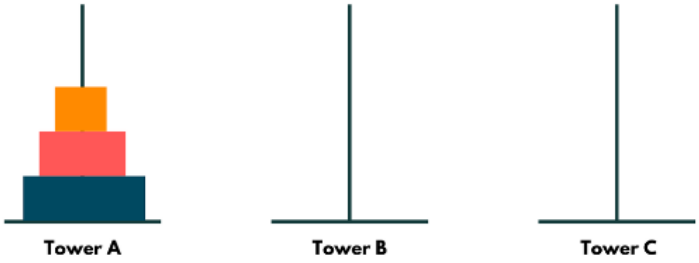
Recursive-Tower Of Hanoi

Description:

We have three pegs (A, B, and C) and n disks

The initial configuration of the disks is as follows:



You have to find the solution with the minimum number of moves to move the entire stack from peg A to peg C using a recursive function by obeying the following simple rules:

(1) Only one disk can be moved at a time.

(2) You can only move the topmost disk from any stack of disks on a peg.

(3) Larger disks cannot be placed on top of smaller disks.

Input: Cin an integer n representing the total number of disks(0<n<20)

Output: Cout the process of all disk moves and total move count

Example: (3 disks)

```
3
A to C
A to B
C to B
A to C
B to A
B to C
A to C
total move count: 7
```

Compile & Execute:

Compile:

```
g++ Mid02.cpp -o Mid02
```

Execute:

```
./Mid02
```

OJ:

```
/home/share/demo_OOP112_2 Mid 02
```