class Solution:

def searchInsert(self, nums: List[int], target: int) -> int:

tmp = 0

x = len(nums)//2

if len(nums) >=2:

for i in range(len(nums)-1):

if nums[i]<target<=nums[i+1]:

return i+1

elif nums[i]==target<=nums[i+1]:

return i

elif nums[-1]<target:

return len(nums)

elif nums[0]>target:

return 0

else:

if nums[0]>=target:

return 0

else:

return 1

class Solution:

def searchInsert(self, nums, target): # works even if there are duplicates.

l , r = 0, len(nums)-1

while l <= r:

mid=(l+r)//2

if nums[mid] < target:

l = mid+1

else:

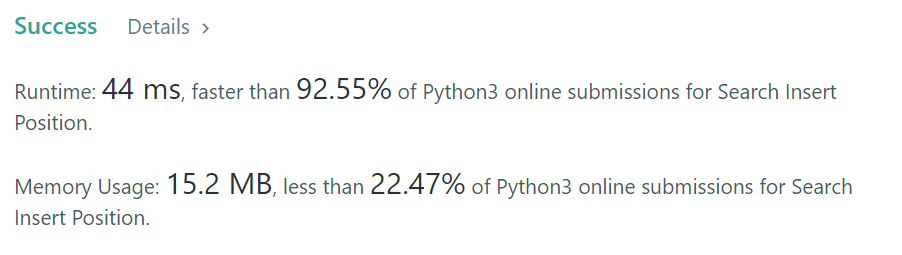
if nums[mid]== target and nums[mid-1]!=target:

return mid

else:

r = mid-1

return l



public int searchInsert(int[] A, int target) {

int low = 0, high = A.length-1;

while(low<=high){

int mid = (low+high)/2;

if(A[mid] == target) return mid;

else if(A[mid] > target) high = mid-1;

else low = mid+1;

}

return low;

}