T	(2)	-	T8	(n-3)	+ 3	+2+4
,	((1	

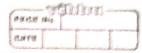
$$T(n) = 2^k T(n-k) + [2^2 + 2^2 + 2^2 + 2^2 + 2^2]$$

$$(20, 0 = 1, 5 = 2, f(m) = 1)$$
 $(= \log_{5} 0 = 0)$
 $n^{c} = f(n) = 1$

		(DATE)
8}	2	
$1) \cdot T(n) = T(n-1) \cdot 1$	1=(1)T	
T(n) = T(n-2)+ 4		
T(m) = T(n-3)+14141		
T(m)= T(m-12)+12(1)		
27-12-1		
カーート		
T(m) = O(m-1) = O(m)		
a). T(n)=T(n-1)+n	1=(1)T	,
$T(n) = T(n-\lambda) + Rn + (n-1)$		A
T(n) = T(n-3) + 8n + (n-1) + (n	-2)	
T(n) = T(n-k) + 8 (n+(n-1) + 1)	+(n-ka))	
$\gamma - k = 1$		
(n-1)=k		
T(n)= + n* (n+1)		
•		
$T(m) = O(m^2)$	A Company of the second	<u> </u>
	e de la companya de l	
3). T(m)=T(m/2)+1	The state of the s	
O (s. pod s)		The second secon
2 2 2 2 2 2 1 2 2 1		
4). T(m)= 2T(m/2)+1	:^	
here, azz b=2 f(n)21		
$(=\log_{0}q=1)$		31
$\Rightarrow O(n)$. The
5). $T(n) = 2T(n-1)+1$		*
T(m) = 4T(m-2)+1+3		
T(n)=87(n-3)+1+2+4		
T(n)= 2 T(n-k)+2 +2 +2 +2 - 2	k= n-1	
$T(n) = 2^{n-1} \times 1 + [2^{n} + 2^{n} + 2^{n}]$		
$\Rightarrow O(s_n)$	and the second second second second second	

	TOP 15
6). T(n)= 37(n-1), T(0)=1	
$T(n) = QT(n-\lambda)$	स्थानको कर प्रकृतिका के प्रत्यक कर कारण कर राष्ट्रकार के स्थान के तो के किया कर स्थान कर कारण कर कारण कर कारण क स्थानको कर कारण
T(n)=737(n-3)	
$T(n)=3^nT(n-k)$	ut salah mengal Sumalan utuk di engi pan basakan salah mengan menandak dalah kepadah pendalah dikendak pendalah pendalah pendalah salah pendalah
	atoria servicio de la compansión de la c
$\Rightarrow \mathcal{O}(3n)$	
$\frac{1}{2} \cdot T(x) = T(\sqrt{x}) + 1 \qquad T(x) = 1$	eng (Spacie) vices - Africa Microsophie (Spacie) (Spacie) vices (S
$T(n) = T(n^{1/4}) + a $	
$T(n) = T(n^{1/8}) + 3$	
$T(x) = T(x)^{kh} + k$	
$\mathcal{N}^{(V_k)_k} = 1$	
1 x log n = @ 1	
3 K	
$\lambda^{h} = \log n$	
k= log_ (logn)	
⇒0 (logal Joga) 0 (
8) T(n)=T(Jn)+n	
T(n) = T(n 4) + n + n 2	
$T(n) = T(n^{1/8}) + n + n^{1/4} + n^{1/4}$	
T(n) = T(n(x)) + n+ n(x) + (x) + - n(x) x-1	
	$= n \times (J_n - 1)$
m ^Y = 2	(K-I)
a ^k log n	≈ m
R= log(logn)	
) = 1)(m / (leg n))

9).	O(m) times, O(1) space		
		$F = \{F_1, \dots, F_n\}$	14
10).	o -> n a times	CANDA CO	
	1 -> 71-1 times	A-11 40 1,11	
V-	$\lambda \Rightarrow n-3$ " $O(n*(n+1)) \Rightarrow O(n^2)$		
	n > 0 times		
	1 - (x-5x)7	14/8/10-10-10-10-10-10-10-10-10-10-10-10-10-1	<u> </u>
il) ·	is look orum for O(N/2)	Strate Tolland	- (6
	i loop orum for O(n/2)		
			9
	$T(n) = O(n*\log n)$		9
	0 × -11 1 1 + 1 - 1 1 - 1 to 8		
13),	a. I will always be a better choice for large inputs		
13)	O(logn)		
(S)	J(Wan)		
14)	$T(n) = 7T(n a) + 3n^2 + 2$		
J	a=2, f=2, f-(n)=3n2+2	2011 10 10 10	
	$c = \log 7 = 2.81$		
		AND ATOM STORY	<u> </u>
	a, b &c all three option are correct	Makes a lake to a faith	
		A BARRATTON	
15)-	fa)f4)f3)f1	the it could be a second	
	A Company of the Comp		
16).	$\zeta(n) = 2^{n}(2n)^{n}$. 14. 14	n denta
V	= 2^n + 2^n	1. A	
	So oftion ties correct.		
	The state of the s		



	aura			J			
5° T (m) = 27 (m) T = (f)							
			and the second				-
$O(m^2\lambda)$							-
18) int ged (intriuntm)?							-
18) int ged (int n, intm)? ult(n% m == 0) ereturn m;							
it (n m) swap (n,m);				فلمان فتحلس فيعمان			_
3(o(m) states				2			
$n = n^{\circ}/\alpha m$;							
Surp(n, m);							
Surf(n, m); 3 octorn n;							
3							
$\Rightarrow \theta(\log n)$							_
							- 1
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					MARK TO THE TOTAL PROPERTY OF THE PARTY OF T		
							2
						3° 1 1	