# Cheap Town Tour

You now live in a new country and you want to start a tour and **visit every town** in the country and since you are new in the country your finances are **minimalized**, so you want your trip to be as **cheap** as possible. You will be given the **amount** of the **cities** on the first line, then the amount of the **roads** (**n**) and on the next **n** lines you will receive which tows the road connects and the cost to use it.

Assume you can **start from any** town and your target is to **visit every one** of them with the **minimum** cost.

### Input

* On the **first line** you will be given the **number of** the **towns**
* On the **second** line you will be given the **amount of streets** (**n**)
* On the **next n** **lines** you will be given a connection in the format: **"{first} -> {second} -> {cost}"**

### Output

* Print the **total cost** of the road you have chosen in the format: **"Total cost: {totalCost}"**

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| 4  5  0 - 1 - 10  0 - 2 - 6  0 - 3 - 5  1 - 3 - 15  2 - 3 - 4 | Total cost: 19 | The cheapest way to visit all the towns is using the roads with cost: 4 + 5 + 10 = 19 |