# Problem 1. Maximum flow (1 point)

## Timelimit: 2 seconds

## Problem Statement

For a given directed graph $G = (V, E)$, find a maximum flow of $G$ from node 0 to node $|V| - 1$.

## Input Statement

First line contains $t$ which is the number of test cases.
First line of each test case contains $n$, $m$ which are the number of node and number of edges ($n \leq 500$, $m \leq 2,000$).
And next $m$ line contain three numbers $u$, $v$, $c \leq 10,000$ which means there exist directional edges $(u, v)$ which capacity is $c$.

## Output Statement

For each test case, prints out Maximum flow in the graph
Each test case should be separated by a line.

## Input Example

```
2
5 9
0 2 9
0 4 10
1 2 3
1 4 4
2 0 10
2 3 9
2 4 1
3 2 3
3 4 6
2 1
0 1 1
```

## Output Example

```
17
1
```