Problem Result

Shubham and Tea

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Shubham loves drinking tea very much and is even famous among his friends for making his own special tea. But unfortunately today he is not in a mood to make it himself as well as tired , so he goes to tea stalls to have tea.

Shubham is at his home initially, and to move to the first shop it shall cost him one Red Bull. He goes serially from his home to first stall, from first to second and third and so on.

There are 'S' shops in a line. Travelling from one shop to the next shop cost one Red Bull of his current available stock of Red Bulls.He can request the stall owner to offer him some Red Bulls. The stall owner admits to give him Red Bulls but with a condition that he can't have tea from that shop.

So, at each stall, Shubham has one choice either to take Red Bulls or have tea from the stall. Each stall has different amount of Red Bulls and Tea Cups. So, from each stall, Shubham is allowed to take only either the entire amount of Red Bulls or the entire amount of tea cups and not none or both.

By following this rule, what is the maximum number of tea cups Shubham can have, always having number of Red Bulls greater than or equal to zero?

```cpp
#include<bits/stdc++.h>
using namespace std;
int main() {

    // Write your code here
}
```

tea cups Shubham can have, always having number of

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...l to zero?

Initially Shubham is at his home, and to move to the first stall it shall cost him one Red Bull.

Input Format:

First line of each test file contains a single integer T denoting number of test case. Each test case contains three lines.
First line contains two space separated integers S and R denoting total number of shops and number of Red Bulls Shubham initially has.
Second line contains 'S'space separated integers, where the ith integer is Red_Bulls[i] and denotes the total number of Red Bulls Shubham can gain by taking Red Bulls from the ith shop.
Third line contains 'S' space separated integers, where the ith integer is Tea_Cups[i] and denotes the total number of tea cups Shubham can gain by having tea from the ith shop if he will not take Red Bulls from that shop.

Constraints:

1 ≤ T ≤ 100
1 ≤ S ≤ 1000
0 ≤ R ≤ 10^18
0 ≤ Red_Bulls[i] ≤ 1000
0 ≤ Tea_Cups[i] ≤ 1000
Time Limit: 5 seconds

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Output Format:

For each test case answer in new line maximum number of tea cups Shubham can have.

Sample Input:

```
1
3 2
1 2 1
100 1 100
```

Sample Output:

```
200
```

Explanation:

In first test case of sample , there are 3 stalls in a line, and Shubham has 2 Red Bulls initially. He will first go from his home to first stall. After this,

Red Bulls: 1, Tea Cups: 0

He will then have all Tea Cups available in the first

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Explanation:

In first test case of sample , there are 3 stalls in a line, and Shubham has 2 Red Bulls initially. He will first go from his home to first stall. After this,

Red Bulls: 1, Tea Cups: 0

He will then have all Tea Cups available in the first stall, and then go to second stall

Red Bulls :0, Tea Cups: 100

He will then take all the Red Bulls available in the second stall and go to third stall.

Red Bulls: 1 , Tea Cups: 100

He will then have all the tea cups available in the last stall and finish his journey.

Red Bulls: 0 , Tea Cups: 200

This is the maximum number of tea cups Shubham can have.

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