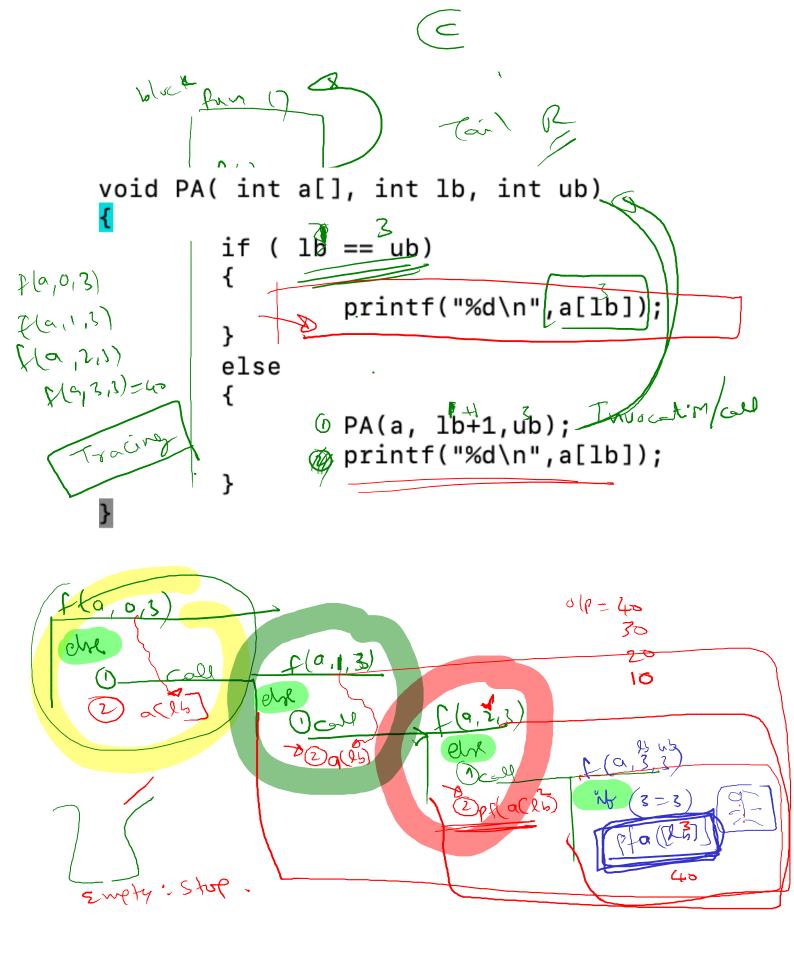
Kecumion a function to print array elements recursively O Rec should have termination of Anchor Repeated Step & Inductive CRecurence Step & Inductive Seed Call TAL9,0,3) pala,1,3 pala, 213) on (a 3,3) Pa(a, lb, ub) of pr(aseu) (lb==ub) Anchor property of thereis tuductive pa(a, lb+), ub)



array elements in Yeld . Daring Toil Pac, · SH\_ (s) p fta,0,3) 01p=40 F(0.1,3) a & & b (a, 2,3) الىي Panc 016600 coray

matiplication 2x3 2+2+2 p((c) 0 + }(a, p-1), mul -> repeated by

[DIV] -> repeated Subtraction 6/2 = 3 7/2= 3

\*

Nested Thei AckermanhSfunction A(xin) A(xin) A(xin)tibovacci soviel. fib(n) ( ) = 1 fib(n-1) + fib(n-2) h > 1 Howmany cells for fis(8) Hownen 7 for Fb 7 1/2 Calls calls = 2 x f (N+1) -1 CM (\$15) = 2 x f (5+1)-1 = 2 × f(b)-1 = 2(8) - 1 = 16 - 1 = 15 f(n) = f(n-2) f(n-1) + f(n-2) f(n+1) - 1 f(n) = f(n+1) - 1

enco (8/2)

enco (8/2)

enco (8/2)

enco (21,2)

enco (21

ecd(m,n) = decd(m, m % n)erco(a, b) = of erco(b, a%b) Recursively Towers of Hanvi CAME  $\frac{1}{1} = 1$  M = 2

