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	Analysis computer Algorithms
<u>)</u>	
	Let us understand the difference blw
	two o and o for only given function
	s(n) we donate Os((n)) as follows
	Q(s(n)) = &f(n): 7 positive constant (,6)
	0 ≤ a, S(n) ∠f(n) ≤ a, s(n) for all nzn
	And O's basically considered as the ave
	case and its tight band on the other
	hand 09s asymptotic upperband and
	defined as
	o (g(n))= {f(n): 3 positive constant (&n
	0 < f(n) < (g(n) + n zno
	It is considered as worst case notation
F-A	
	aysin) (qin)
,	\$(n)
	ais(n) f(n)
1 a .*- a	
	f(n) = O(g(n))
	f(n)= O(s(n))
*	Now John comes up with O(n2log(n)) and Bill
	has a time complexity of o(n2log(n))
	Johns time is average case and bills to