**FOUND AT LAST**

Take as input N, the size of array. Take N more inputs and store that in an array. Take as input M, a number. Write a recursive function which returns the last index at which M is found in the array and -1 if M is not found anywhere. Print the value returned.

**Input Format:**

There will be three lines of input:

1. N - the size of the array
2. N space separated integers that make up the array
3. M

**Constraints:**

1 < N < 1000  
-10^9 < i,M < 10^9 , where i is any number within the array

**Output Format**

For each case, print the integer value of the last index that M is found at within the given array.  
If it is not found, print '-1' (without the quotes).

**Sample Input**

7

86 -16 77 65 45 77 28

77

**Sample Output**

5

Program-

#include <iostream>

using namespace std;

int index(int a[],int n,int m)

{

if(n<0)

return -1;

if(a[n]==m)

return n;

index(a,n-1,m);

}

int main()

{

int n,i,m;

cin>>n;

int a[n];

for(i=0;i<n;i++)

cin>>a[i];

cin>>m;

cout<<index(a,n-1,m);

}