5. binary\_search - Recursive

1. **begin**
2. sort numbers[ ]
3. left = 1
4. right = numbers.length
5. mid = floor((left+right)/2)
6. **if** left > right **then**

**return** -1

7. **else**

8. **if** numbers[mid] == target\_number **then**

9. **return** mid

10**.** **else if** numbers[mid]>target\_number

11. **return** binary\_search(numbers, left, mid-1, target\_number)

12. **else**

13. **return** binary\_search(numbers, mid+1, right,target\_number)

14. **end**