Q2 - Prim's Algorithm

This page is used for checking the format and correctness.

Input Format

The input command contains the undirectional graph information used for the cost of the minimum spanning tree.
The first line contains two integers represent the number of nodes(m) and edges(n) in the graph.
After that, the following n lines represent the edge information.
Each line contains three integers: start node(a), end node(b), and the cost(c).
In each line, all the integers will be separated by space.

Constraints

$0 < m <= 1000$
$m < n <= 200000$
$0 <= a, b < m$
$0 < c < 10001$

Output Format

The output should contain one integer that represents the cost of the minimum spanning tree.

Sample Input 0

```
5 7
0 1 10
0 2 20
1 2 30
1 3 5
2 3 15
2 4 6
3 4 8
```

Sample Output 0

```
29
```

Explanation 0