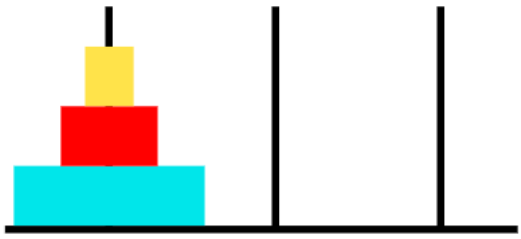
Tower of Hanoi

Tower of Hanoi is a mathematical puzzle where we have three rods and **n** disks, where **n** could be an input from the user. The objective of the puzzle is to move the entire stack to another rod, obeying the following simple rules:

1. Only one disk can be moved at a time.
2. Each move consists of taking the upper disk from one of the stacks and placing it on top of another stack i.e. a disk can only be moved if it is the uppermost disk on a stack.
3. No disk may be placed on top of a smaller disk.



Your solution should allow for the user to input "**n**" so that the number of disks are configurable. Solve this in a programming language that you are most comfortable with. We will walk through your solution and see it in action during your interview.

Think about how you would measure the effectiveness of the solution:

- the number of moves
- time taken
- print out the steps taken for you to follow along