class Solution {

public int[] searchRange(int[] nums, int target) {

if(nums == null || nums.length ==0) return new int[]{-1,-1};

int start = binarySearch(nums,target);

if(nums[start]!=target) return new int[]{-1,-1};

int last = binarySearch(nums,target+1);

if(last == nums.length-1 && target == nums[last]) return new int[]{start,last};

return new int[]{start,last-1};

}

public int binarySearch(int[] nums,int target){

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

while(low<high){

int mid = low+(high-low)/2;

if(nums[mid]<target){

low = mid+1;

}else{

high = mid;

}

}

return low;

}

}