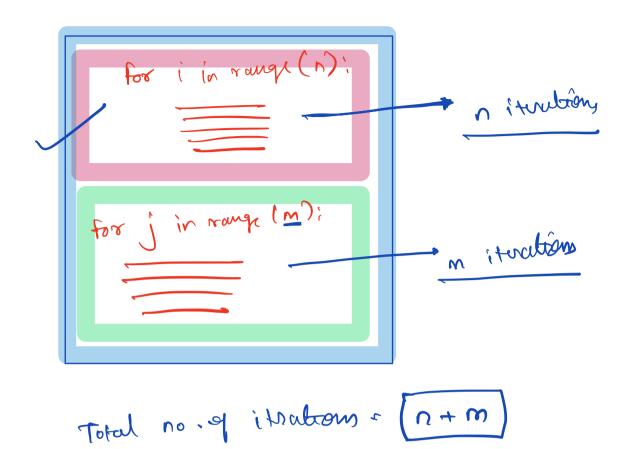
"Hello Everyone!"

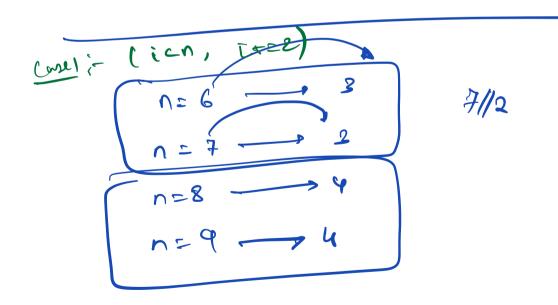
Time Complexity of a Code.

No. of itrations

* 2 Time Complexity - Big-0

O()





obs:
$$Con2$$
 (icen)

 $n=6$
 $n=$

and
$$-\frac{n}{2}$$
 and $-\frac{n}{2}$ and

genrali30

$$0=6 \longrightarrow (6+1)//2$$

$$-37//2$$

$$n=7 - (7+1)1/2$$

$$= 81/2$$

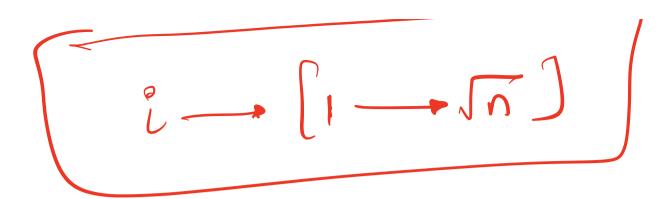
$$= (4) \sqrt{ }$$

$$l=1$$

while $l \neq l \leq n$:

task

 $l \neq l \neq l$



$$\begin{bmatrix} 1 & 5 \end{bmatrix} \rightarrow \begin{bmatrix} 5 \\ \end{bmatrix}$$

$$\hat{v} = 1, 2, \frac{3}{3}$$

$$|\hat{v}|^2 = 1, 4, 9$$

while
$$2 + 3 < -9$$
?

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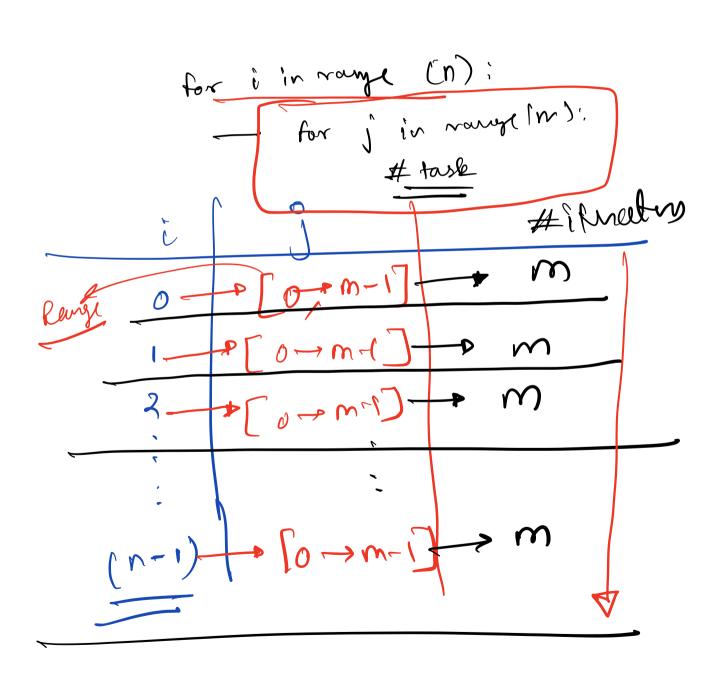
n = 16

	v	いゃし	Loop?
()	1	1	14=16
(1)	12	L	4 C= 16
3	3	9	92=16/
(4)	4	16	16
5	5	25	25 4=16 X
		1	•

not entered

no. of irrations = inton

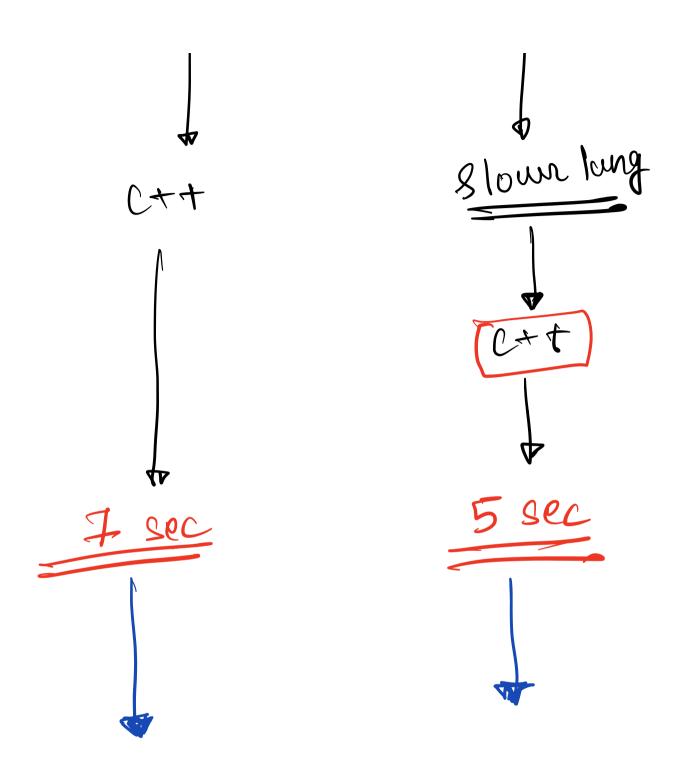
10:01 marp



Total itrelations m+m+m --- n time N + M

& time Complexity

Scenerio ;ci: Logici (Lupum) Logica (Sujit) 10 sec 15 sec (macbook M3) (windows XP) (machook m3) lo sec 7 800



depends on so many external factors, hence me genrally don't Compose execution thru between 2 Algorithm (Logic)

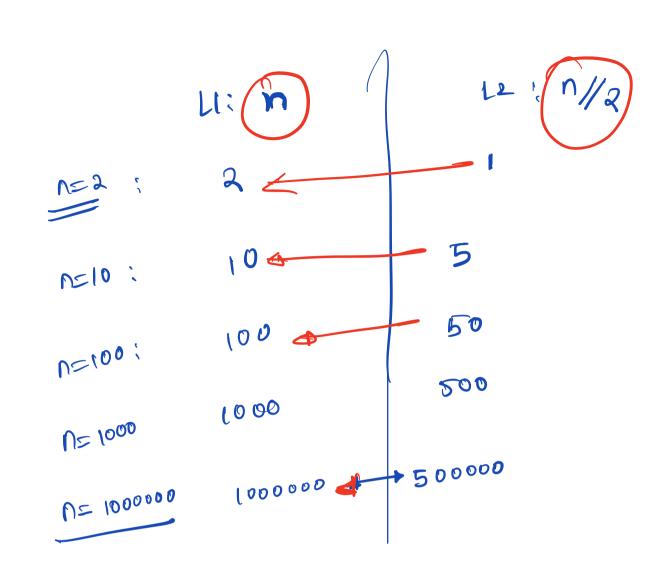
conclubion, ;-

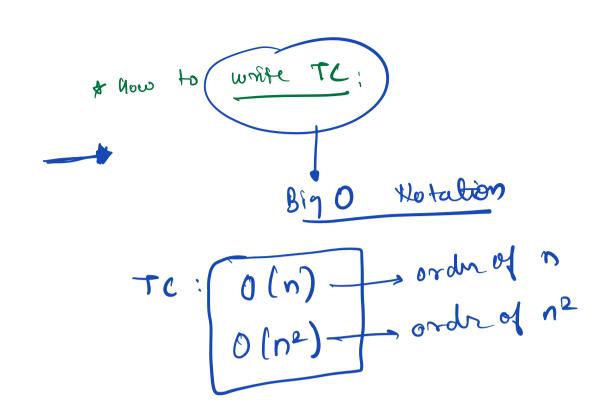
rodifications of the rode as a neasure of performence 100 cm tom?

1000

Million / Billion

Analyse the performance of am Algorithm (logic) for a Nory large Imput.



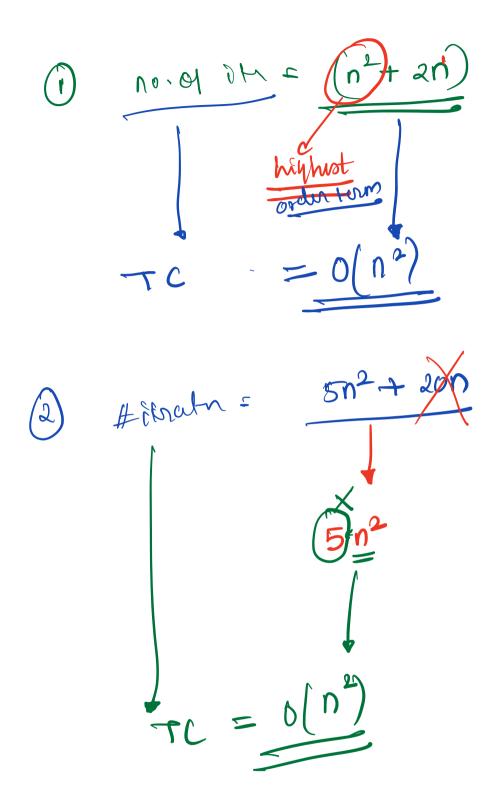


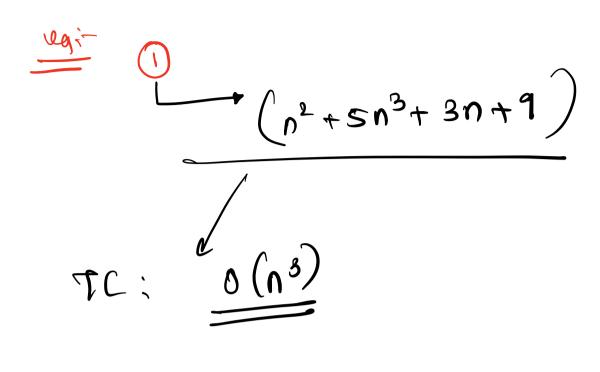
Descriptions

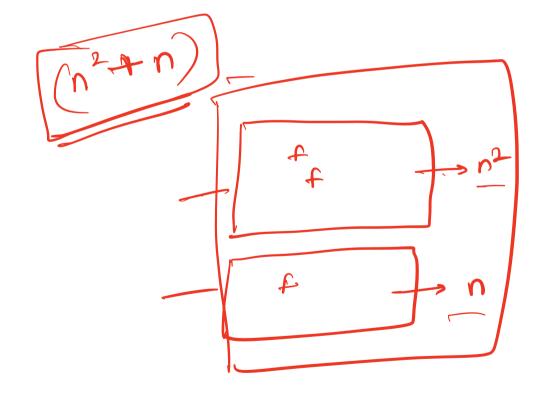
Descriptions

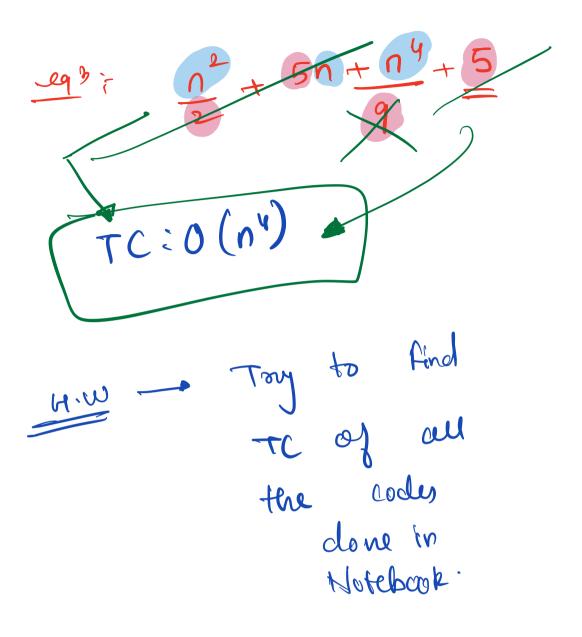
Typose lowr order terms

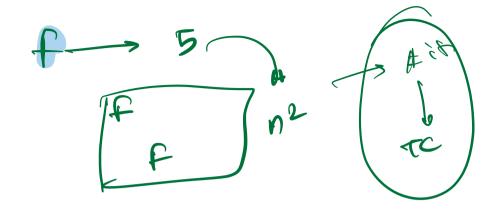
Typose Coefficients

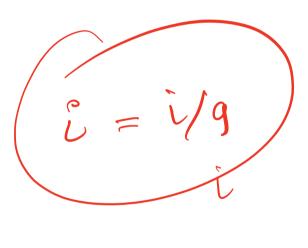












J = (x)