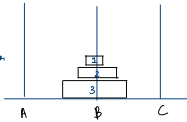


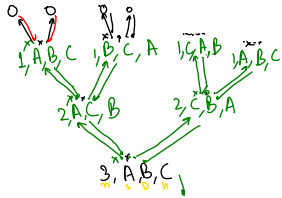
4

```
function toh(n,s,d,h) : void{
    if(n == 0) return;
    toh(n-1,s,h,d);
    console.log("Move disc",n,"from",s,d);
    toh(n-1,h,d,s);
}
toh(4,"A","B","C")
```

- Above \rightarrow Helper
- Move
- Call back, ^{then} \rightarrow Helper



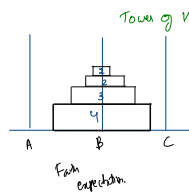
Move 1 from A to B
 Move 2 from A to C
 Move 1 from B to C
 Move 3 from A to B
 Move 1 from C to A
 Move 2 from C to B

$$n=3$$
 $\eta = 4$ 

```

Move disc 1 from A C
Move disc 2 from A B
Move disc 1 from C B
Move disc 3 from A C
Move disc 1 from B A
Move disc 2 from B C
Move disc 1 from A C
Move disc 4 from A B
Move disc 1 from C B
Move disc 2 from C A
Move disc 1 from B A
Move disc 3 from C B
Move disc 1 from A C
Move disc 2 from A C
Move disc 1 from C B

```



Tower of Hanoi (Recursion)

Conditions

→ 1 disc at a time

• bigger disc on top of
smaller is not allowed

Steps
Place disc 1 from A to B
" "

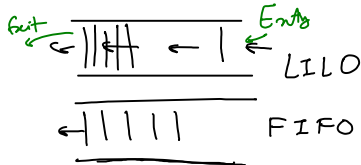
Stack

Queue



2170

FZLO



LILO

FIFO

addCost

add Fish

Remove Last

Remain First

First Queue

L.push \Rightarrow addLast

↳ pop \rightarrow remove jst

↳ front \Rightarrow get + HT
 ↳ back \Rightarrow get + HT

□ 51 k ≡ getsi-u

Stock

↳ push: add final

↳ pop: remaining

↳ top: getAt(0)

↳ size: get size.

