Discussion 10.4.19

5g & 3g water tank

* Fill 3 gal
* Pour into 5 gal
* Fill 3 gal
* Pour into 5 gal until 5 gal is full (so 1 gal left in 3 gal)
* Empty 5 gal
* Pour 1 gal into 5 gal
* Fill 3 gal
* Pour 3 gal in to 5 gal

Shorter ways possible

allWalls

{

If (

{

Return true;

| else

Return false;

}

while (position != deck)

{

If (

}

Psuedo

* While not at deck
* List of valid moves
  + Generate a number of valid moves
* If the number = 1, move in the valid direction.
* If the number > 1, generate a random number (maybe 0 to 1) and map each proportion to a direction (0-0.24: up, 0.25-0.49: right, 0.50-0.74: down, 0.75-0.99: left)
  + Move in that direction

Bash Commands for Shell

ls (list the content of the directory)

cd (change directory)

mkdir (make directory)

cp (copy file)

mv (moving or renaming file)

man (manual)

rm – remove a file