

		Order of Magnitude	
>	7	a determine the time of Algo under	Apriori
	16	malusis.	
	11		2 1 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2
=)		Order of Magnitude of a statement of	the
* .		Order of Magnitude of a statement of Algo: refers to the count of Eur operation in the step.	ndamental
		aftration in the step.	
	C		74 - 74 - 74 - 74 - 74 - 74 - 74 - 74 -
CS		Alga Sum (9,6,0) { integer a, 6, c; 1. read (9,6) -> T.C =	1
0		Sinterer abici	
		7 miles affect (a, 6) -) T.C =	
		2. il (a6) -> T. (=	
a -11 _ as		2. if $(a < b)$ — T. $(=$ $c = a + b; 3 -)$ 11	y
		else	(/
* · · · · · · · · · · · · · · · · · · ·		E C = 946 }	
		0: (()	11
		Print (c)	The state of the s
200		T. C = Constant	
		- Constant	
	2	Son I > n	
	3	$C = a + 6 \qquad -) (+) = n + i mes$	
	- 12 - 12 - 13 - 14	$(=)=\eta$ times	
		main (+)	
		00 (n)=T.C	

The basic objective of Apriori Analysis is to sepresent the T-C were I imputsize (n) Time & function (wrt tasire (n)) Rolynamial Exponential

2ⁿ, 3ⁿ

log n', n', n', n' Exponential fun have higher rates of growth (Takes more time) Clare les time T. C must be lobynomial to be Efficient. ralled Complexity Theory. Apriori - Analysis. To determine the runing Time w.r.f increasing input Size (n) 3 To observe for the the Alga for diff. values of fixed (n).

