	0 1 2 3 4 5 6 7 n-1
	j 0 0 2 0 4 0 6 0 n-1
	T = 2+4+6++ n-1
1 1	$\frac{1}{2!} = n(n+1) - \cdots > n(n+1), 1 = n(n+1)$
	i=1 2 2 4
	$f(n) = 100n^4 + 5000n + 3$ $f(n) \in O(n^4)$ ?
	$C * n^4 > 100n^4 + 5000n + 3$
	C > 100n4 + 5000n + 3
	ny ny ny
	c > 100 + 5000 + 3 $n = 10$
	n³ n <sup>4</sup>
	C > 100 + 5000 + 3
	103 104
	C > 100 + 5000 3
	1000 10000
	c > 100 + 5 + 0.0003
	c > 105.0003
	Yes; c = 105.0003; no=10
	7.000007 10