	Harshit Dhimou.
	Tutorial tree 2 DATE
Cola) = 0,1,3, c,10,15,21,n.
	let the sum of above k term is Sk.
neer op kentilen van de kente de gewenne gewond gewond van de gewond van de gewond van de gewond van de gewond De stat de gewond van de g	SK = 1+3+6+10++ TR ()
Color-train destruction and accommodate approximation	SKH = 1+3+6+10++ TKH -0
	Subtract @ from ()
e Periodici de la companio de la co	TR = SK-SKY = 142+3+4+K
	Inte have TR= n 11. 1+2+3+4++K= n
	K(K+1) = n -3 K2+K-2n = e
	2
	> C = -1± \[Bn+1 \]
	taking only the value we get total us. of
name (mag and sales) and sales (mag and sale	tating only the value we get total us, of times the loop runs for i= KH = 18n-1
	2,
	$TC, \mp (n) = o(\sqrt{n})$ = $o(\sqrt{n})$
Solme	T(n) = T(n-1) + T(n-2) + c
	$\frac{T(n-1) \simeq T(n-2)}{2}$
The second secon	T(n) = 2T(n-2) + c T(n-2) = 2 + (2T(n-2-2) + c) + c
	= 4T (m-2) + 3c
	T(n-4)= 2x (4T (n-2)+3c)+c
	= 8T(n-3) + 7C
and the second control of the second control	Centralizing
	= 2KT(n-K) + (2K-1)c
The state of the s	
ent record to	있는 사람이 없는 모든 것을 받았다는 것이 없는 것은 것이 되었다는 것은 것은 것이 되었다. 선생님은 전환 경우

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	put n-k=0
1	n=k.
)	put n-k
3	
Maria de la companya	T(n) = 2n + T(0) + (2n-1)c
on the second	= 2h x 1 + 2hc-c
X	= 2m(1+c)-c
1	= 2°
A STATE OF THE STATE OF	Time Complexity = O(27)
#	Space Complexity is proportional to the max.
)	depth of Jecusion tree.
	House space Complexity of fibonacci recorsion
	1° 0 CM).
>	
5013	- 1. n(logs)
Page Charles	for (le1, ic=n; itt)
THE WARRY OF	for (i=j: /2n; j=j+2)d
	Sum = Sun+j;
Visit Edition	y
Service	g
	$9. n^3$
,	for Leeo; 12n; utt)
Table 18 Commence	for (jeo; j(n; j++)2
	for (Kso ; K <n; k++)x.<="" td=""></n;>
	Jun = sun +1c;
	y
	y
	y
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	
,	

17. T.	
	Date
3.	log plagn)
	for (i'=1; i'=n; i'=i+2) <.
	for (K=1) K <= n; K= K+2) X
	Sum = cum +1)
	y
	y
- an	
Som(4)	$- T(m) = T(m) + T(m) + Cn^{2}$
	$\frac{1}{4} = \frac{T(x)}{2}$
	$\Rightarrow) T(m) = 2T(m) + cn^{2}$
	And the state of t
	As a>1 and b>1
	Using master's method
	t(n) = at(n) + f(n)
	C= loga
	C = log 2 = 1
	ten) > mc
	1. T(n) = o(f(n))
	$=0(m^2)$
	part to the second of the seco
Sold	ent fun (int)
	for fint
3	
in the second se	for sel, j'is 1,2,3,4 sem for noting
	for i=2, j is 1,3,5 upto 1/2 thing for i=3, j is 1,4,7 upto 1/3 thing
	for 1=3/J 15 1/4/t =
	T(n) = n + n + n + n +

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PAGE supplemental and the second seco
= > (1+1+1+1+)
The state of the s
= n da/a.
= [logx]?
> Time complexity - orleger.
Calad
for first elevation l=2
Second " LEQK)K - 2K2 third " LE(2K)K - 2K2
nth iteration i= 2× lopeud at 21=n.
apply loggn = logg kil
Kt = loops.
i= loge (logn)
3
20mt
99 to 1 en quel sort
colure parot is where from front or easy:
50, T(m) = T/99n \+ T/n'/ \+ O(m)
2 (100)
T(m) = +/99m/++/m/+ o(m)
(مما) (مما)

	Date
	PAGE
	T(m)
	$T\left(\frac{99n}{100}\right)$ $T\left(\frac{n}{100}\right)$
	(100)
	T/(99)2 Nm/T/995/2 T/995/ T/1n/
	$ \begin{array}{c c} (100)^2 & 100 \\ \hline (100)^2 & 100 \end{array} $
100	
	n= (99/ K
	(150)
	logn = Klog 79/100
	1
	K = logn 100
	TC = n* legg 100 (n)
Som 8	(a) 100 < log log(m) < log2n < logn <
	logn/ < n < nlogn < n2 < 2x < 4n
	(a) 100 < log log(m) < log2n < logn < logn/ < n < nlogn < n² < 2² < 4n 2 2² (2²n) < n
	(b) 12 log (log (m)) < Togn < log (m) < 2 log (n) < log ((2n) < n < 2n < 4n < logn < n log (n) < 2 (2^m)
	$<2\log(n)<\log(2n)< n<2m<$
	4n < lyn/ < n(of (n) < 2(2/n).
<u>i</u> e [*]	