**Search an element in an array**

You are given an array *A* of size *N* and an element *X*. Your task is to find whether the array *A* contains the element *X* or not.

**Input Format**

* The first line contains two space-separated integers *N* and *X* — the size of array and the element to be searched.
* The second line contains all the elements of array *A*

**Output Format**

Output "YES" if the element *X* is present in *A*, otherwise output "NO".

**Constraints**

* 1≤*N*≤10^5
* 1≤*Ai*​≤10^5

**Sample 1:**

Input

5 3

7 3 5 2 1

Output

YES

**Sample 2:**

Input

5 10

7 3 5 2 1

Output

NO