Save Aman a few Bucks!!

After the lockdown, the Chandigarh Transport Undertaking has made some new rules for the fare of the buses between the sectors. The new fare rules for the fare of the buses are as follows:

1.Every pair of sectors have a fare assigned to them regardless of direction of travel.

2. If a person travels from Sector A to Sector B, he/she only has to pay the difference between the fare from A to B and the cumulative fare that he has paid to reach station A [fare(A,B) - total fare to reach station A].

2. If the difference is negative, he can travel free of cost from A to B.

Aman is new in the city and is low on cash. Help him to figure out the most cost-efficient way to go from the first station to the last station. Given the number of stations as N (numbered from 1 to N), and the fare between the pairs of sectors that are connected, determine the lowest fare from station 1 to station N.

Input Format:

The first line contains two space-separated integers, *N* and *S*, the number of sectors and the number of connections between them.

Each of the next *S* lines contains three space-separated integers, *source*, *destination* and *fare*, the starting sector and the ending sectors that are connected and the fare between them.

Constraints:

1<=*N*<=50000

1<=*S*<=500000

1<=*fare*<=10^7

Output Format:

The minimum fare to be paid to reach sector *N* from sector 1. If the sector *N* cannot be reached from station 1, print -1.

**Sample Input:**

5 5

1 2 60

3 5 70

1 4 120

4 5 150

2 3 80

**Sample Output:**

80

**Explaination:**

For the first path, Aman first pays 60 rupees of fare to go from sector 1 to 2. Then, he has to pay 80-60=20 rupees to go from sector 2 to 3. Now, to go from sector 3 to 5, Aman has to pay 70-(60+20) = -10, but since this is a negative value, Aman enjoys a free ride from sector 3 to 5. Thus the total cost of this path is  60+20 = 80 rupees.

For the second path, Aman pays 120 rupees to reach sector 4 from station 1. To go from sector 4 to 5, Aman pays 150-120 = 30 rupees. Hence, on this path, Aman spends a total of (120+30) = 150 rupees.

Therefore, the first path is the most cost efficient here.