Post War

The great war has ended. All the roads (There were M roads) in inzvaland has been demolished. It is important to have an connected country; therefore, the president of the inzvaland orders to connect the whole country (consist of N cities) by reparing or building new roads.

Building a new road has a fixed cost that is K. However, the cost of reparing an damaged road may vary according to damage. To be exact, cost of reparing the road between cities X_i and Y_i is C_i.

Print the minimum cost that is needed to connect the whole country.

Note that there can be multiple damaged roads between cities, and cities may not be connected before the war.

Input Format

You will be given 3 integers in the first line: N, M, K - Number of cities, number of roads before the war and the cost of building a new road.

In the next M lines, you will be given 3 integers: X_i Y_i C_i - Which means there was a road between X_i and Y_i, and the cost of reparing that road is C_i.

Constraints

$1 \leq N, M \leq 10^5$

$1 \leq K \leq 10^9$

$1 \leq C_i \leq 10^9$

Output Format

Print the answer in one line.

Sample Input 0

```
5 6 18
2 4 15
3 4 2
3 4 4
1 5 11
4 5 9
2 3 4
```

Sample Output 0

```
26
```

Sample Input 1

```
8 7 9
3 7 17
```

```
2 8 17
5 6 11
3 7 7
6 8 15
6 8 6
1 3 7
```

Sample Output 1

```
56
```