	3 May 2020 Date: RF-1
Recursive Augetions	
A(n) ? Noteinant  if(Q) Noteinant	- Assume time T(n)
if(Q) No co	- Some const. time
return (A(n/2) (+A(n/2))	
	ome const. time
$S_0$ , $T(n) = C + 2 + (n/2)$	Kecussive June.
A(n) { T(r	$1 + T(\infty - 1)$
if (n>1) = c 0+ 1	
return (A(n-1))	
3	ρW
Back Sulstitution	
	-0
	D 1 (D)
and the second s	- 3 Contract
	1 cost Har
Sysstitute (1) in (1)	(Sa)
T(n) = 1 + 1 + T(n-2) = 9	2+T(n-2) (T)
Sylstitute (3) in (9)	
T(n) = 2 + 1 + T(n-3) = 3 + T(n-3)	
K+T(n-k) Stop condition: n=1	
(n-1) + + (n(n-1))	
= (N-1)+T(1) = N-1+1 = N	
	Λ
0 (n)	

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3 Mar 2020 Date: RF-2
Ex: T(n) = n+T(n-1); n71
        = 1 ; n=1-
T(n) = n + T(n-1)
                        -
        = (n-1) + T(n-2)
                       = (N-L) + T(N-3)
                       -3
 Syls. @ 14 0
T(n) = n + (n-1) + T(n-2)
Suls. 3 in (9)
T(n) = n + (n-1) + (n-2) + T(n-3)
T(n) = n+(n-1)+(n-2)+(n-3)+--+(n-k)+T(n+(k+1))
Base condition n-(k+1)=1
           k = n-g 2
T(n) = n+ (n-1)+(n-2)+---+(n-(n-2))+((n-(n-2+1)))
     = n+(n-1)+(n-2)+--+2+1
               O(n2)
fad(int n)  (n) (n-1) (n-1) (n-1) (n-1) (n-1)
if (n=0)
retyrn nxfact(n-1)
```

