Tower of Hanoi

Find the recursive pattern...

1 disk

Move disk 1 from A to B

2 disks

Move disk 1 from A to B }
Move disk 2 from A to C
Move disk 1 from B to C }

Pattern from 1 disk

Pattern from 1 disk

3 disks

Move disk 1 from A to B Move disk 2 from A to C Move disk 1 from B to C Move disk 3 from A to B Move disk 1 from C to A Move disk 2 from C to B Move disk 1 from A to B

Pattern from 2 disks

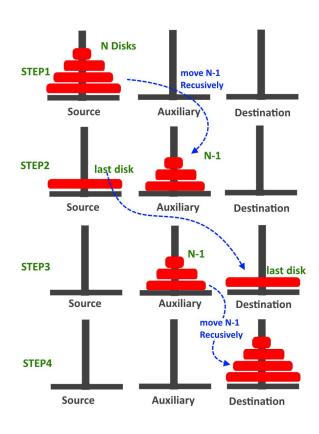
Pattern from 2 disks

4 disks

Move disk 1 from A to B
Move disk 2 from A to C
Move disk 1 from B to C
Move disk 3 from A to B
Move disk 1 from C to A
Move disk 2 from C to B
Move disk 1 from A to B
Move disk 4 from A to C
Move disk 1 from B to C
Move disk 2 from B to A
Move disk 3 from B to C
Move disk 1 from A to B
Move disk 1 from C to A
Move disk 1 from C to A
Move disk 1 from A to B
Move disk 1 from A to C
Move disk 1 from A to C
Move disk 1 from B to C

Pattern from 3 disks

Pattern from 3 disks



```
moveDisk(3, A, B, C)
    moveDisk(2, A, C, B)
       moveDisk(1, A, B, C)
           [Move disk 1 from A to B]
       end
       [Move disk 2 from A to C]
       moveDisk(1, B, C, A)
           [Move disk 1 from B to C]
       end
    end
    [Move disk 3 from A to B]
    moveDisk(2, C, B, A)
       moveDisk(1, C, A, B)
           [Move disk 1 from C to A]
       end
       [Move disk 2 from C to B]
       moveDisk(1, A, B, C)
           [Move disk 1 from A to B]
       end
    end
end
```