

New Section 1 Page 1

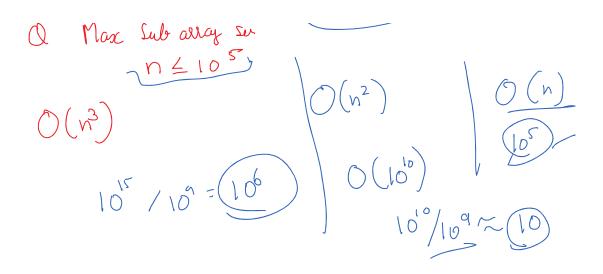
$$\begin{cases} \frac{1}{3} & \frac{$$

New Section 1 Page

$$O(1)$$
 $O(lyn)$ $O(n)$, $O(n)$, $O(n lghn)$

$$O(n^2)$$
, $O(n^2 \log n)$, $O(n^3)$, $O(c^n)$ $O(n!)$, $O(n^n)$



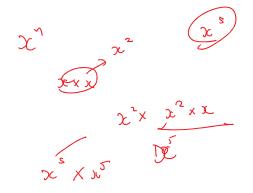


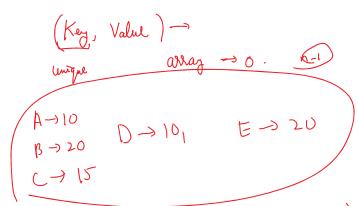
	W (Bet	
Bubble	O(n2)	$\mathcal{J}(N_5) \to \mathcal{J}$	(4)
Selec	0(n2)	2 (n2)	
In	0(n2)) 25 (v)	
	~~~		

Given: 1 * x^n+2*x(n-1)+3*x(n-2)... + nx; solve, return number n=3; x=7;

ν^γ 2

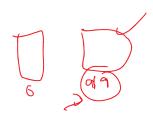
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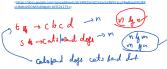


	Sand > O(n), Ky avalo
Kan-	A B C D E Add > O(1)
( -0	20 15/10/20 Run poe -> O(n)
Valu	Upste -> O(n)
11	J

Hos Search > key O(), Uptle O(1) Add > O() Remor > O()







You are given an array of Integers in no particular order. Write a Program to find the longest possible sequence of consecutive numbers using the numbers from the array.

Target O(n)

Input: [2,12,9,16,10,5,3,20,25,11,1,8,6]

16,20,25



Output : [8,9,10,11,12] Input : [15,13,23,21,19,11,16] Output : [15,16]

