The preof is by the method of strong mathematical induction on n.
a le line A muchos
bose case: n=0. Keeper the function returns of inside the let Fibonacci no. is 0. correct since the 0th Fibonacci no. is 0. n=1. The function returns 1 in line 6, which is correct since the let Fibonacci n=1. The function returns 1 in line 6, which is correct since the let Fibonacci n=1. The function returns 1 in line 6, which is correctly
n=1. The function received
number is 1. number is 1. For all nork, neN, recursive with Fibonacci (h) correctly induction hypothesis: For all nork, neN, recursive with Fibonacci (h) correctly
induction (gloriese of
computes the nth Fibonacci number. The function evaluates the aftelse
I he he he he he have manney the
Il V in line 7. In line 8, recupality (1)-2= K-1).
Induction Step: Let, no recursive_rath Fibonacci (HT)= recursive_block in line 7. In line 8, recursive_rath Fibonacci (LK+1)-2= K-1). Fibonacci (LK+1)-1)+ recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction hap, both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction hap, both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction hap, both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction hap, both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction hap, both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction hap, both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction happy both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction happy both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction happy both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction happy both recursive_rath Fibonacci (K) and recursive_rath Fibonacci By induction happy both recursive_rath Fibonacci (K) and recu
Filoriacci () and recurrent
By induction hat, both recommended
(X-1) is computed correctly. Since the rate of
recursive nth Fibonacci (ATT) of another hand Fibonacci number L
the correct recurrence function call for the
By induction hap, both recursive_rath Fiberacci (19 and (19 an
int iterative room with index in
C := T(i-1)
return f-i Tritialization Before the 1st Heration
interest to the
is line a and fito I in line 1.
10 11 11 11 11 11 11 11 11 11 11 11 11 1
return fi i for (int i= 2; i <= n; i+t) [Initially, inder t is a little of the first interest of the second field in the first interest interest in the first interest in the
- 그는
f f X=f-i+fi) We know these are True and we have
respectively initialized to the course
f f-j=f-K; to O. : Loop invariant holds.
return f=K;