

th [1,3,4,3,1] th=6

From <https://leetcode.com/problems/subarray-with-elements-greater-than-varying-threshold/>

You are given an integer array nums and an integer threshold. Find any subarray of nums of length k such that every element in the subarray is greater than threshold / k. Return the size of any such subarray. If there is no such subarray, return -1. A **subarray** is a contiguous non-empty sequence of elements within an array.

From <https://leetcode.com/problems/subarray-with-elements-greater-than-varying-threshold/>

$\{1, 3, 4, 3, 1\}$

$\frac{6}{2}$

2

th

$\{1, 3, 4, 3, 1\}$

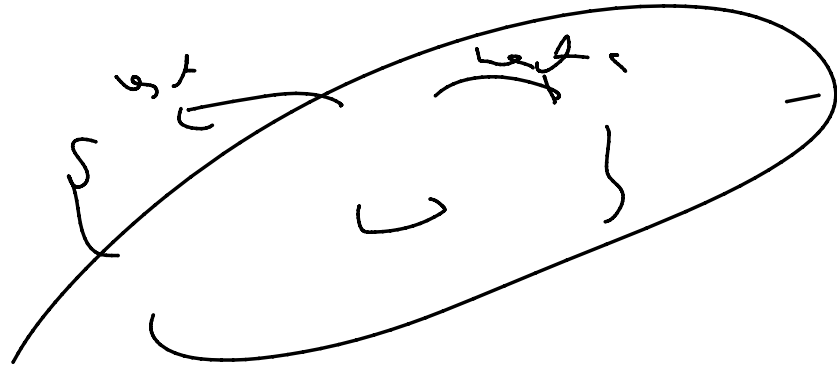
$\frac{1}{1} \rightarrow 6$   
 $\frac{4}{2} \rightarrow 3$   
 $\frac{1, 3, 4}{3} \rightarrow 2$   
 $\frac{1, 3, 4, 3}{4} \rightarrow 1.5$

$\frac{3}{1} \rightarrow 6$   
 $\frac{3, 4}{2} \rightarrow 3$   
 $\frac{3, 4, 3}{3} \rightarrow 2$   
 $\frac{3, 4, 3, 1}{4} \rightarrow 1.5$

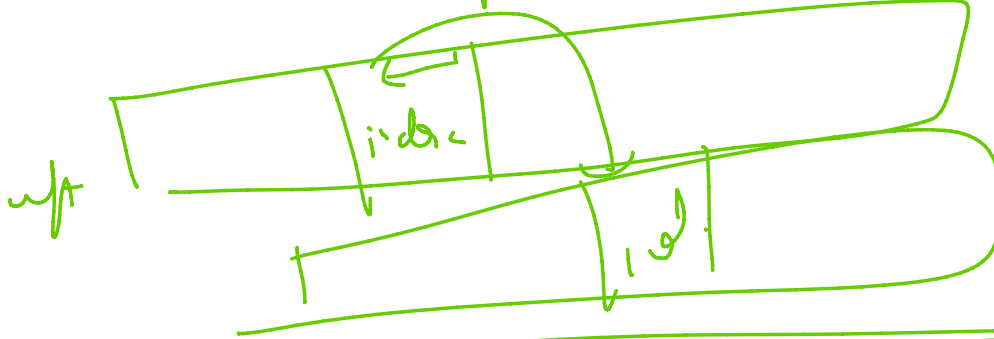
$\frac{4}{1} \rightarrow 6$   
 $\frac{4, 3}{2} \rightarrow 3$   
 $\frac{4, 3, 1}{3} \rightarrow 2$   
 $\frac{3}{1} \rightarrow 6$   
 $\frac{3, 1}{2} \rightarrow 3$   
 $\frac{1}{1} \rightarrow 6$



$$\left(\frac{6}{2}\right)^2 \quad \text{---} \quad \text{---}$$

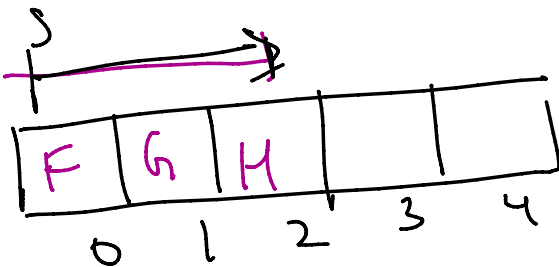


{ 0, 5, 6, 4, 2, 4, 8, 1, 5 }



PO

word Queue ??



$$s = 3 \quad \text{---} \quad 5 \quad \text{---} \quad 1.5 = 0 \quad \text{---} \quad s + size$$

$$size = 3$$

$$3 + 2 = 5 \quad \text{---} \quad 1.5 = 0$$

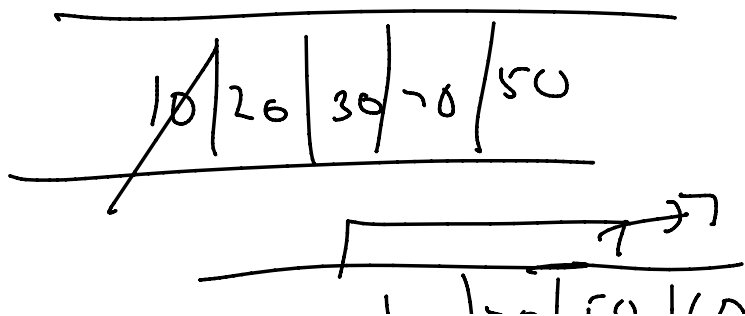
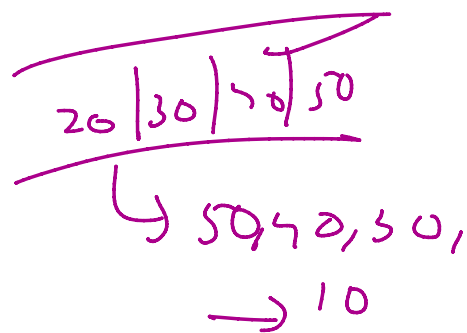
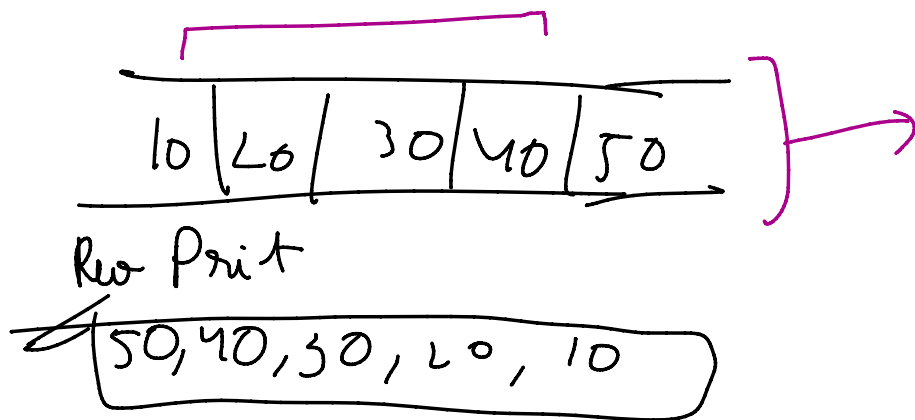
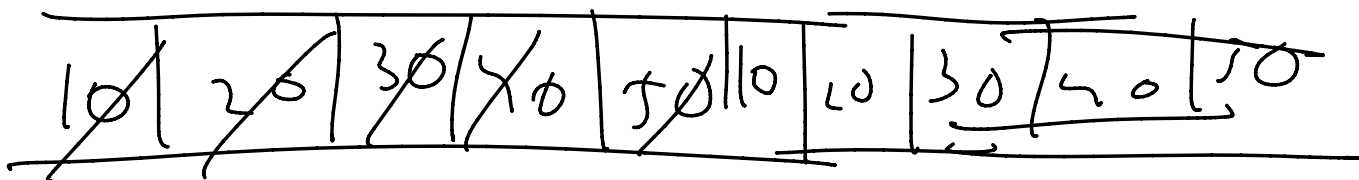
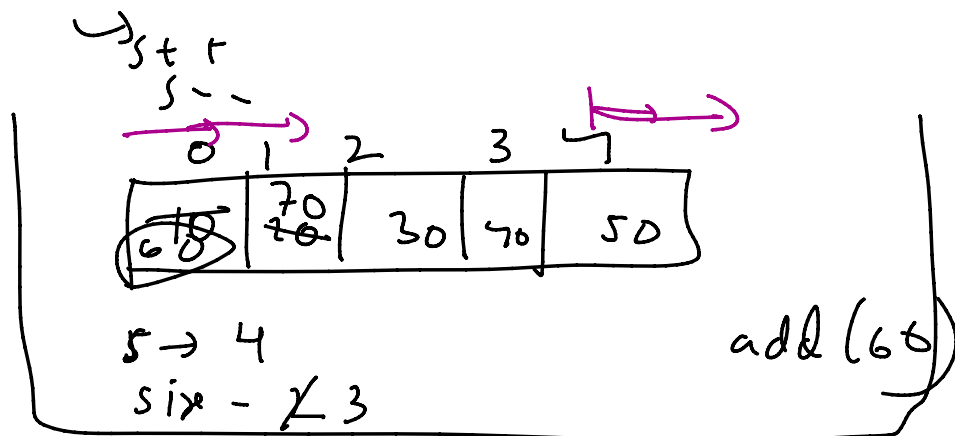
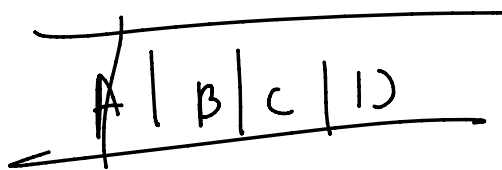
add/pop

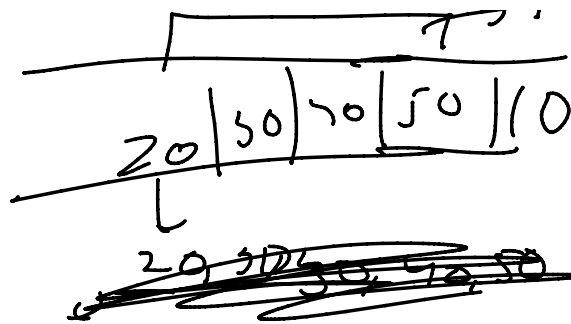
poll()

peek()

size

is Empty





50, 40, 30, 20

