

Sequence Breaker

ZPRAC-16-17-Lab5

[20 points]

Given a number m and an array of n unique integers. Find out if m is the median of the n integers. The value of n will be always given odd.

Input Format:

The first line contains 2 space separated integer n and m .

The second line contains n space separated unique integers describing the array.

Output Format:

Print "Yes" if m is the median.

Print "No" if m is not the median.

Constraints:

$3 \leq n \leq 499$

n is odd

m always belongs to the array

Example:

Input:

5 67

1 67 55 107 92

Output:

Yes

Output is "Yes" because 67 is indeed the median of the 5 numbers given in the array.