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Motivation :-

Your brain is a limitless powerhouse-capable of learning, adapting and mastering anything you set your mind to. Feed it challenges, and watch it grow.

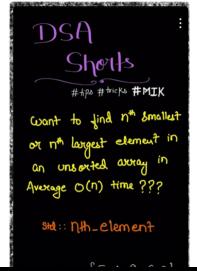
Find median of X sized subourays EFFICIENTLY

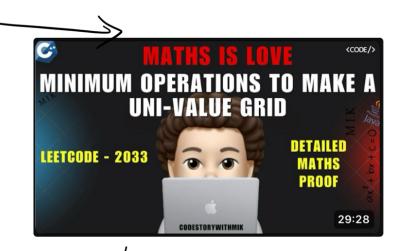
Subarray size = 5

nums =
$$\{5, -2, 1, 3, 7, 3, 6, 4, -1\}$$

$$\text{Meswlf} = \{3, 3, 3, 4, 4\} \quad \text{for } \{-2, 1, 3\} \quad \text{def} \quad \text{for } \{5, 4\}$$

7th-lent





nums =
$$\{5, 7, -2, 3, 1\}$$

S Adjustment ? /Balancing)

(100)

57

right (sortea)

(1) DS -> sorted.

left. size() <= right. size()

- 2) Even Size > Half /Half.
- 3) old 1ize -> left. size = xight.size +1
- 3) Multiset.

nums = $\begin{cases} 5, -2, 1, 3, 7, 3, 6, 4, -1 \end{cases}$ result = $\begin{cases} 3, 3, 3, 4, 4 \end{cases}$

left.euphy(1)

\(\left - 1, 3, 4 \) left. \(\text{size()} \times = \text{right. Aize()} \)

\(\text{left} \)

\(\text{multiset < int>} \)

\(\text{multiset < int>} \)



