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1 Write a recursive Program to @ solve tower of Havoi Problem @ to find cred Modification: To count the number of recursive alls in solving towers of Hanoi Problem.

@ solve tower of Havoi Problem: # include astdio.b> void towers (int, char, char, char); int mains) Printf ("Enter the No: of disks:"); scanf (" %4", &num); Printf ("the seavence of moves involved in the tower of Hanoi are: (n"); towers (num, '3', '+', 'D'); return o; void towers (int num, char erc, char temp, chardest) of Grum==D

Printf Culm Move disk! from disk %c to disk %c, src, dest); z return;

towers (num-1°, src, dest, temp); Printf("In Move disk % of from disk % of to disk % of to disk of c?; towers (num), temp, src, dest); num, src, dest);

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B To find OrcD:-
   #include estdio.b>
     int recursive (inta, int b)
       if (b==0)
       return a;
        int P= 4b;
        int q=a-P+b;
        return recursive (b, v);
      int maine
      Print f (" Enter the two Positive numbers: 'w");
       Printe ("God of 2 numbers is: % dhi, reconsine (2,6),
       returned, return 0;
     Modification: To count the number of recursive calls in
                      solving the tower of hanoi Problem.
       void towers (int num, char orc, char temp, chardest)
      2 if (num = = ) {
        Printf ("In Move disk I from disk % c to disk % c", src, dest);
         Printf ("ynthe number of recursive calls are: 1");
        a return; 3
         towers (num-1, darc, tedest, temp);
        Printf ("In Move disk % of from disk % c to disk % c, num, src
towers (num-1, see) src, dest);
         Bif Coum >1)
          2 Print + ( " ) the number of recursive calls are: numb);
        3
```