# Coding Arena





## Problem

Today is Alice's birthday, after wishing well, all of her N friends asked her for a birthday treat in the college cafeteria. College cafeteria specialty is yummy fruit juice and obviously all of her friends want her to treat them with a fruit juice.
After seeing menu, Alice is able to find out that the cafeteria is offering some combo offers. One such offer, is that price will be varied depending upon the number of juices ordered and customers can order any number of times. This seems to be quite economical for Alice because she has only L cents and she had already planned for a movie with her friend Bob, but she doesn't want to disappoint her friends as well.
So, she decided to order in a way such that she gets maximum benefit from the offer and at the same time all of her friends satisfied with the treat. Your task is to find out how much she will save by using the offer.

**Input Format:**

Input contains 3 integers N, K. L. Next line contains K spaced integer's Xi (where Xi is the number of juices) and the next line again contains K spaced integer's Yi (where Yi is the cost of Xi juices in cents).

| | |
|---|---|
| Line 1 | *N K L*,where N is number of friends ,K is number of juice combo, L is cents Alice has |
| Line 2 | Xi, where Xi is the number of juices |
| Line 3 | Yi, where Yi is the cost of Xi juices in cents |

## Constraints:

1<=N <= 1000
1<=K <= 10000
1<=Xi <=750
1<=Yi <=750

**Note:**

There will be at-least one way to order N items, where N is thenumber of friends Alice is giving a treat to.

**Output:**

Print the maximum profit that Alice can get by ordering menu in an optimal way. If Alice falls short of money and is unable to pay the bill with L cents then print "Urgently Call Bob!!!".

| | |
|---|---|
| Line 1 | **For Valid Input,print**<br>P,where P is the profit that Alice can make<br>**Or**<br>"Urgently Call Bob!!!", if Alice is unable to pay the bill |

**Sample Test Cases:**

| SNo. | Input | Output | Explanation |
|---|---|---|---|
| 1 | 3 4 12<br>1 2 3 4<br>2 3 4 1 | 2 | 3 friends, 4 available juices on menu and 12 cents is all that Alice has. The cafeteria combos are as follows<br>Juice 1 : 1 Qty for 2 Cents<br>Juice 2 : 2 Qty for 3 Cents<br>Juice 3 : 3 Qty for 4 Cents<br>Juice 4 : 4 Qty for 1 Cent<br><br>Now,Alice can order 3 Juices in 3 ways.<br><br>**Way 1**<br>3Qty of Juice1<br>=3 * 2 cents = 6 cents<br><br>**Way2**<br>1* Juice1 + 2 * Juice2<br>=2 cents + 3 cents = 5 cents<br><br>**Way 3**<br>3 Juice3<br>=4 cents<br>The difference between maximum and minimum that Alice may have to spend is (6 – 4) = 2 cents. Hence Alice's saving |

| | | | |
|---|---|---|---|
| | | | is 2. |
| 1 | 4 3 5<br>1 4 5<br>4 10 15 | Urgently Call Bob!!! | 4 friends, 3 available juices, 5 Cents in Alice's kitty.<br>Alice cannot buy any Juices, 3 in Qty since she cost of any combination exceeds 5 cents that she has. Hence she has to call Bob for help. |

***Note***:

*Participants submitting solutions in C language should not use functions from <conio.h> / <process.h> as these files do not exist in gcc*

**Submit Answer**

☐ I BHARGAVA GANTI confirm that the answer submitted is my own.

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