HUSTack

Problem: Week 5 - Minimum Spanning Tree - Kruskal

Description

Given a undirected connected graph G=(V,E) where V={1,...,N}. Each edge (u,v)∈E(u,v)∈E has weight w(u,v)w(u,v). Compute minimum spanning tree of G.

Input

- Line 1: N and M ($1 \le N,M \le 10^5$) in which NN is the number of nodes and MM is the number of edges.
- Line i+1 (i=1,...,M): contains 3 positive integers u, v, and w where w is the weight of edge (u,v)

Output

Write the weight of the minimum spanning tree found.

Example

Input

```
5 8
1 2 1
1 3 4
1 5 1
2 4 2
2 5 1
3 4 3
3 5 3
4 5 2
```

Output

```
7
```

Sample TestCase

C 17

1 Write your Source code here

Source code

C 17

```c
//C
#include <stdio.h>

int main()
{

}
```

SUBMIT CODE

Currently, this contest problem is not open for submissions

Or

C 17

Select file

SUBMIT

Tìm kiếm

ID	Bài tập	Trạng thái	M
b3876b	MST_KRUSKAL	Accept	

5 hàng 1-1 của 1