

C1 \rightarrow Skibidus & Forum Tax

\hookrightarrow Two array a & b are given

\hookrightarrow we have to make the array increasing in nature

$$\text{i.e } a_1 \leq a_2 \leq a_3 \leq \dots \leq a_n$$

\hookrightarrow set $a_i = b_j - a_i$

$$\Rightarrow a_i \geq \text{prev}$$

or

$$b_j - a_i \geq \text{prev}$$

$$\Rightarrow b_j \geq a_i + \text{prev}$$

\rightarrow CRUX of the problem

In C1 (easy version) b size is 1

hence we will check if

$$b[0] \geq a_i + \text{prev}$$

Remember one more thing suppose we have an array

$a_1, a_2, a_3, \dots, a_n$



Suppose we are at this index then

if $\rightarrow a_2 > a_1$ && $b[0] - a_2 > a_1$
then choose

$$\min(a_1, b[0] - a_2)$$

this is because it will be easier for upcoming a_3, a_4, \dots, a_n to make them increasing if we take minimum value of a_2 such that $a_2 > a_1$

In C2 version of this question we sort b array & find minimum element such that

$$b_j \geq a_i + \text{prev}$$

& if no such b exist print "No"
else print "YES" at the end.