Minimum Spanning Tree

{Time Limit: 1s, Memory Limit: 256MB}

Given an undirected weighted graph with **N** nodes and **M** edges, Print the sum of edge weights on the minimum spanning tree of the graph. If no such tree is possible, print -1.

Input

First line will contain 2 space separated integers **N** and **M.**

Next **M** lines will contain 3 integers each. **x, y, and w.**

Constraints

$1 \leq x,y \leq N \leq 10^5$, $0 \leq M \leq 10^6$, $1 \leq w \leq 10^3$

Input1:
3 2
1 2 10
2 3 10
Output1:
20