Example of Recursion: Fibonacci, Factorial, Merge sort, Quick sort, Binary search, Tree Traversals and many Tree Problems: InOrder, PreOrde, PostOrder, Graph Traversals:DFS and BFS, Dynamic Programming, Divide and Conquer, Towers of Hanoi, Backtracking Algorithms

**Tower of Hanoi**

* Move the top n-1 disks from Source to Auxiliary tower.
* Move the nth disk from Source to Destination tower,
* Move the n-1 disks from Auxiliary tower to Destination tower.
* Transferring the top n-1 disks from Source to Auxiliary tower can again be thought of as a fresh problem and can be solved in the same manner.