Competitive Programming SS24

Submit until end of contest

HPI Hasso Plattner Institut
Digital Engineering · Universität Potsdam

Problem: justflow (1.0 second timelimit)

This is an undirected flow. Just implement Ford-Fulkerson or Edmonds-Karp.

Input The first line contains n, m ($2 \leq n \leq 100$; $0 \leq m \leq 5000$). The next m lines contain integers a, b, c denoting an edge between a and b with capacity c ($1 \leq a, b \leq n$; $1 \leq c \leq 13$).

Output Print the maximum flow from node 1 to node 2.

Sample input

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

Sample output

```
3
```

```
2 2
1 2 1
2 1 3
```

```
4
```