```
i) // towers of Hanoi

# include (stdio.h)

Void towers (int, choe, chor, char);

ind main () {

ind num;

printf (" Enter the humber of dishs:");

Starf (" % d", & num)

printf (" Steps in towers of Manoi are: ");

towers (num, 'A', 'C', 'B');

return 0;

3
```

Mile James John Man Maria James Lake

```
Void towers (int num, char source, char dest, chor aunciliary) {

printy ("In Mone disk I from peg % to peg %", source, dest);

return;
```

```
tomers (num -1, Source, amiliony, dest);
prints ("In more disk % of from peg % to to peg % c", num, source, dest),
tomers (num-1, auxiliary, & dest, sauce);
```

Il modification of towers of hand to court number of recursive call

that towers (int name, that tower, that doesn't don aux)?

That count = 0,

Section

That

Static int count (int n, & char s, char d, char a) {

int count = 0; if (n==0)

reduren !;

Count t = Count(n-1, S, a, d)Count t = Count(n-1, a, d, s)

reform count;

ii) 11 Find GCD # include (stdio, h) and sending Int ged (int n1, int n2) { if (n2 !=0) return gcd (n2, n1 % n2); return 11; int main () } int n1, n2, num; paints (" Enter two positive integers: "); Story ("% d % d", & n1, & n2); print (" GCD of %d and %d", n1, n2, gcd(n1, n2); retuen 0;