## Find First and Lest Position of Element in Ported Array

For this problem we need on Ollogn) algorithm so benong search is required.

Approach: Two Burary Tearches:

We perform two separate ben'ary searches;

1. Find the first occurrence (leftmost endex) of target.

2. Find the last occurrence (right most index) of target.

If taget is not found, release [-1,-1].

Bunan Jearch for Fairt Eccurrence: 1

While rearching, of nums [mid] == target, move left too find earlier Decentrences.

Binary Tearch for Zost Occurrence: ]
While recording, if mems [mid] = = target, move right to find later Occusionces.

Complexity:

· Tuine: O(logn) for each binary rearch -> O(logn) total.

Trace: O(1)