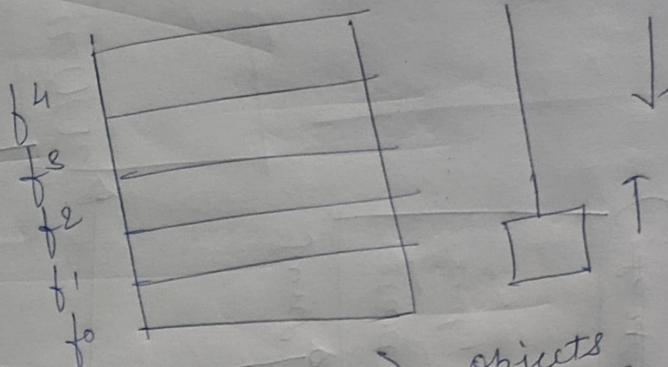


#

Elevator SystemRequest classification

→ how many lifts should we consider

→ n

Lift dispatch Algo

→ odd/even

→ fixed floor

→ min seek time

Objects

Building
floor

external button
elevator car

→ Display

→ Cur flow

→ directions

→ enum

& up

Down

}

→ status

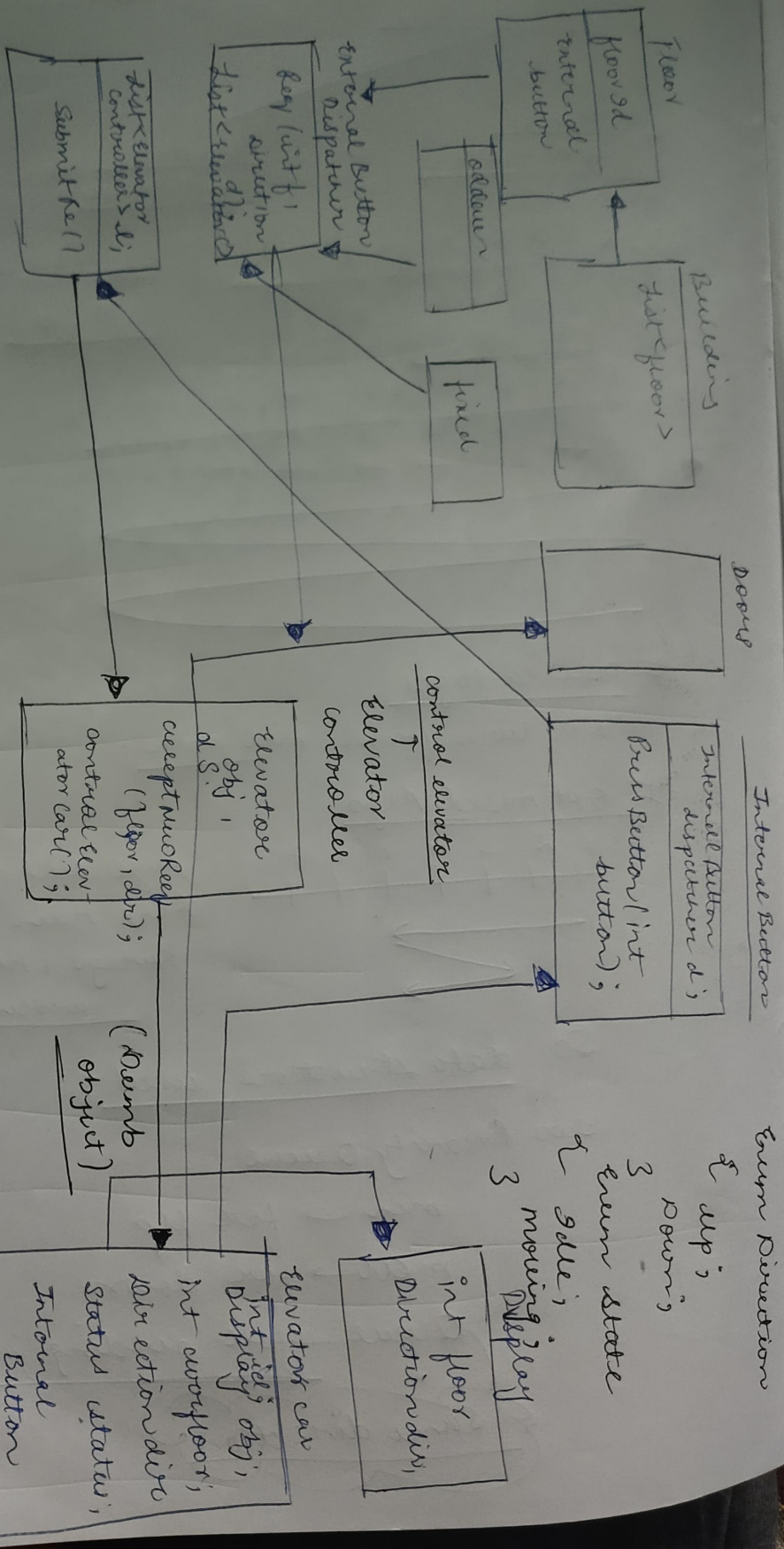
& moving

Idle

}

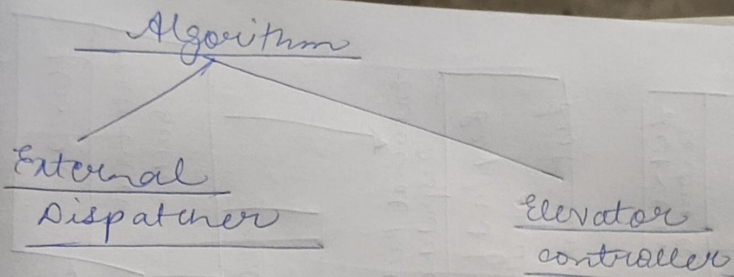
→ Internal Button

→ Doors

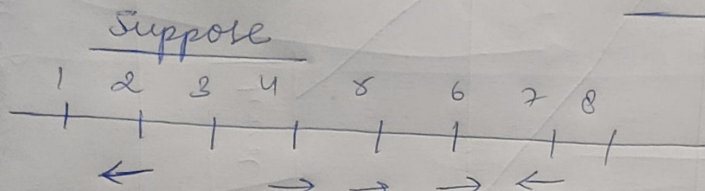


Elevator Direction
 { up;
 down;
 even state
 odd;
 moving display
 3

{ Sing karege, Algorithm
 nhi hold hai.



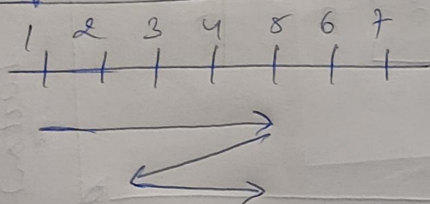
SCAN Algorithm (Elevator Algo)



Disadvantages

No turn from mid path.

Optimised Algo



Aage dekhenge, agar
Req hai to move
karega | nhi to turn
around

So, data structure used -

Two Priority Queue

min → for up

max → for down

Queue for pending jobs

Same direction