Adrilya Thaplyso F - 40

3=1 i=1 red makerel

Foo Cil = 1+2+ 3+ -- "

m comed so Have T(0)= JA

Reconsence relation for function that parts promoted revier.

f(n) = f(n-1) + f(n-2) f(n) f(n) f(n-2) f(n-3) f(n-3) f(n-3) f(n-3) f(n-3) f(n-3)

For every tordion and we get a firstion adds for news S XXXX --- n 6mon

T(n)=2h

TERI EACH Call has spea complexity of stack: no of all = h · ; (c)=0(4) Max space : Considering occusions

without ansidering occurring stack TCn) = 0 (1)

n(1994), 12, 409 (4692) waite programs with complexy.

T(n) = 0(n 1gn) { for (int j= 1) j<=n ; j *= 2) for (int i=6; i<n: ++i) Sum += 1; 2) n3 too (int i=0 ; i<n; ++!)

foo (int j=0; j<n; ++j;)

for (int X=0; K<n; ++f;)

getest = sum+1; 3

(3) Log(Logn)
tos (inti= 1; i<=n; i*=n)

tt was &

FIFT

FFFFF

4) SONE.
T(h)= T(nk)

2-102 + 17 17 402 = CS2 2-102 + 17 117 12 = (5) 202 C

TON = CH+ (5) nt + (5/12+ - + (5/169-10) T(n)= Cn2 [1+(5)+(5)2+-+(5)49"] -161/2 (4x +x (1-(5/18) 3)" -+(5/18)"] maxlerd= 1 = K=192n

764 = CAY 1/ × (1-6) tss)

E.C.

of write a new tree set relation when quick set speedly divider assury into two pays. 1 7 TOU (TCM) + TCM2) 1 - TCU)+60) 10 N 8 X X X 1+1+1-1+1+1 TCn1=0(1/2 1095) - MARTIN 70 = 0 (02) 2 TON = 1 1 18 th 1 - 15 - 15 1 1975 - 18 = 7290-19 TG1 = a(n. 19) Lo west height=2 heights 1 - 10 of my 7. & 1.1. perive time complexity in this case. 2 cm : Tapelocal + Coultert (m) 7-4= HP Incor scoolt. m = 169, -692" K "= 10924 3= Court time ZAM KED ahat's the tim comparity of for () Tal = Tan-1) +0(1) 25365 SKM 30

ニハズ

シャーリカトラオ

atonly 1 - loyeign < Trogh < ligh < ligh < ligh < ligh < light > logh < miles 22n < m < 10xn!) < 12 < ni, <27 (4)

293 n < 109.2n < 5n < ndg(10) < ndg2n < Jog(6) <88 < 3n3 cn; < 835 60