**Sliding window / 2 pointer**

* Pattern 1 : Constant window
* Pattern 2 : Longest sub-array / sub-string where <<condition>> (dynamic window)
  + Sum <= 12
* No. of sub-arrays where <<condition>> (using pattern 2)
* Shortest window where <<condition>>
  + Once valid window obtained -> shrink

Questions -

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| ~~[https://leetcode.com/problems/longest-substring-with-at-least-k-repeating-characters/](https://www.google.com/url?q=https://leetcode.com/problems/longest-substring-with-at-least-k-repeating-characters/&sa=D&source=editors&ust=1745874937101193&usg=AOvVaw0HUCkXGe3dr4pSWh-COnso" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |
| ~~[https://leetcode.com/problems/max-consecutive-ones-iii/](https://www.google.com/url?q=https://leetcode.com/problems/max-consecutive-ones-iii/&sa=D&source=editors&ust=1745874937101309&usg=AOvVaw3KjkZMXUFxJDJOcGH7S_YB" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |
| ~~[https://leetcode.com/problems/grumpy-bookstore-owner/](https://www.google.com/url?q=https://leetcode.com/problems/grumpy-bookstore-owner/&sa=D&source=editors&ust=1745874937101416&usg=AOvVaw13-2KZ4MMPUVDdQd-PTnkP" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |
| ~~[https://leetcode.com/problems/sliding-window-median/](https://www.google.com/url?q=https://leetcode.com/problems/sliding-window-median/&sa=D&source=editors&ust=1745874937101524&usg=AOvVaw3ZHW12M9LIQbgJjLk1P6Nl" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~  [lengthy] |
| ~~[https://leetcode.com/problems/partition-labels/](https://www.google.com/url?q=https://leetcode.com/problems/partition-labels/&sa=D&source=editors&ust=1745874937087632&usg=AOvVaw2we5ah7W-lmPBuqeGLH6Jp" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |
| ~~[https://leetcode.com/problems/sort-colors/](https://www.google.com/url?q=https://leetcode.com/problems/sort-colors/&sa=D&source=editors&ust=1745874937087740&usg=AOvVaw2SmMru8JEyKkJ7CTLUpDbi" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |
| ~~[https://leetcode.com/problems/longest-repeating-character-replacement/](https://www.google.com/url?q=https://leetcode.com/problems/longest-repeating-character-replacement/&sa=D&source=editors&ust=1745874937087856&usg=AOvVaw1sHAFK2kUpbRjfnXkdeedR" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |
| [https://leetcode.com/problems/maximum-number-of-visible-points/](https://www.google.com/url?q=https://leetcode.com/problems/maximum-number-of-visible-points/&sa=D&source=editors&ust=1745874937087966&usg=AOvVaw01hDA8fCf6fPr6Z24v_QG2" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank) |
| ~~[https://leetcode.com/problems/subarrays-with-k-different-integers/](https://www.google.com/url?q=https://leetcode.com/problems/subarrays-with-k-different-integers/&sa=D&source=editors&ust=1745874937088073&usg=AOvVaw21TwaZ8voSaadbgabMRYoi" \t "https://docs.google.com/spreadsheets/u/0/d/1-wKcV99KtO91dXdPkwmXGTdtyxAfk1mbPXQg81R9sFE/_blank)~~ |