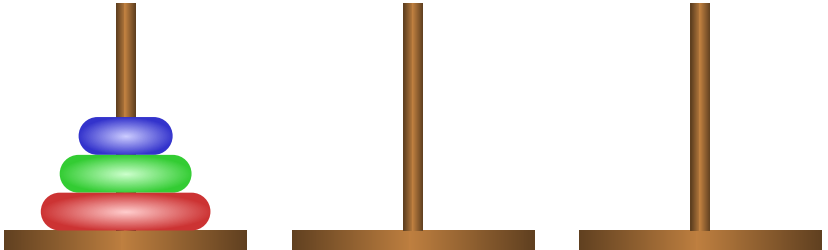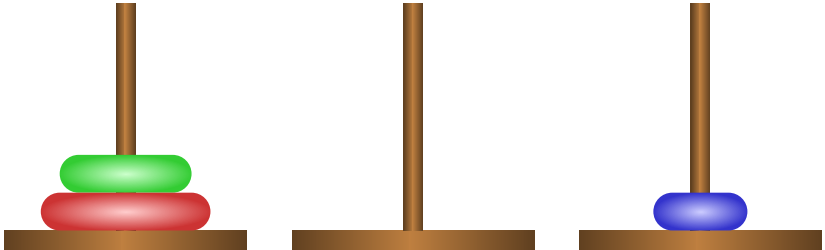# Example: Towers of Hanoi

- There are 3 towers (pegs)
- n disks of decreasing size placed on the first tower
- You need to move all disks from the first tower to the last tower
- Larger disks cannot be placed on top of smaller disks
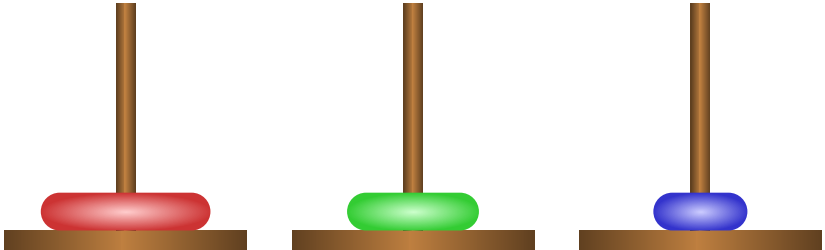- The third tower can be used to temporarily hold disks
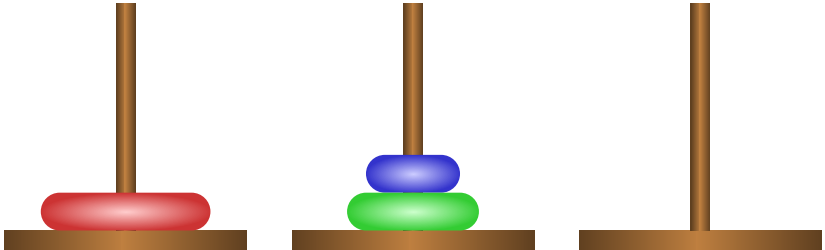
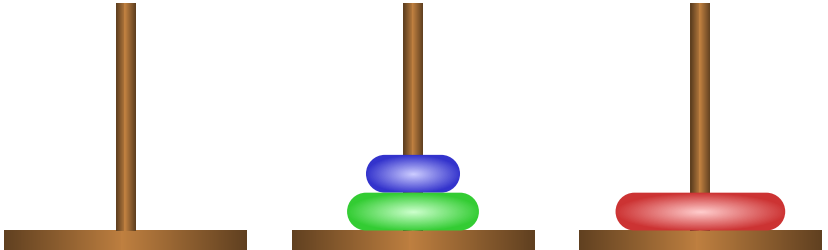# Example: Towers of Hanoi

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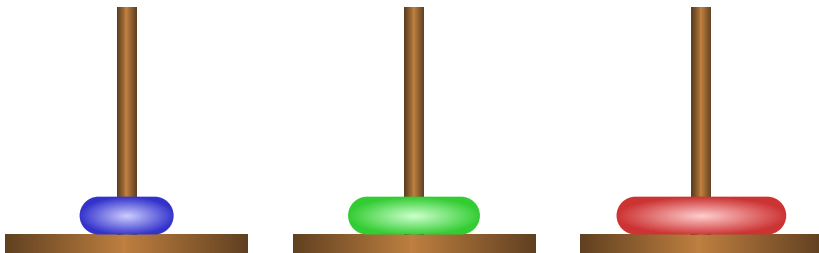
Example: Towers of Hanoi

Example: Towers of Hanoi

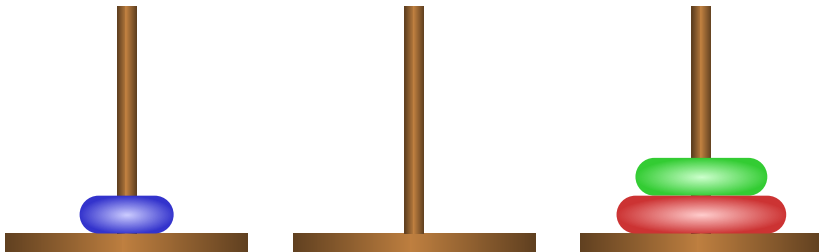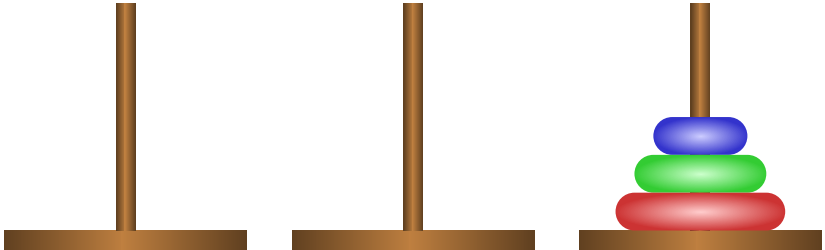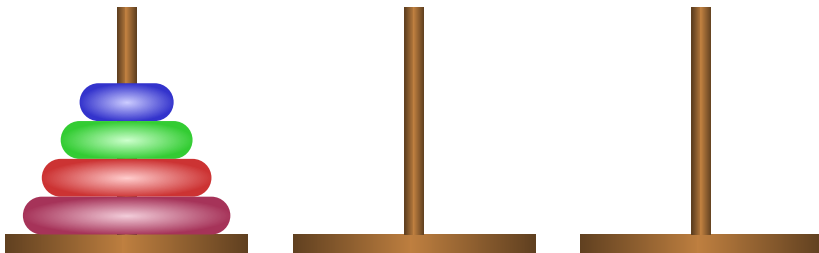# Example: Towers of Hanoi

Example: Towers of Hanoi

Questions

- Describe a general solution for *n* disks
- How many moves does it take?