

## \* Kth Missing Positive Number

[2, 3, 4, 7, 9, 10]

missing  $\rightarrow$  1, 5, 6, 8, 11, ...

do a binary search.

$arr(m) - (m+1) < K \rightarrow l = m+1$

else  $\rightarrow r = m-1$

return  $l+K$

$O(\log n)$   
 $O(1)$