

Two Pointers Problems

First Problem

Given an array of integers `nums` sorted in non-decreasing order, find the starting and ending position of a given target value.

If target is not found in the array, return `[-1, -1]`.

Input: `nums = [5,7,7,8,8,10]`, `target = 8`

Output: `[3,4]`

Second Problem

Given a sorted array of distinct integers and a target value, return the index if the target is found. If not, return the index where it would be if it were inserted in order.

Input: `nums = [1,3,5,6]`, `target = 5`

Output: 2

Third Problem

Given an array, rotate the array to the right by k steps, where k is non-negative.

Input: `nums = [1,2,3,4,5,6,7]`, `k = 3`

Output: `[5,6,7,1,2,3,4]`