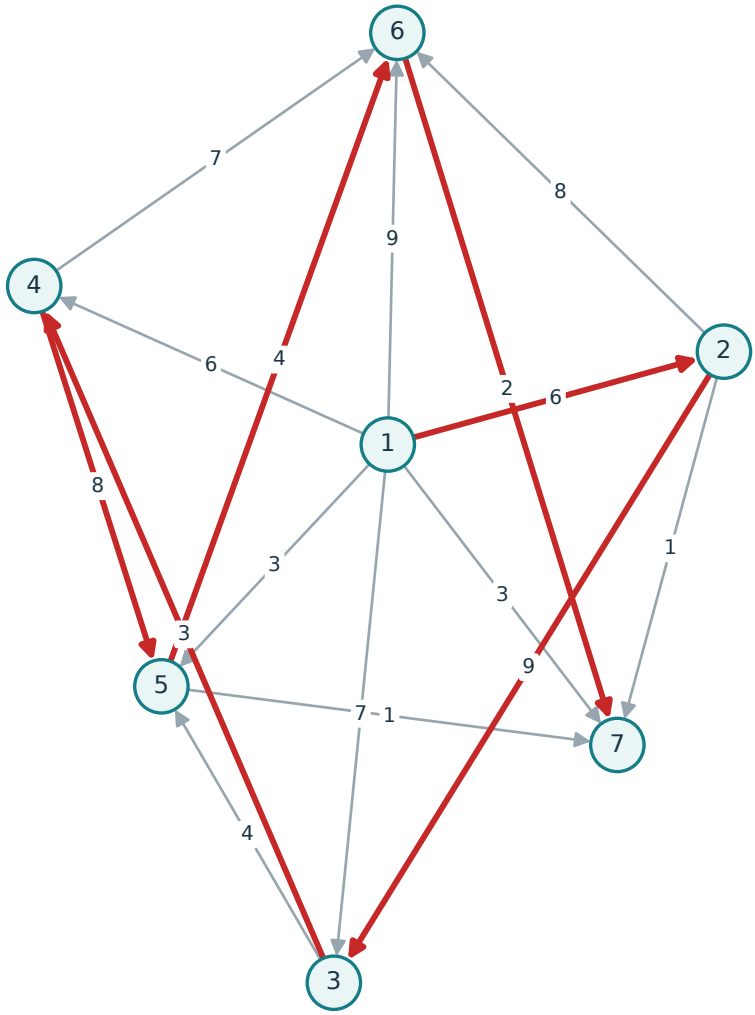
sample-8.gr

```
p digraph 7 16 6
a 1 2 6
a 1 3 7
a 1 4 6
a 1 5 3
a 1 6 9
a 1 7 3
a 2 3 9
a 2 6 8
a 2 7 1
a 3 4 3
a 3 5 4
a 4 5 8
a 4 6 7
a 5 6 4
a 5 7 1
a 6 7 2
```

sample-8.out

```
6 32
1
2
3
4
5
6
7
```

GRAPH



weighted/sample-9

Directed / 19 vertices / 23 arcs

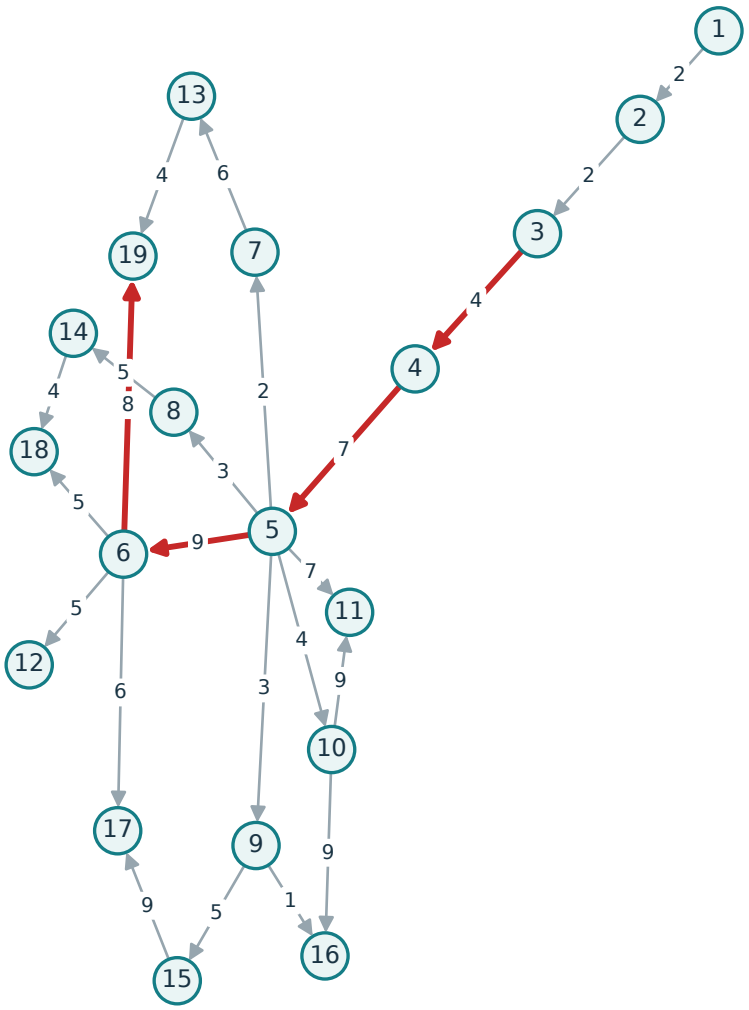
sample-9.gr

```
p digraph 19 23 4
a 1 2 2
a 2 3 2
a 3 4 4
a 4 5 7
a 5 6 9
a 5 7 2
a 5 8 3
a 5 9 3
a 5 10 4
a 5 11 7
a 6 12 5
a 6 17 6
a 6 18 5
a 6 19 8
a 7 13 6
a 8 14 5
a 9 15 5
a 9 16 1
a 10 11 9
a 10 16 9
a 13 19 4
a 14 18 4
a 15 17 9
```

sample-9.out

```
4 28
3
4
5
6
19
```

GRAPH



weighted/sample-10

Directed / 29 vertices / 33 arcs

sample-10.gr

```
p digraph 29 33 6
a 1 4 3
a 2 3 7
a 2 4 5
a 3 5 5
a 3 9 3
a 3 26 4
a 5 10 5
a 5 12 6
a 6 7 4
a 6 8 7
a 6 23 1
a 8 14 3
a 8 23 3
a 10 11 7
a 10 24 4
a 12 13 3
a 12 14 7
a 12 15 6
a 12 24 7
a 14 16 8
a 15 16 7
a 15 17 7
a 15 18 7
a 15 19 3
a 15 20 9
a 15 21 3
a 15 22 6
a 15 23 6
a 15 29 3
a 16 23 1
a 23 28 3
a 24 25 9
a 26 27 7
```

sample-10.out

```
6 34
2
3
5
12
14
16
23
```

GRAPH

