Tistarial 2. Name: Sonan Uni Rollno: 2014892 0(55) Anol. T(n) = T(n-1) + T(n-2) + 21+2+4+ ... 2h a=1 , h=2 · 0(3h+1)=0(2×2h) = 0(24) space complexity= o(n) ndogin dog (dog(n)) T(n)= T(n/4) + 7(n/2) + en Am 4. dets assume => T(n/2) => T(n/4). ?. T(n) = 2T (n/2) + Cn2 applying master is the over a=2, b=2, f(h)= Ch2 c= logs9= dog. 2=1 n2010 >1. hence $T(n)^2 \Theta(y^2)$ O(ndogn) An s

	PAGE NO.
Am	Al with a cotton than 1
	21 K in count. an grecter than 1 ther T.C = O(log logn).
Ans	4. hore T= T (99n/100) + T (4/100),
	note 1= 1 (sully be less than the last
	, n
	100 100
	99 100° 100° 100° 100° 100° 100° 100° 10
	and an extra part of the
	- Amai