

DATE:/
Direct way to Calculate the order of growth
DI I gnore the lower order term
De Souvre the leading term Constant.
If the Multiple terms are fresent in expression they
3 C < loglogn < logn < n 1/3 < n 1/2 m (n 1/2 / m)
Increasing order of time taken
Smantle' $ \Rightarrow f(m) = 2n^2 + m + 6$.
$\frac{1}{2} \int_{\mathbb{R}^{n}} \frac{1}{2} \int_{\mathbb{R}^{n}} \frac{1}{2}$
× × ×
= Enaufle 2 > f(m) = 1000m + 30
Sin > 1000m + 30 > Order of Growth > n
X X
a hade a little god a day in the
Evanfle 3 > f(m) = Glogn + C2. g(m) = Gm+Cylylym+C5.
Sola > f(n) > Gloy, + (2 / g(n) = Gn + Cylylyn + C5
f(n) = loyn / g(n) = n =
Confore from the Chart we an observe that
of (m) is more optimal than g (m).
Good Write

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A Symptotic Notation	
D Big O > Enort order of brown	the or affect with
•	
Thetha 0 > Enoct order of	Crowth Avg Cos
3 Omega 1 7 Enoct order of to	routh or Louis Best
(#) Some infertant frints about.	
DO (Thetha) is calculated when you	Marian Minder
order of growth, you know about enout	
	,00
DO (Big) is Calculated when you do	on't know the
enact order of growth goverally it is Calculo	tol in IT-inlustry,
because are con Say through Big O refers	See Newson
Confluity or hipper. It is also Called a	
· · · · · · · · · · · · · · · · · · ·	
(3) N (mega) is not generally Calcula	abol beause it is
not correct way to know about the Gos	J J J
· ·	
It is also Called Best Case Complex.	
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