int f(int n) if (n>=5) return n; n=n+ij veturn f(n);

ind movins 50=415/3hoz = 5 S(canshitalis) fraisc 7>5 80 retura.

Here i'dosen't change.

void foo (int n, int sum) int K=0,5=0; 81, e, e 8 0) 1 if (n == 0) return; K = in 10; -> jets (ast digit j = n/10; -> remove the Last digit from Sum = sum +K) - Add lost digit to sum. foo(j, sym); -> Recursively call foo with the reduced rumber. int main () int a=2048, sum=0; (int n) foo(a,sum); tic inti=1 printf(90/0d/nysum); (G=<12) of: 2,0,4,8,0. icust un

gustion-3: What is return value of f (P,P) if the value of p is initialised to 5 before the call ? Note the first parameter & passed by reference, wheaver the second parameter, is passed by value & mirafford ids int(int &x, int c) (KW) A Co unt (1) ligg: C=C-1; (1565,6) thring if (c==0) return 1; メニャナリン return f(a,c) xx; (Irium bion count (1); Puestion - 4: 5122 623 4 9 4 (int fur (int n) int x=1, K; if (n==1) return x; for (K=1; K<n;++K) x = x + fun(K) = fun(n-K);retun x;

stored count (int is) rameter int delinerites that is short - Printfligation; printf("o/.d",d); if (n>1) co unt (n=1); print (60/. 20, 2);

1.

Solutions: too (2048,0) print at idurning time X=8 j=204 sum=8 foo(204,8) K=4 j=20 sum=12 for(20,12) 4 X=0 J=2 =12 / (2) K= 2 192 (0,14) 2 (1) (1) (1) (1) DP: 2048 0 - sen in fuction x=x+1 f(n,3) \* x C=2 x=x+1 f(x,2) x x - 2 x 9 = 9 2 (1) + x+1) + 9 (x,1) a x (1) + x+1) + 9 (x,1) a x (1) + x+1) + 9 (x,1) a x

12 =

-fum (5) x = x+fun(1) + fun(4) + fun(2) fun(3) + (3, 1 Jun (3) A of cm (2) 1/2 10 fut(4) 4 fun(1) takes long time and any soperate strains on it is in poper ford(2-112) for (2)= x+ fin(1) x fun (2-1) fun (3) = 2+ fun (1) x fun (3-1) withthem smith of Etving + frm (2) + fm (3-22) (1,10) + = 1+142+2+17 x = (6,1)7 1+16.x fm (4)=1+f1)+f(3)+f(2)+f(2)+f(3)+f(1) = 1+1+5+2+2+5+7°=15 Ju(5) = 1+1+15+2+5+42+15+1 1415+10+18+15 51

before print statement then 1-rus - 5 first fuction has to execute X734 and proving should be done git returning C(3) the. ((2) 2 dH C(1) & output: 3,1,2,2,1,3,4,4,4.