540. Single Element in a Sorted Array

Given a sorted array consisting of only integers where every element appears twice except for one element which appears once. Find this single element that appears only once.

**Example 1:**

**Input:** [1,1,2,3,3,4,4,8,8]

**Output:** 2

**Example 2:**

**Input:** [3,3,7,7,10,11,11]

**Output:** 10

**Note:** Your solution should run in O(log n) time and O(1) space.