Solo Travel

You're travelling through the country of Bitland which can be represented as a graph with **N** nodes and **M** edges where each edge has a value associated with it. Travel through Bitland is done using passes each pass has a value associated with it which is equal to its cost. You can buy a pass of any non-negative integer cost. With your pass you can travel on any edge having value less than or equal to the value of your pass. You want to spend the minimum amount so that you can travel from any city(node) in Bitland to any other city in Bitland.

Find the minimum amount you need to spend on your pass to travel in Bitland.

Input Format:

First line contains 2 integers **N** and **M**.
Next **M** lines contain 3 integers, **U**, **V**, and **C** denoting that there is an edge from **U** to **V** with value **C**.

Output Format:

Output a single integer denoting the answer.

Constraints:

1 <= **N** <= 100000
1 <= **M** <= 1000000
1 <= **U**, **V** <= **N**
1 <= **C** <= 1000000

Sample Input:

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

Sample Output:

```
4
```