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E. Spanning Tree

time limit per test: 2 seconds¹ memory limit per test: 256 megabytes

For a given connected undirected weighted graph find a spanning tree with minimum weight.

Input

First line of the input consists of two integers n and m ($2 \le n \le 200\,000, 1 \le m \le 200\,000$) — number of vertices and edges, respectively.

Next m lines describe edges one per line in the following format: three integers b_i , e_i and w_i ($1 \le b_i$, $e_i \le n$, $0 \le w_i \le 100\,000$) — ends and the weight of the edge i, respectively .

Output

Output a single integer — minimum weight of the spanning tree.

Example

Сору
Сору
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→ **Submit?**Language: GNU G++20 13.2 (64 bit, win ▼

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