# 33. Search in Rotated Sorted Array

## SOLUTION IN JAVA

class Solution {

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

int l = 0;

int r = nums.length - 1;

while (l <= r) {

final int m = (l + r) / 2;

if (nums[m] == target)

return m;

if (nums[l] <= nums[m]) { // nums[l..m] are sorted.

if (nums[l] <= target && target < nums[m])

r = m - 1;

else

l = m + 1;

} else { // nums[m..n - 1] are sorted.

if (nums[m] < target && target <= nums[r])

l = m + 1;

else

r = m - 1;

}

}

return -1;

}

}