

Problem 1. Ski race (1 points, Timelimit: 2sec)

Problem Statement

In the ski race, it is barely possible that beginner win over the expert.

Thus, a ski circle developed new rules to motivate beginner for playing ski race.

They assigned points on each ski route, and if the player passing through the route, then they collect the score on the route.

The goal is to find maximum score that player can collect during the race.

The race always starts from node 0, and ends at node $|V| - 1$.

Input Statement

First line contains t which is the number of test cases.

At the first line of each test case contains the size of graph $|V|(\leq 100,000)$ and $|E|(\leq 200,000)$.

Each of next $|E|$ lines contains three integers u, v and p that represents a route from u to v . p is point that player can get by passing through path (u, v) . All the edges are disjoint to each other, and there is no cycle in given graph.

Output Statement

For each test case, print maximum score player can get from the ski resort. If the player cannot get to the $(|V| - 1)$ -th node, then print -1, instead of maximum.

Input Example

```
2
3 2
0 1 50
2 1 50
4 4
0 3 10
0 2 10
2 1 10
1 3 10
```

Output Example

```
-1 // No path from 0 to 1.
30 // 0 → 2 → 1 → 3, Each 10 points
```