pd2 hw38 2021-11-16 Ivan Chen

worked with no one; advised by no one

define n as number of disks

define *source*, *spare*, *target* as locations

If n > 0 & all disks on target is false:

If n is 1:

0. Move the top disk from *source* to *target*.
1. Return task complete.

Else:

0. Ask $Monk_{n-1}$ to move the top n-1 disks from *source* to *spare*.
1. Wait for $Monk_{n-1}$ to return task complete.
2. Move the top disk from *source* to *target*.
3. Ask $Monk_{n-1}$ to move the top n-1 disks from *spare* to *target*.
4. Wait for $Monk_{n-1}$ to return task complete.
5. Return task complete.