O Alternative Sol to
1 to n. Il initialize K=1
Void for (int n, int x)
\$ 0 (w)
16 (u==0)
neturn Soo-pln(k)
- fun (n-1, k41) i
3
int fact (int n, int k) (1) (3,1) (2, 43
int fact (int 11, 11)
if (n==0 n==1)
eneturn k. 6 = 4
neturn fact (n-1, korn).
L day
Tail Recorsion faster by modern day
Compilers - /
Gan I

factorial a ishere 120 n=4 Int for (int n) if n==0

Int return n a fun(n-1) rutorn 1; 24 / (3 ton(3))
24 / (3 ton(2))
24 / (2 ton(1))
2 ton(1)
2 ton(1) These neturn no fibracci rember 120. v int fib (int n) it (n==0) A n==1

neturn 0;

neturn 0; neturn Abla-1 + tib (n-2) =

Som of 1st n natural no 1/ s Ord int fun(int n) if (n==0) neturn 0; neturn n+ fun(n-1) > 3+ An(2) (3+2+1) (1+fm(o) 11 initially Start =0; Sid = 1-1; boolean (Palindrome (String str, int Start int 3nd) if Start >= Ind meturn true;

neturn (str. char At (start) == str. charAt/Ed)) \$12, Palindrome (str, Stat +1, Ed-1); Rel "acbegy). "atla" 七"的" pal (cbe Recursion only if PE, last & 11 Short circuit/ their Equals . opposite of a sixth int Sum (inta) Slom (253) + 3 7 = (25) 25/10 8m (25) + 25/10 Sur(20)+24. drl-four Call All for bold short space. (gunge)