

We will start at 7:35 Amon's Doubt class > 6:30pm Zoom_

from > fell your doubts Agenda > Complexity analysis of algorithms

1 Process consumes 80me memory le enecute a bask proces takes serve time Algo memory efficient

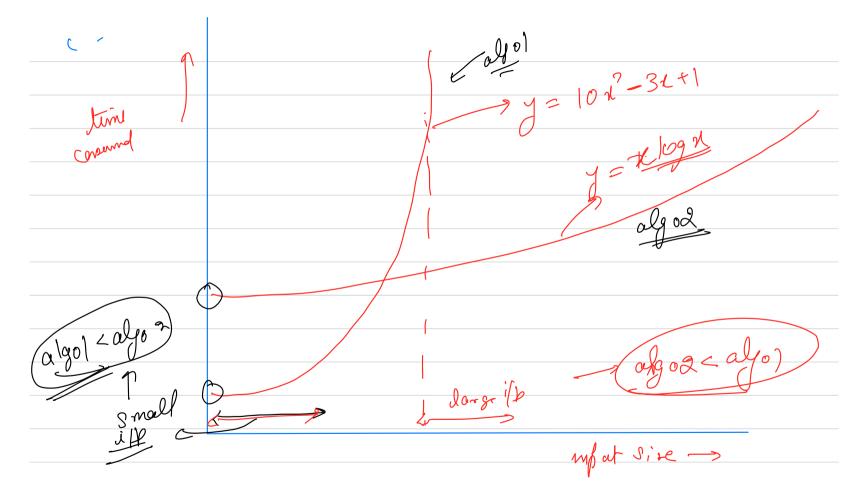
Consume less lim to enecute the task Mow we can calculate how much time an algo takes to execute ?? time consumed by A - (t'-t)

Experimental point at while code starts to execute Statemento when the lode

Because -> your computer down't certually executes Everything farallely

- multiprocessing

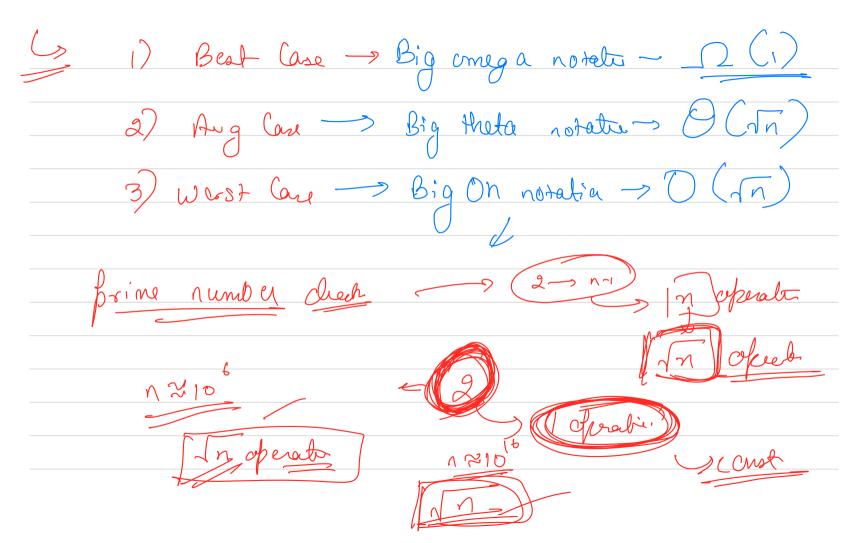
multiprocessing So microprocessor (19, 17, is-...) very vue fant



In change in enecution time based on change in change in temperate is a better metric to measure. I Rate of growth of algorithe execute lim afforithe having lesser rate of growth well te kelter-

f(1) = a2 + b2" + Cx" - - - ... $g(n) = an + bn + cn^{-2} - - - -$ dyru - n fes 2 polynomal havey save dyrer, Mirate of grouel well be san fer lage value of f(n)= 3n2 t 2at) rate of growth is less

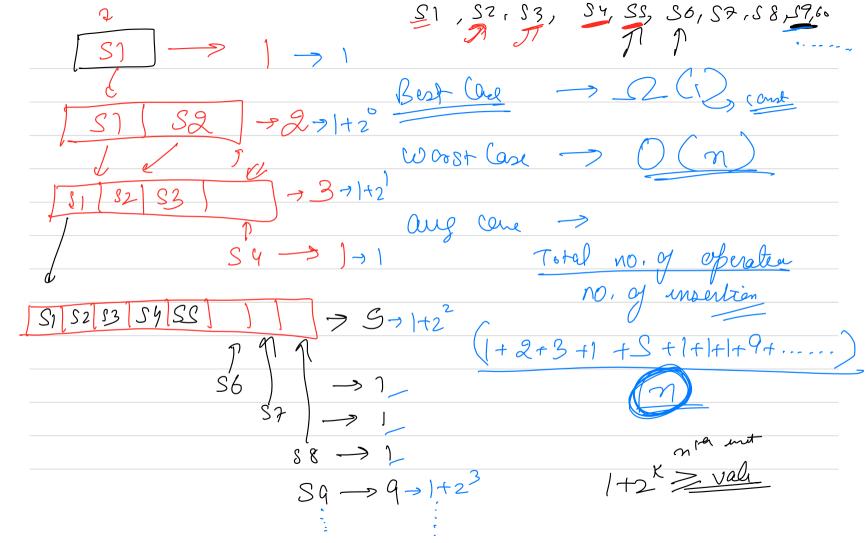
visuales me outry -> 9 de lan approximalely growth in rems of the hybrist degree folgrend, we can compare also. Osymptotic analysis

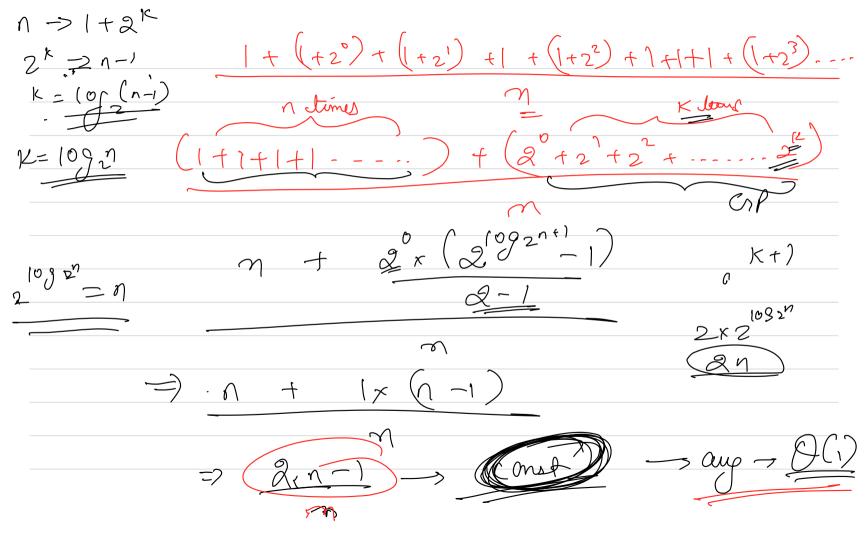


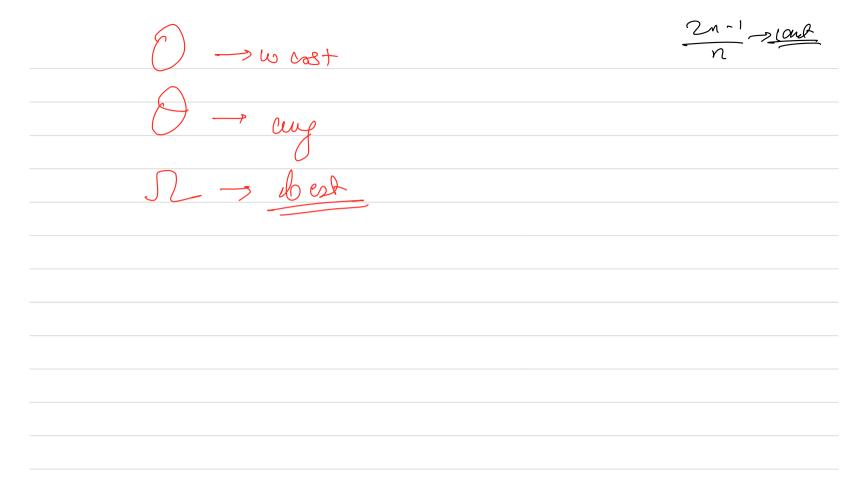
- implem	ent your	ouen	uns eet	ton celpo	rith t	latins	erts
at me	last	of a	list	where	400	Can	culy
-> implem at the	leat of	Cons	fant	Size	U		
	•						

7000 neur grow
-> You can only create a list of const Size.
> You cannot use append funct.
> Instead write your our func Called as
old at last, that adds element at last.

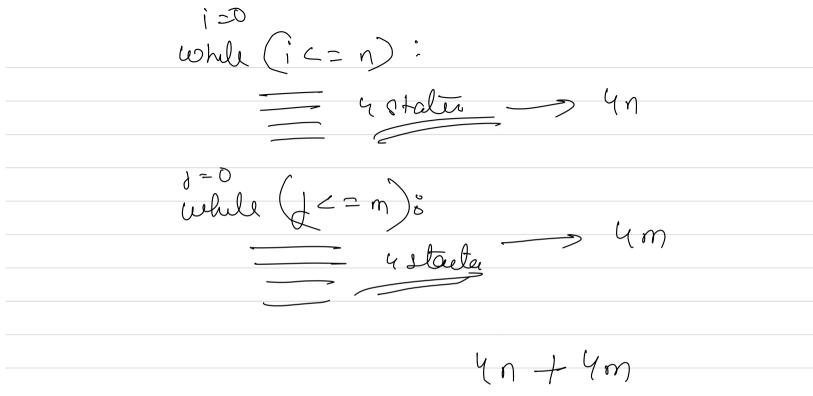
S1, S2, S3, S7, S5, S6, S7, S8, J D12 OL If you have done n'ensertier till 100, how many operates you well do fer (2+1) to







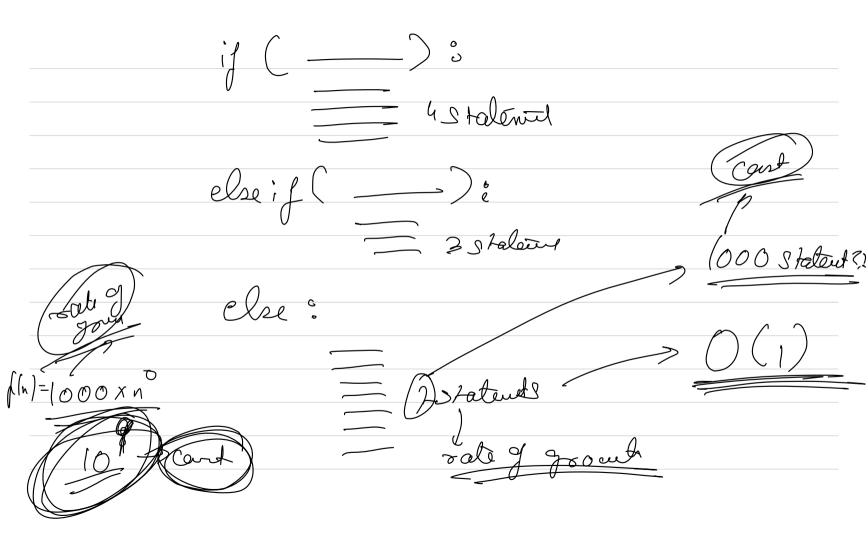
4 Statemels operation ~ no of lunes enertied x no, of times



 $\frac{20(n+m)}{2}$

j =0 while (i<=n): print ("Hello") Kime complety while $(K \leq = m)$; Print ("World")

We are more conncerd about cuy & wast cao & manly wast care



i=1 i=2 i=3 +2 +3 - --

