JULY 2023

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1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

WK 24 • 167-198

JUNE 16

FRIDAY

(15) Sort Colors

nums = [2, 0, 2, 1, 1, 0].

left = 0.
mid = 0
right = 6 - 1 = 5 => nums.size() - 1.

Switch (nums[mid]). ——→ right --;
↳ (2)

mid = 0
nums[0] = (2).

2, 0, 2, 1, 1, 0.   swap(nums[mid], nums[right])]

0, 0, 2, 1, 1, 2.   right = -- => 5 - 1 = 4.
left = 0.
mid = 0.

switch (nums[mid])

mid = 0. => nums[0] = 0.

0, 0, 2, 1, 1, 2. => 0, 0, 2, 1, 1, 2.
↑   ↑ →↑
mid, left   mid, left

left = left + 1. | 0, 0, 2, 1, 1, 2.
mid = mid + 1. | ↑   ↑
right = right. | left, mid   right.

17 JUNE

SATURDAY

0, 0, 2, 1, 1, 2.
        ↓   ↓
                right.

    left, mid

Smith (2) → swap (nums[mid], nums[right])
            right --;
            mid ++;

0, 0, 2, 1, 1, 2 → 0, 0, 1, 1, 2, 2

Smith (0) ⟹ swap (nums[left], nums[mid])
            left ++;
            mid ++;
            break;
Switch (1) ⟹ ~~swap (nums[left],~~
            mid ++;
            break;
Switch (2) ⟹ swap (nums[right], nums[mid])
            right --;

18 SUNDAY
            break;