

- Push
 - POP
 - Top



-) Eary (3 (pps.).
Baskettrop







456. 132 Pattern

Given an array of \underline{n} integers \underline{nums} , a 132 pattern is a subsequence of three integers $\underline{nums}[\underline{i}]$, $\underline{nums}[\underline{j}]$ and $\underline{nums}[k]$ such that $\underline{i} < \underline{j} < \underline{k}$ and $\underline{nums}[\underline{i}] < \underline{nums}[\underline{k}] < \underline{nums}[\underline{j}]$

Return true if there is a 132 pattern in nums, otherwise, return false.

Example:
$$-$$
 nome = $\{3, 1, 4, 2\}$
Output = π

Nume =
$$\{-1, 3, 2, 0\}$$

Output = True. $-1 < 2 < 3$

$$\frac{\text{nums(i)}}{\text{or (inf } i=0; i< n-2; i++)} < \frac{\text{nums(k)}}{\text{cm (j)}}$$

$$\frac{\text{for (inf } j=i+1; j< n-1; j++)}{\text{for (inf } j=i+1; j< n-1; j++)}}$$

Better Approach

Lizjek)

$$\text{Nums}[i] < \text{nums}[k] < \text{nums}[j]$$

$$\text{nums} = \{3, 1, 42\}$$

$$\text{num}_i = \text{nums}[o]; //32$$

$$\text{for} (j = 1; j < n - 1; j + 1) \{$$

$$\text{num}_i = \min(\text{num}_i, \text{nums}[j]);$$

Land 12

nlager) a sorting.

Best Approach

S => Why (n-1) to 0 traverses w

>> Why Stack ???

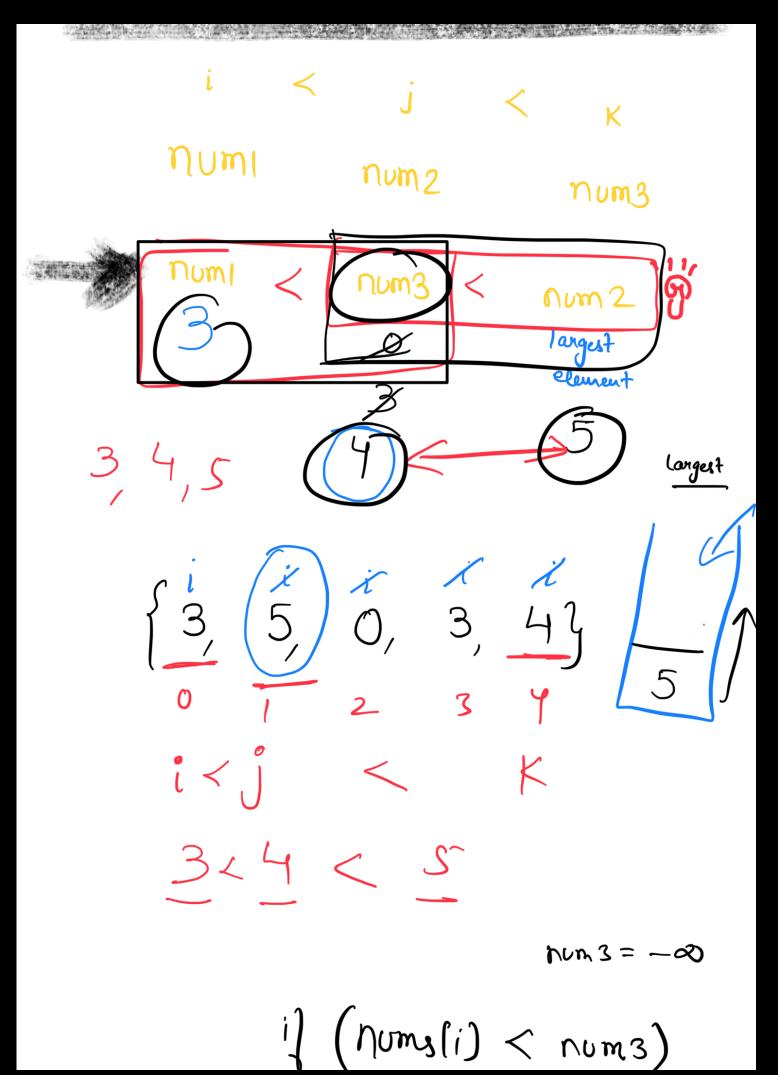
L>10 Dependent joy 1000s

> Monotonic Stack. num / num 3 < num 2

largest element

2 largest $\{-1, 3, 2, \dots \}$ i) (nums (i) < nums) retu True;

Another Good Example Dry Run:



Mehr True;