You are given a list of N integers and a value K. print 1 if K exists in the given list of N integers, otherwise print -1

.

Input:

- First-line will contain two numbers N

and K

- .
- Next line contains N
- space-separated numbers.

Output:

Print the answer in a new line.

Constraints

- $1 \leq N,K,Ai \leq 105$

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Sample Input 1:

4 2

1 2 3 4

Sample Output 1:

1

Sample Input 2:

4 4

1 2 6 9

Sample Output 2:

-1

EXPLANATION:

- In the first example, as 2 is present in the list.
- In the second example, 4 is not present in the list.