



Statement Submissions Questions

Constraints and notes

• $1 \leq N \leq 10^5$

nput

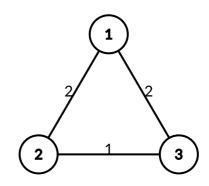
- $1 \le M \le 2 * 10^5$
- The cost of conversion c_s for each street $s: 1 \le c_s \le 10^4$

Output

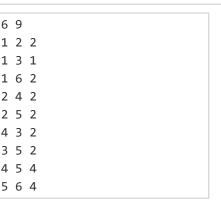
- There is at most one road connecting two warehouses
- It is guaranteed at least one conversion plan exists

3	3		
1	2	2	
3	1	2	
2	3	1	

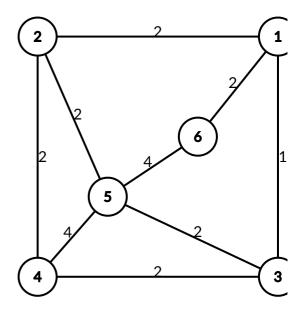
Explanation



There are 2 possible minimum cost conversion plans: (1,3),(2,3) or (1,2),(2,3). Only the street (2,3) occurs in both of them.



2



Only the roads (1,3) and (1,6) are part of all possible conversion plans.