Problem #704: Binary Search

My Solution:

class Solution:

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

low = 0

high = len(nums) - 1

while low <= high:

middle = (low + high)//2

if nums[middle] > target:

high = middle - 1

elif nums[middle] < target:

low = middle + 1

else:

return(middle)

return(-1)