

二分法 Leetcode 704



找到 target 返回下标

没找到返回 -1

① while (left < right)
 <= ?

② if (nums[middle] > target)

 right = middle
 middle - 1 ?

分类讨论: [left, right] ← 一般
 (left, right) ← 很少

① 对 [left, right] [1, 1]

left = 0

right = nums.size - 1

while (left <= right)

{ middle = left + $\frac{right - left}{2}$

middle = $\frac{left + right}{2}$ 可能越界

if (nums[middle] > target)

 right = middle - 1

nums[middle] - 定不越界

∴ middle - 1

else if (nums[middle] < target)

 left = middle + 1

else return middle;

}

return -1;



② [left, right) [1, 1) 左闭右开

left = 0

right = nums.size

while (left < right)

{ middle = left + $\frac{right - left}{2}$

if (nums[middle] > target)

 right = middle

else if (nums[middle] < target)

 left = middle + 1

else return middle;

}

return -1;

