Hard

i {} 5 ⊕ □ public int minSwaps(int[] data) { int ones = Arrays.stream(data).sum(); int cnt_one = 0, max_one = 0; // maintain a deque with the size = ones Deque<Integer> deque = new ArrayDeque<>(); for (int i = 0; i < data.length; i++) { // we would always add the new element into the deque deque.addLast(data[i]); cnt_one += data[i]; // when there are more than ones elements in the deque, // remove the leftmost one if (deque.size() > ones) { cnt_one -= deque.removeFirst();; max_one = Math.max(max_one, cnt_one); return ones - max_one;

Minimum Adjacent Swaps for K Consecutive Ones

swaps needed to group all 1's in this subarray?

It's the number of zeros in that subarray.

Use Sliding Window technique.

How many 1's should be grouped together? Is not a fixed number?

Yeah it's just the number of 1's the whole array has. Let's name this number as ones

Do you need to count the number of zeros all over again for every position?

Every subarray of size of ones, needs some number of swaps to reach, Can you find the number of

Hide Hint 1

Hide Hint 2

Hide Hint 3

Hide Hint 4

Hide Hint 5

Hide Hint 6

☆ Pick One