	Time 8 Space Complexity Date
on the control of the	Page
->	For I for loop, Time Complexity will be > O(n)
	n -> Input Size
->	Large Input => More Time it takes
-9	Two algorithms
	2n + 400 < 5n + 6
	-) n > 132
	2n+400 algo will be better than 5n+6 algo till
	the transfer than 172
	f(h) = 2 n + 400 y = mx + c = there f(n) is better
	Slope than (gn)
	(n) / = g(n) grows faster than f(n) because
= 5n	of steeper slope than f(n) even
2 ) 11	(n)   7 g(n) grows faster than f(n) because of steeper slope than f(n) even though it starts at less interception(c).
#	Asymptotic Analysis
	Don't worry about small injutes, worry only
	Don't worty about small influts, worry only about large inputs.
	Instructions/steps can be performed by Computer ->108/sec

Page..... Time Complexity Worst case algo accepted 2) Length of input (102) O(N!), O(NB) < 10 -- 17  $O(2^N \times N^2)$ C [15 -- .18 < (18---22) 0 (2 N X N) < 100 0/1/ < 400 O(N 3) O (N2 LogN) < 2K O(N2) 10K O (N × Log N) O(N), O(LogN), O(1) < 100M