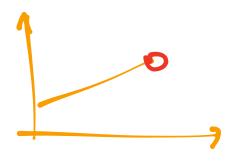
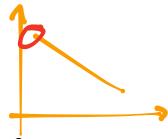


case 1: all increasing order (return len(nums) - 1)



case 2: all decreasing order (return nums[i] > nums[i+1], where i = 0)



case 3:

have a peak in the middle, cuz only need to return one of the peaks, consider it a decreasing or increasing for the first/last segment (left case: nums[i] > nums[i+1]; right case: len(nums) - 1

