
Recipe

Bibi finds a cake recipe from the internet and she is excited to try it out, but she wonders whether her ingredients are enough to make the cake. Help her to find out if she has enough ingredient.

Format Input

The first line will be an integer T , denoting the number of test cases.

Then each test case will begin with an integer N denoting the number of ingredients needed.

The next line will have N numbers (A_1, A_2, \dots, A_n), how much the K -th ingredient is needed.

The next line will also have N numbers (B_1, B_2, \dots, B_n), how much the K -th ingredient Bibi already has.

Format Output

For each test case, print "Case #X: "(X starts from 1), then on the same line, print "YES" if she has enough ingredients, or "NO" if she doesn't have enough ingredients.

Constraints

$1 \leq T \leq 10$

$1 \leq N \leq 100$

$1 \leq A_1, A_2, \dots, A_n \leq 100000$

$0 \leq B_1, B_2, \dots, B_n \leq 100000$

Sample Input	Sample Output
2 5 1 2 3 4 5 2 2 5 10 7 5 1 2 3 4 5 5 4 3 2 1	Case #1: Yes Case #2: No