Lexanda martino da Pailira 1203032345	duting to therewas
B)a- \ T(1)=1	2.(3)7-d(8
(t(n)= 3t(n-1)+1	(t(m)=4+(m
	1932
1 T(n)=3+(n-1)+1	3714-(Stee) 1 E.
2. parso: T(n-1)	OTH SHOWER
	4.7(0) = 4(4)
T(n-2) + 3 t (n-3)+1	1300 134 6 CH12
	3/10/24
11 = 32(n-2)+3+1}04	
n 3(n-2)+4	
$T(n) = 3^2(3(n-3)+1)+4$	
3 ³ (n-3)+9+4	2 4 (0 C) C (0 C) - 1
3'(n-3)+13	3 a (to ham)
$5.3(n-i)+\frac{2}{5}3(n-i)+\frac{3}{5}$	3 (n-i)+3-1
$5. 3^{i}(n-i) + 2^{i} + 3^{i} + 3^{i}(n-i) + 3^{(i-1)+1} - 1 = 3^{i}(n-i) + 3^{(i-1)+1} - 2$	2/
3-1 moles a med a	= m + 1 = = 6/11
f(n-i) = f(1)	30
n-i = 1	1 4. (w/5,)+(B
$i = \gamma_{i} - 1$	4
$3^{n-1}(n-1)+3^{n-1}-1$ $3^{n-1}+3^{n-1}-1$ 3^{n}	-4) = (4)7
2	2/
T(1)	(10) EO (1)
$T(n) \in \Theta(3^n)$	
ba: 2n -1 = 1 - 2 3-1 = 2 = 44 correcte	- (PO) N - N - N - N - N - N - N - N - N - N
7 7 2	SVEIN
1+ 0 (miles 1/2) 11	
Wide: 3() /2 1+1	m 1
V 0 1 0 1 1 0 0 1 1 2 0 0 1	12 4 9
3.3.1-3+1 3-3+1 (3-3+2)	7 1
3.3.1-3+1 (3-3+1 (3-3+2) 2 2 2	2/ covito

Lecrander Martins da Sailsa by 3032345 Lister 6 1. T(n)=4T(n/2)+n 3) b- ST(1)=1 2. para = (n/2) (t(n)=4+(n/2)+n 3. T(n/2)=4T(n/4)+n w = 4 (n/4) +2n+ n 42(n/4)+ 3n - 42(n/22)+3n 1(n) = 42(4(n/8)+n)+3n 43(n/8)+ 4n+3n 43(n/8)+ 4n + 43(n/23)+ 4n 4i (n/2i)+(2i-1).n, n/2= 1 + n = 1 + 2 = n + i= 29")+ (29m-1).n 2º lgn + (n-1) · n - 2 lgn = -n n2 + n2 - n -n 2, n2 - n,

8. T(n) EO (n2)

9. base: T(2n2-n)=T(1) -1 2.12-1 +1 2-1= 4 correto indutiso: 4(2n/2 - m/2)+n *(2n2-2n)+n

> 2n2-2n+n 2nº-n/ covido

Jandaia