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BAITCIOSO
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ADA Lab Test
14/6/21
16 655 BCADA
    1) Write a recursive function
    a) to find GCD
     # include < stalib. h>
     Hindred < Statio. h>
                            ١)
      int gcd (anh a, int
      int main ()
       int a 15;
      print ( " Enter two integers ");
       scarf (" 1d 1d", da, 46);
       Frist ("GCD of 1da 1d in 1d", 1, 5, gcd (a-6))
       return 0;
     int ged (inta, int b)
          11(61=0)
          Pretun gcd (b, alab);
          Use
         - Hom a;
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pregram to find town of here is b) oniginal using namine function. b) Hindule <stdib.h> Himeline (otdio. h) 'You'll havoi (int n, clor x, chary, char 2): to had 10", 6x, 6y); if (n==1) P print &" More disk I from rod the come conting: return; hand (n-1 /k /2/)); rod old to rod old "kn, kx, ky);
party (n more dish ild how rod old to rod old "kn, kx, ky);
cod (nore dish ild how rod old to rod old "kn, kx, ky); 1 havil in-1, 2, 4, 70); 3 paid main () { Int n; prof (" Todo nutsu of clides "; Stay ("Y.d", kn): Hanoi (n; "a;" "b") Count manber of a Edin of in the programi b) medified former of Lawsi problem. Hinduh < stalls.h> #include < stellinh> vaid basis (int n, Jan, May, change - back from rod " (Chand);

haroil int n, charm, change, Dan z, int coul) print "From "); cout << "More diale" << n << "hom and " << x << "to rod #(()); hand (n-1/2, y, 22) boid handi (int n, then n, then y, then z) f in count; f paint (" Nove disk it from not that to redthe skiply) y out of remaine all for " to unt); position place disk to have had ded to red to the key "

position proceeding the form and the form to be red to be r court = hanoi (h-1, Z, y, u,); print ("The count of Precupation which to !! d", count); 3 yehan conti void main () int n, b) pront ("Fater number of disks"; samp (" 1.d", km); h= hanoi (h, "a, "c", b) 100; Prof ("The number of recount colle are 1d", kh);