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## Problem A. New Max

Input file:            **standard input**  
Output file:           **standard output**  
Time limit:            1 second  
Memory limit:         256 megabytes

Kamal has an array of size  $N$ .

He can do at most  $K$  operations on it, in each operation, he can choose any element in the array and change its value to any other value  $X$ , ( $1 \leq x \leq 400$ ).

Kamal wants to know if he can make the maximum element in the new array equal to  $M$ .

### Input

The first line of input will contain 3 integers  $N$ ,  $M$  and  $K$  ( $1 \leq N \leq 400$ ) ( $0 \leq K \leq 400$ ) ( $1 \leq M \leq 400$ ) which are the size of the array, the new maximum value and the number of operations.

The second line will contain  $n$  integers, the  $i_{th}$  one is  $a_i$  which is the  $i_{th}$  element in array  $a$ , ( $1 \leq a_i \leq 400$ )

### Output

For each test case, print "YES" if Kamal can make the maximum element equals to  $M$ , print "NO" otherwise.

### Example

standard input	standard output
6 4 3 1 5 3 4 2 6	YES