

## Upper/Lower bound

Write a program, which finds the smallest integer bigger than or equal to  $X$  in a sorted array of integers with time complexity  $O(\log(N))$ . If there is no such element return an appropriate message.

### Input

searched integer  $-10^{16} < X \leq 10^{16}$

### Output

upper bound (if there exist such integer  $X$  - return it, if not return the smallest integer bigger than  $X$  in the array, or an appropriate message if there is no such element)

Do the same for lower bound

[github.com/andy489](https://github.com/andy489)