

Tower of Hanoi:

1. Shift 'n-1' disks from from-rod to aux-rod
2. Shift last disk from from-rod to to-rod
3. Shift 'n-1' disks from aux-rod to to-rod

if ($n == 1$):

print("Moved disk 1 from from-rod to to-rod")

else:

① recursion($n-1$, from-rod, aux-rod, to-rod)

② print("Moved disk n from from-rod to to-rod")

③ recursion($n-1$, aux-rod, to-rod, from-rod)

• Factorial

• Exit condition is $n == 1$

long factorial(int n):

if ($n == 1$):

return 1

else:

return $n * \text{factorial}(n-1)$