Elevator Illustration
Passengers will line up (FIFO)
Each passenger has a destination floor in mind...

I want to go to floor 3
The elevator must be started to service passengers...
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Elevator starts on the first floor
Passengers enter in FIFO order

Make sure passengers don’t exceed weight limit!
Passengers enter in FIFO order

More passengers can be queuing up!
Elevator can move to any floor

Red and black has destination floor 3, blue has destination floor 2

Going to floor 3!
Elevator can move to any floor

Must take certain amount of time between floors...
Elevator can move to any floor

Must take certain amount of time between floors...
Elevator can move to any floor

Must take certain amount of time between floors…
Elevator can move to any floor

Must take certain amount of time between floors...
Elevator can move to any floor

Must take certain amount of time between floors...
Passengers disappear when they exit…
Elevator stop in progress…

Must finish delivering passengers before stopping…

Stop in Progress
Elevator stop in progress...

Must finish delivering passengers before stopping...
Must finish delivering passengers before stopping...
Elevator stop

Full stop