

Check Number in Array

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Given an array of length N and an integer x, you need to find if x is present in the array or not. Return true or false.

Do this recursively.

Input Format :

Line 1 : An Integer N i.e. size of array

Line 2 : N integers which are elements of the array, separated by spaces

Line 3 : Integer x

Output Format :

'true' or 'false'

Constraints :

$1 \leq N \leq 10^3$

Sample Input 1 :

3

9 8 10

8

Sample Output 1 :

true

Sample Input 2 :

3

9 8 10

2

Sample Output 2 :

false