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N : number of cities    
C : Tank capacity  
A[]: the fuel amount you can fill from each city  
B[]:the fuel consumption to travel from city i and city i+1

Clarification  
N = 3 cities to visit  
C = 3 max capacity for the tank is 3

A= [ 3 , 1 , 2]  
B=[2, 2, 2]  
the tank is initially empty  
that means if you start from city 0 you will fill the tank with amount A[0] = 3 and will consume 2 to travel from city 0 to city 1   
So, when you reach city 1 the remaing amount of feul is 1. when you move from city 1 you refill the tank with amount A[1] = 1 so the current feul   
amount is 2. Then B[1] amount which equals 2 will be used to travel from city 1 to city 2. So, the remaining amount now is 0.you have to reach the same city you started. So , you will travel from city 2 to city 0. So, Tank will be refilled by amount A[2] = 2 and will consume B[2] = 2   
to travel to city 0. we can assume to travel from i to (i+1)%N to reach to the start point.

3 3  
3 1 2  
2 2 2  
result = 2

3 2  
3 3 0  
2 2 2

res = 0