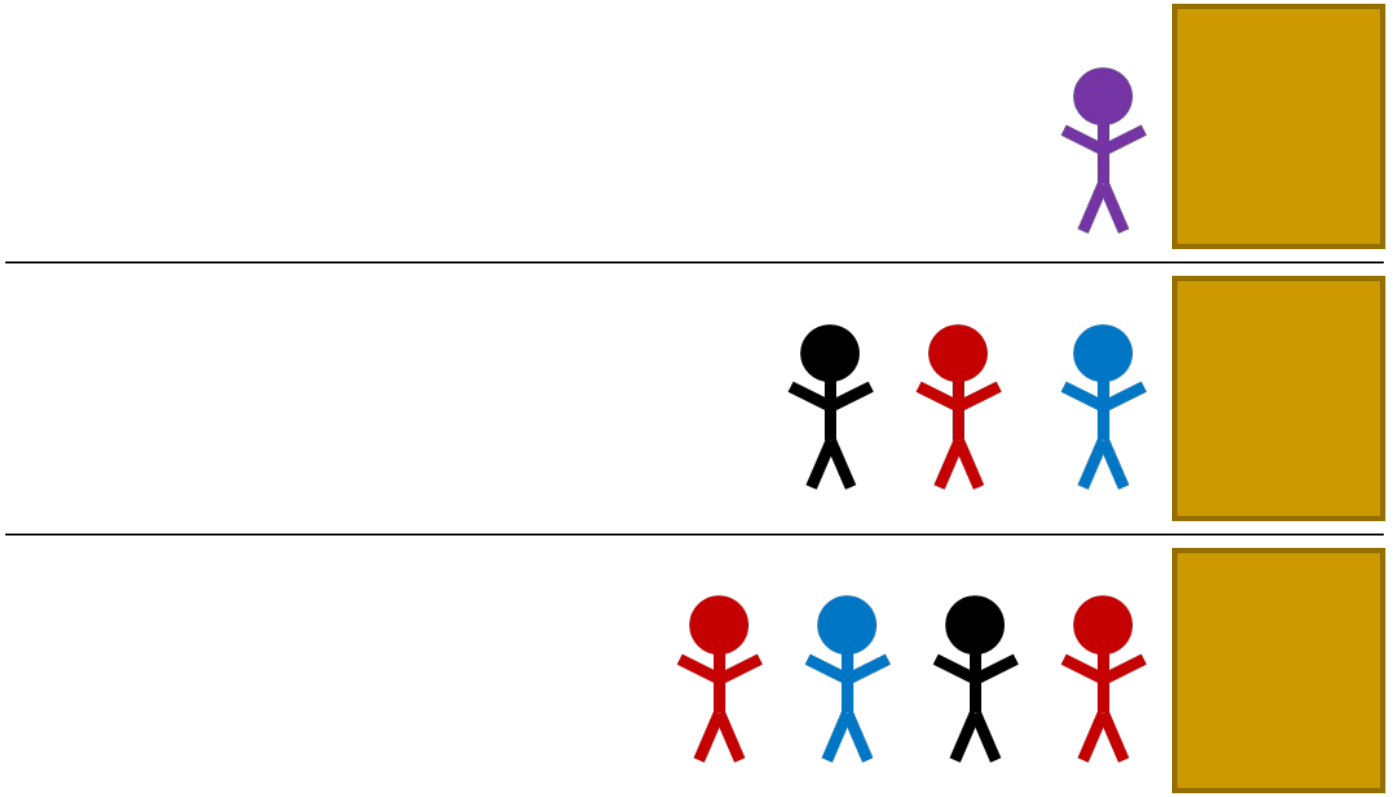
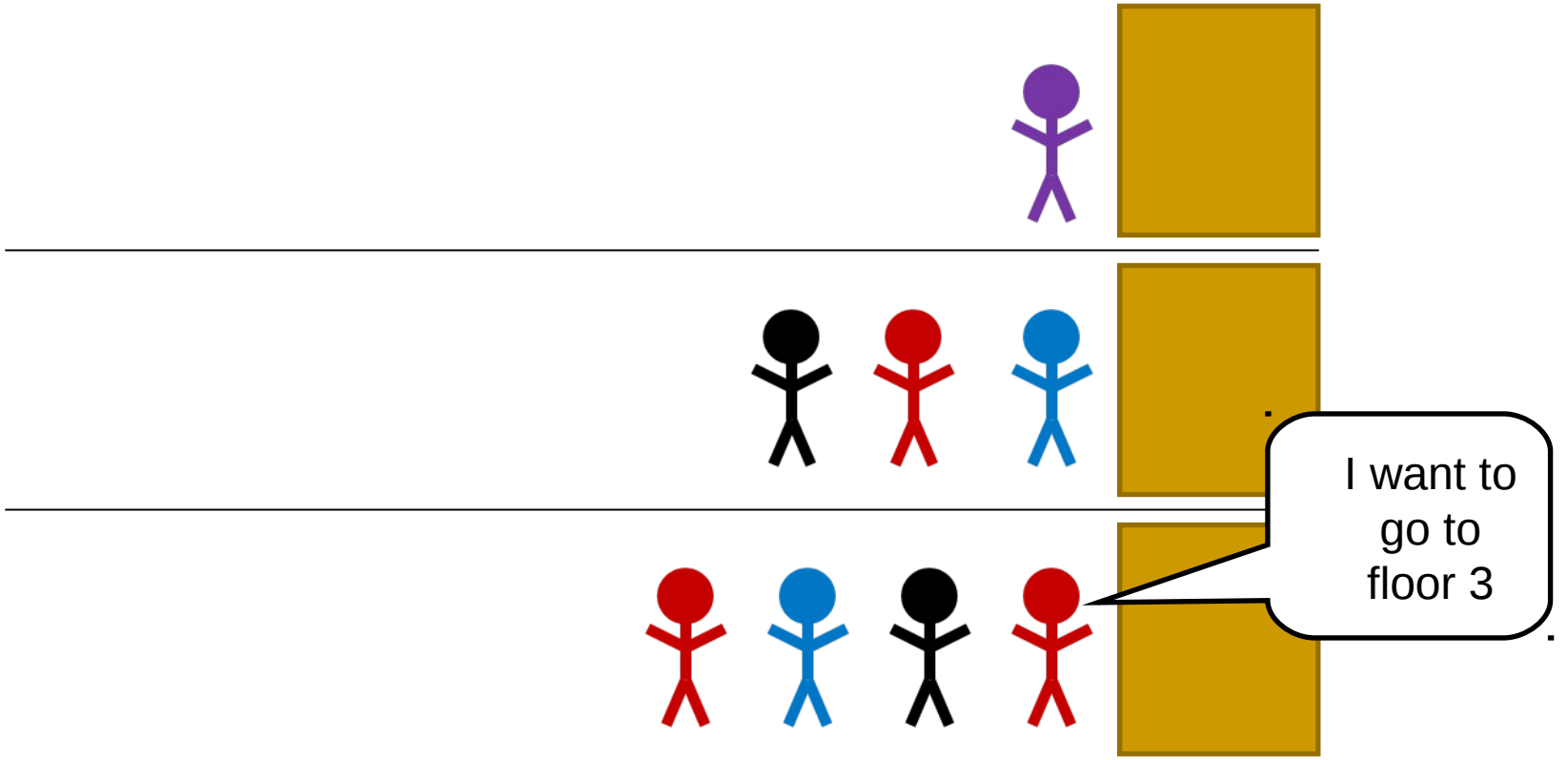
Elevator Illustration

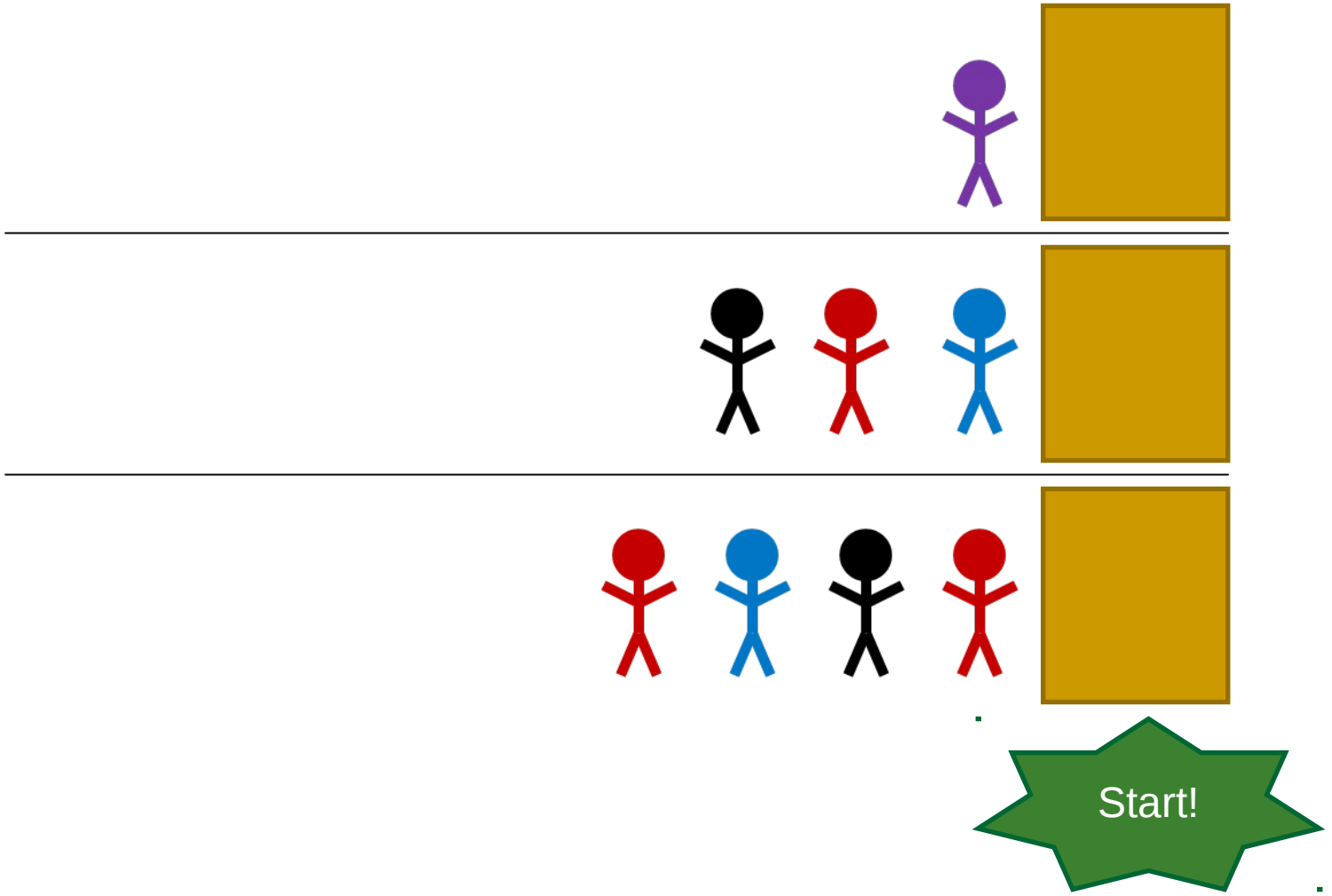
Passengers will line up (FIFO)



Each passenger has a destination floor in mind...



The elevator must be started to service passengers…



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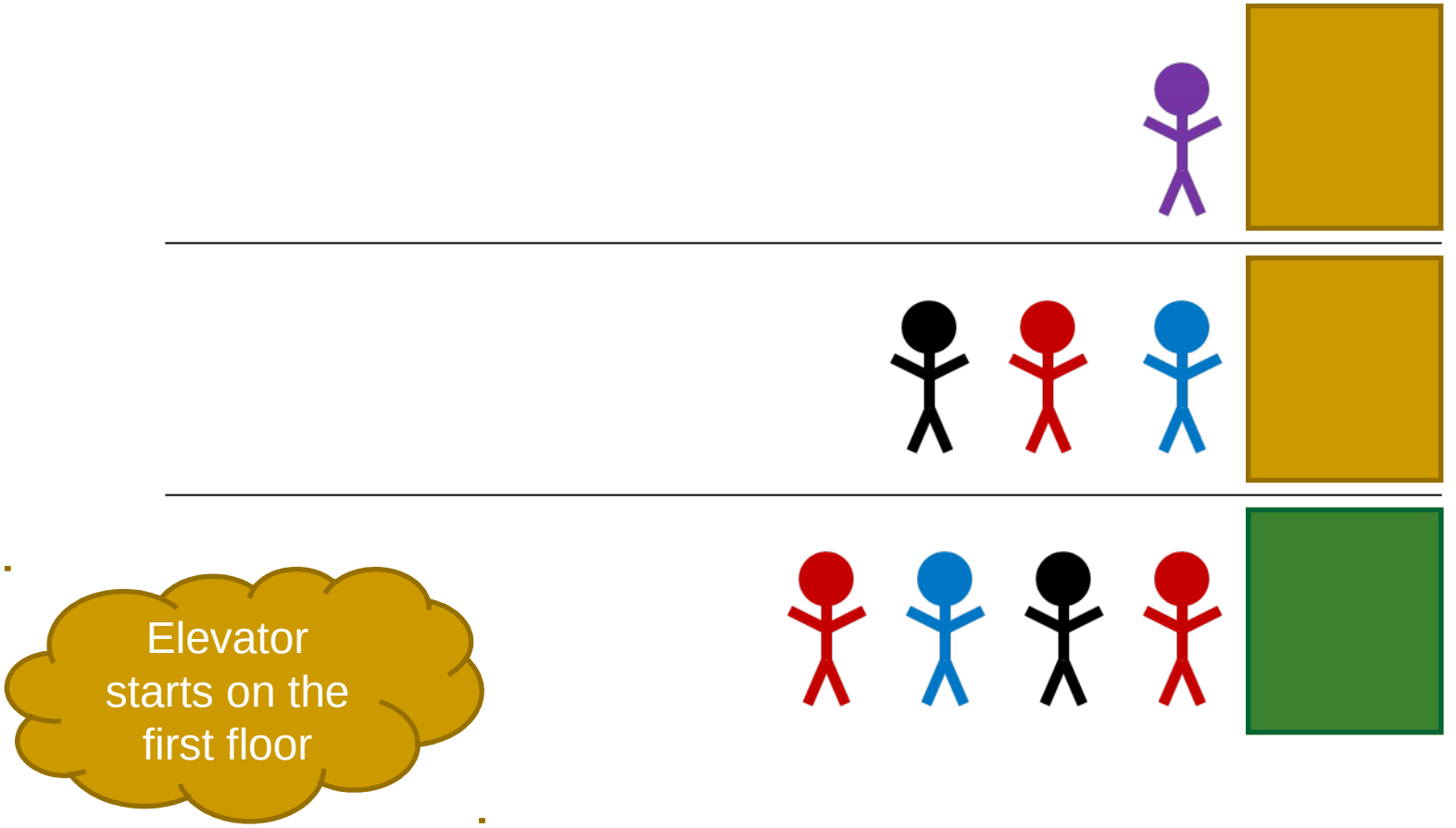
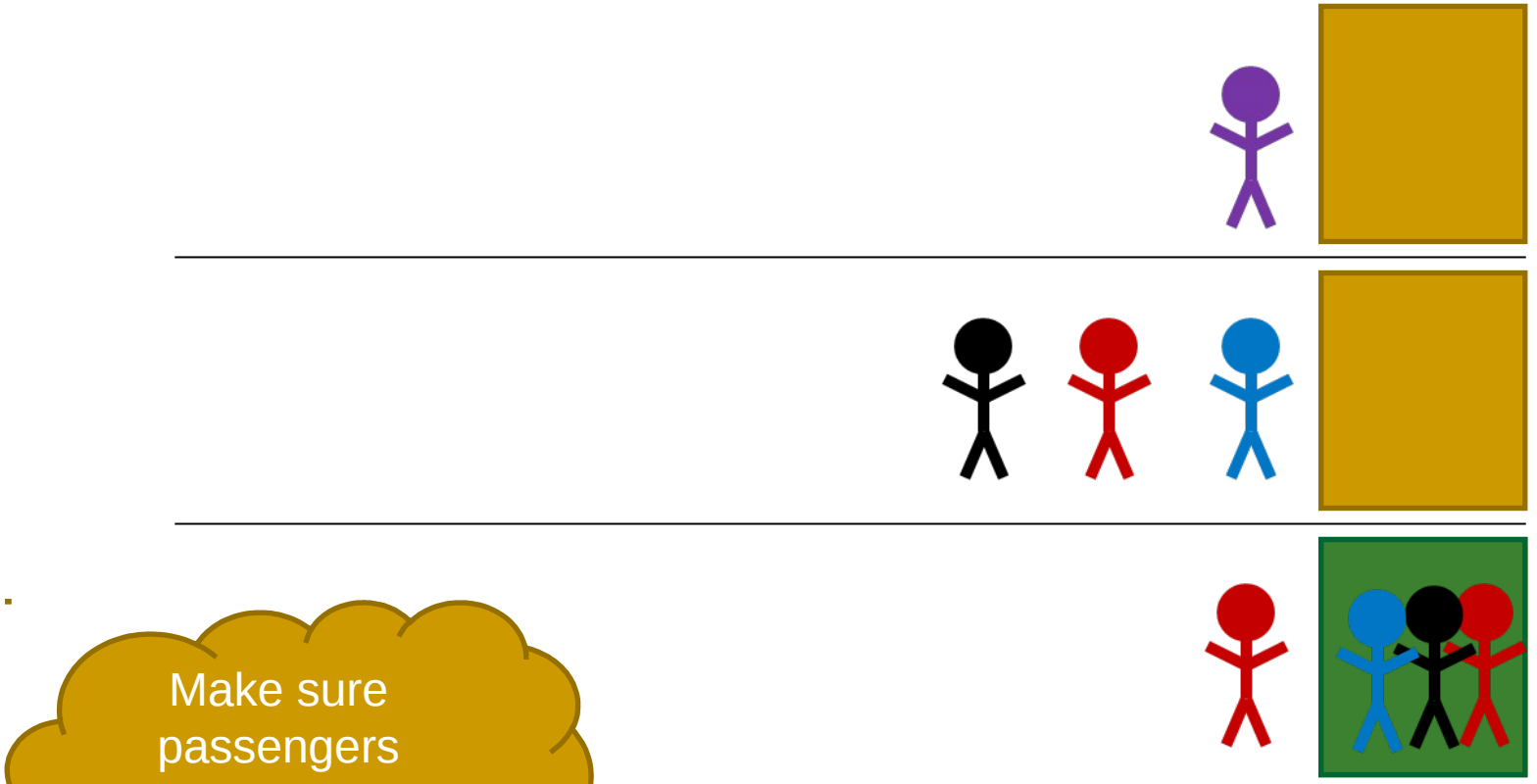
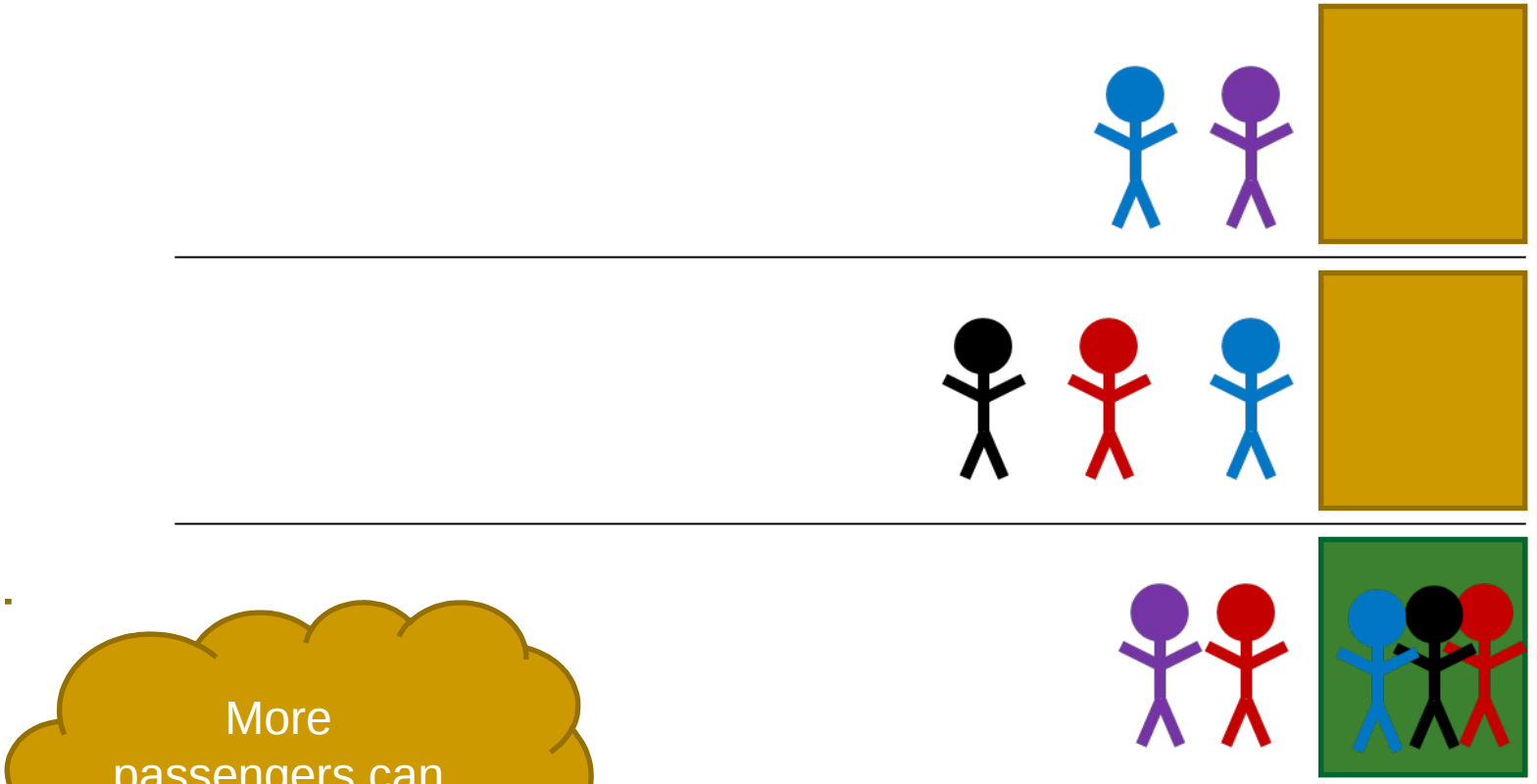


Passengers enter in FIFO order



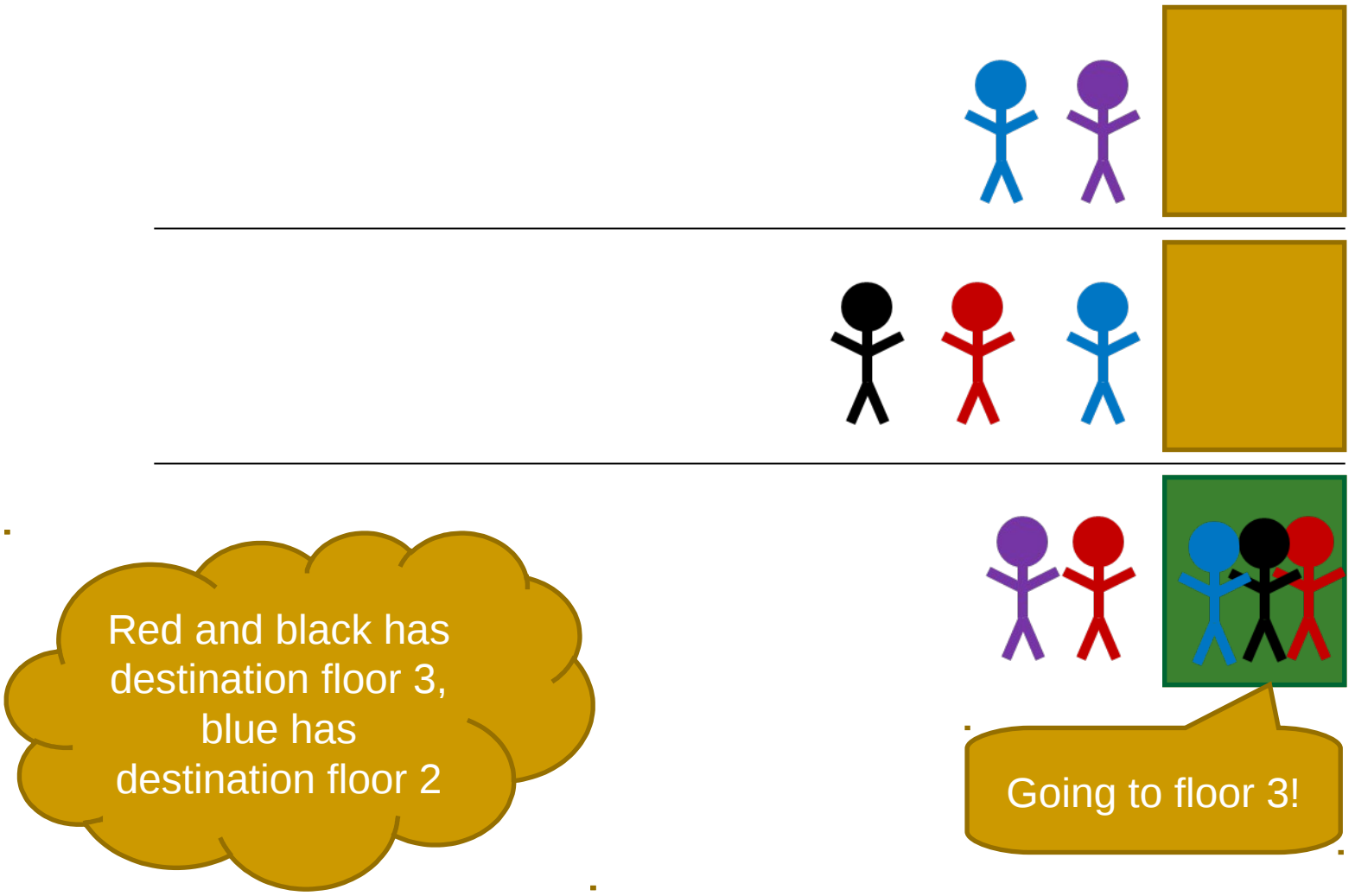
Make sure passengers don’t exceed weight limit!

Passengers enter in FIFO order



More passengers can be queuing up!

Elevator can move to any floor



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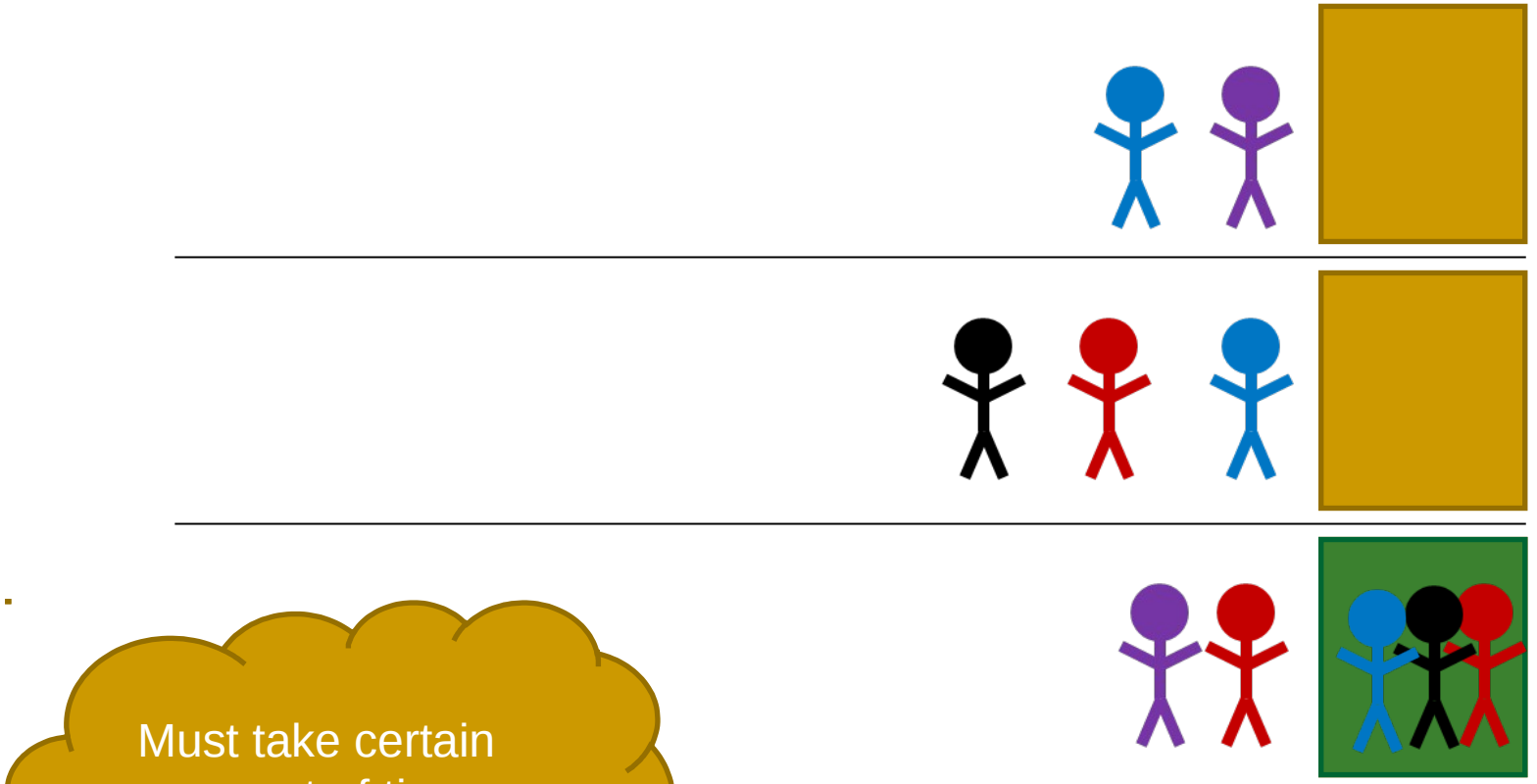
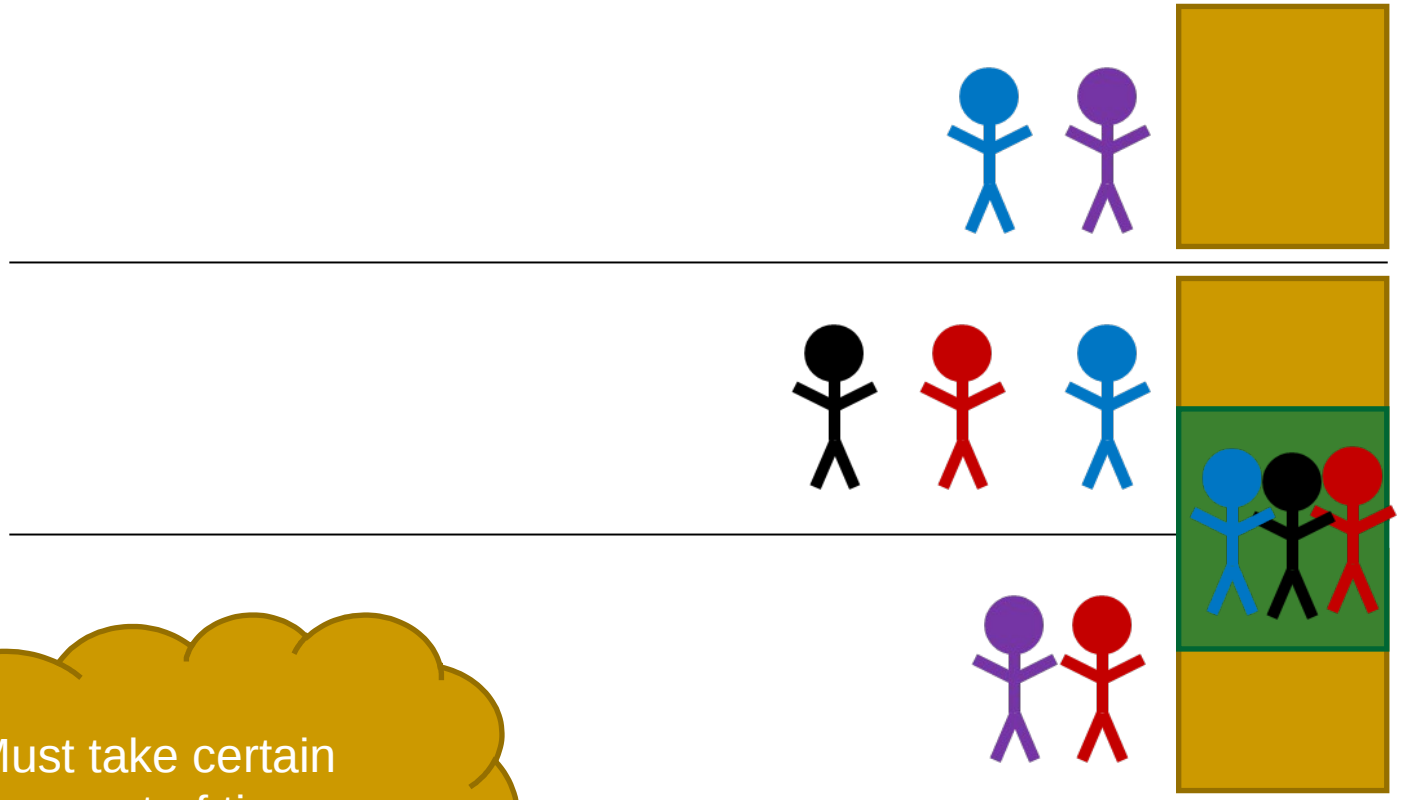


Must take certain amount of time between floors…

Elevator can move to any floor



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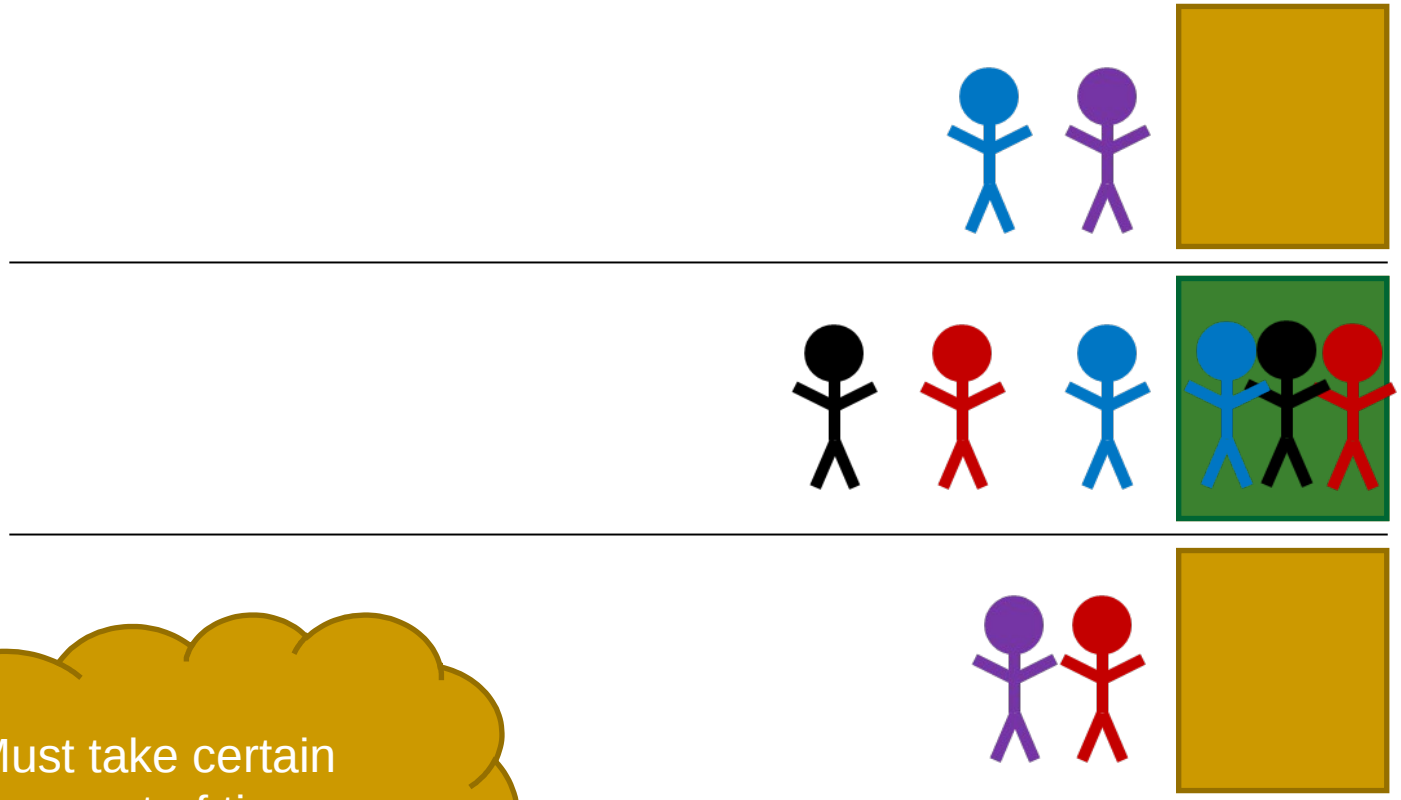

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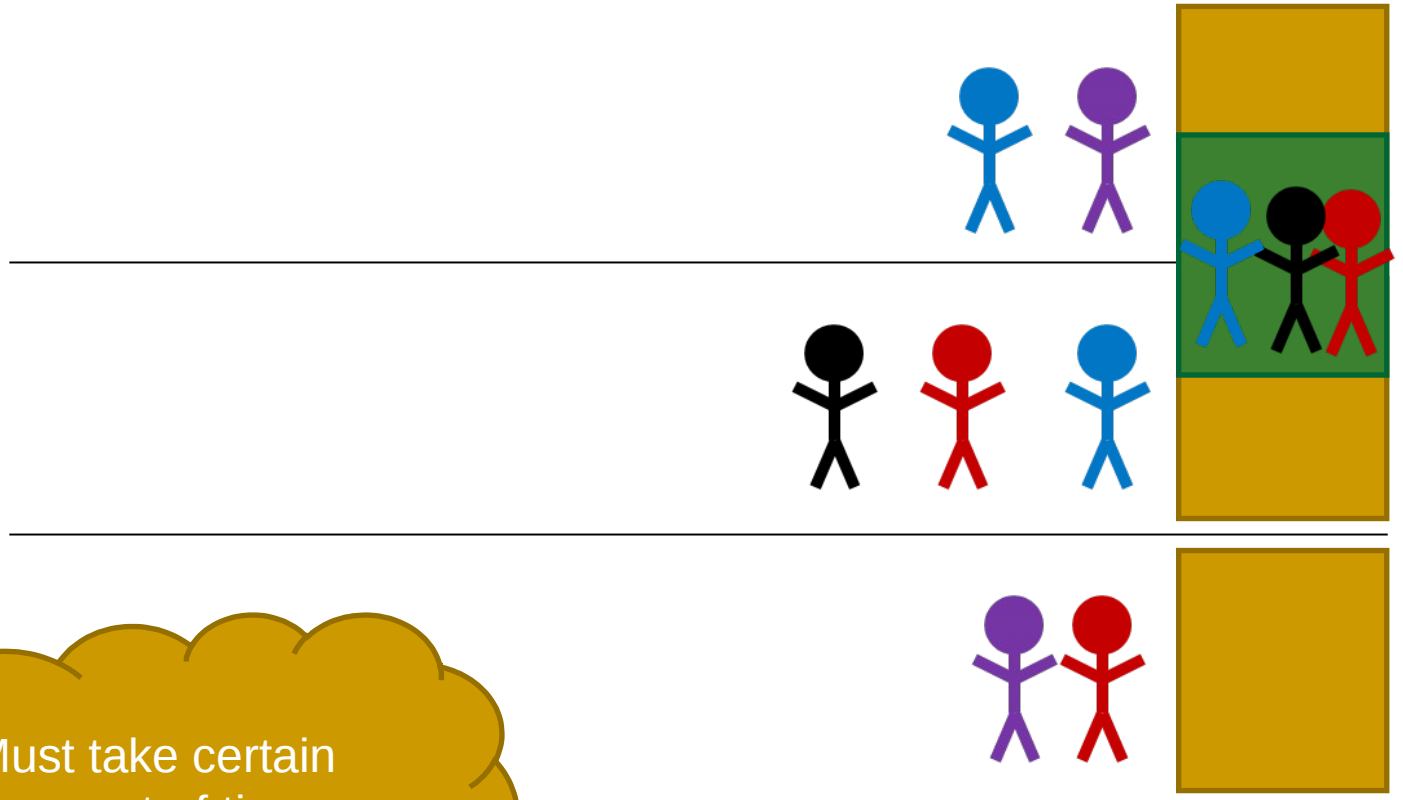

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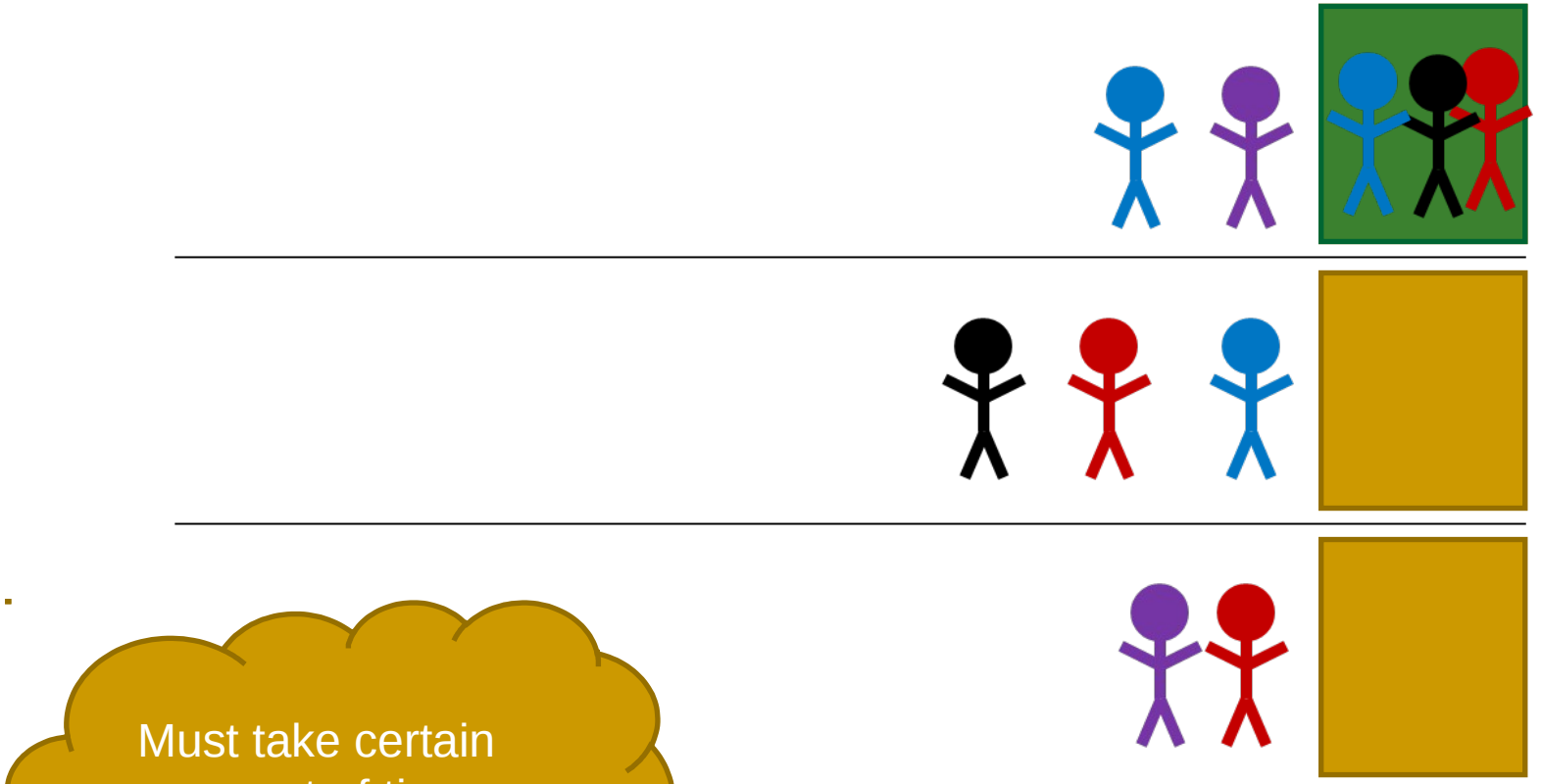
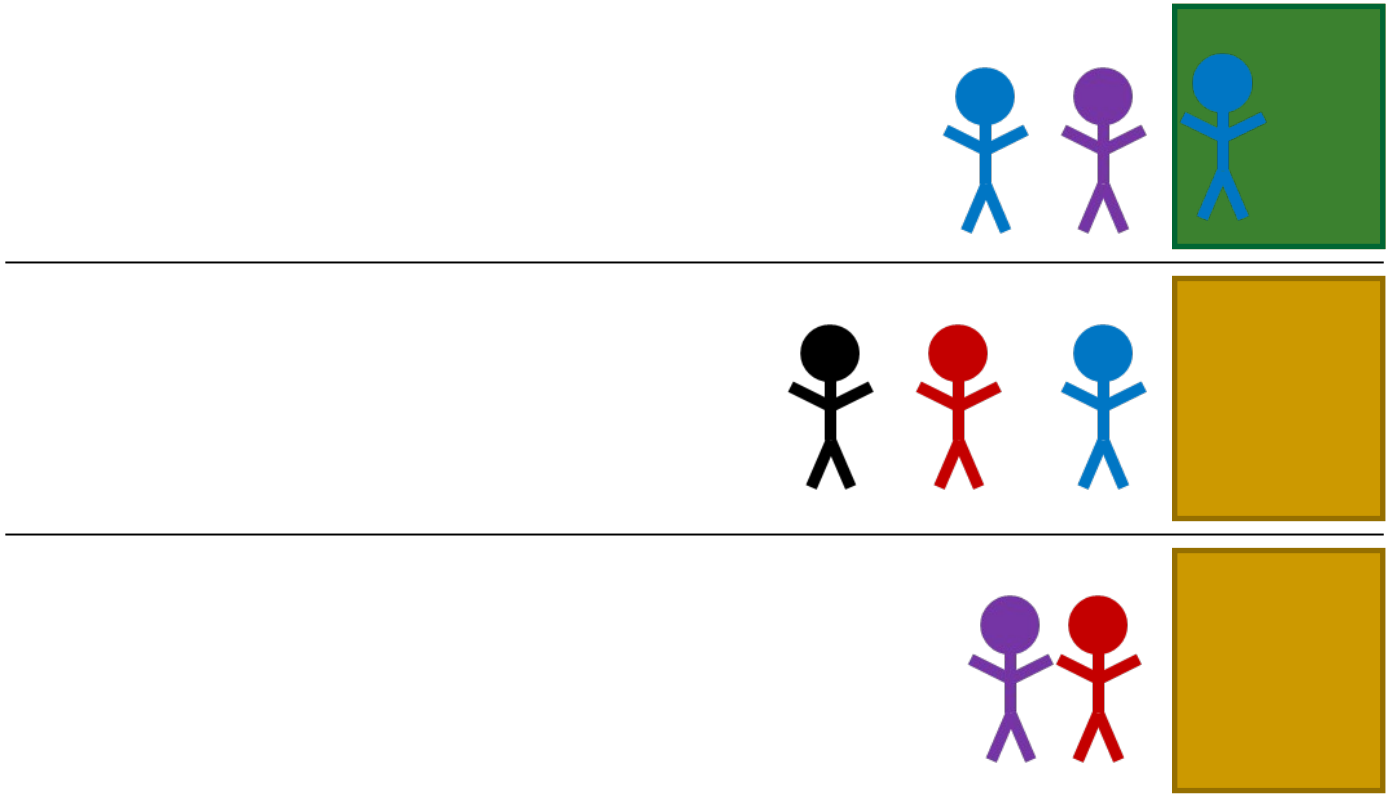
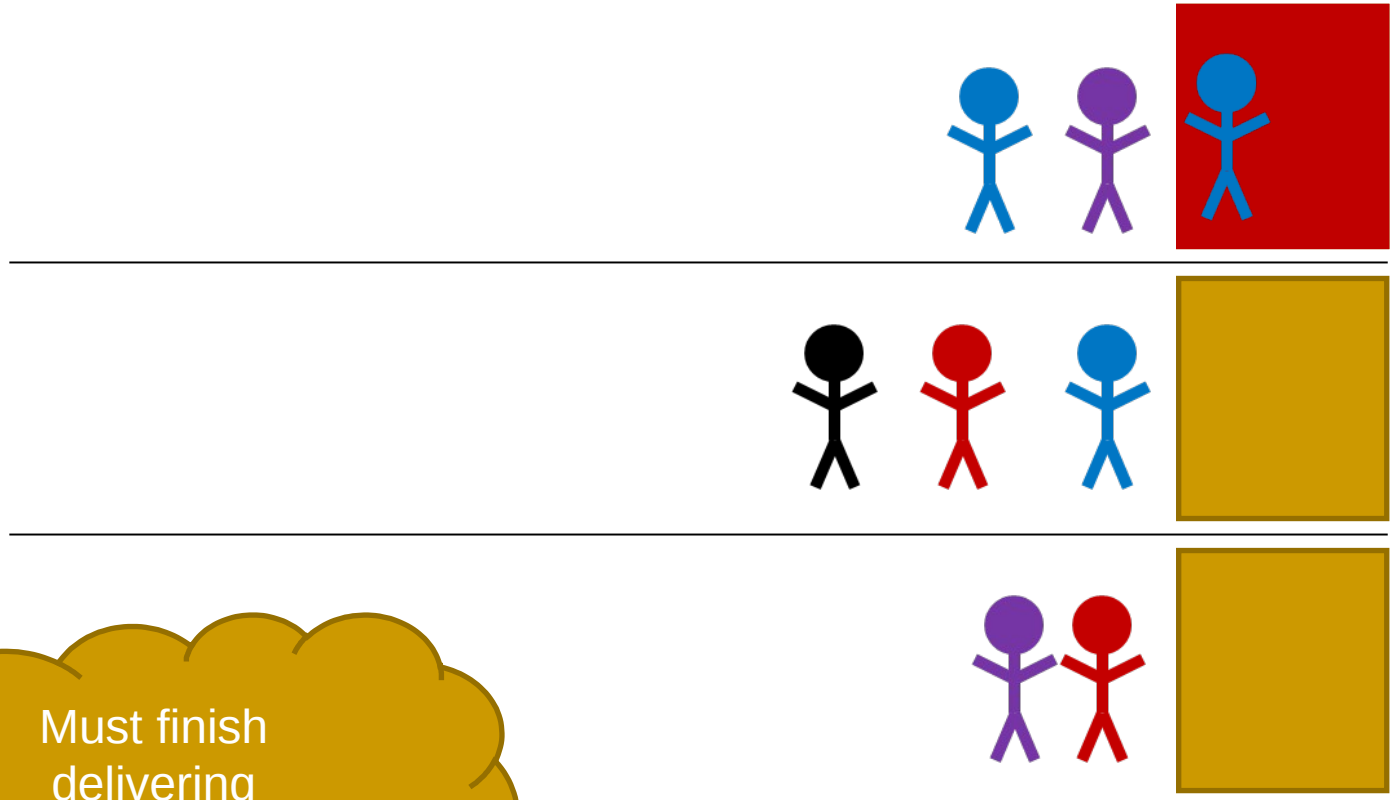


Must take certain amount of time between floors…

Passengers disappear when they exit…



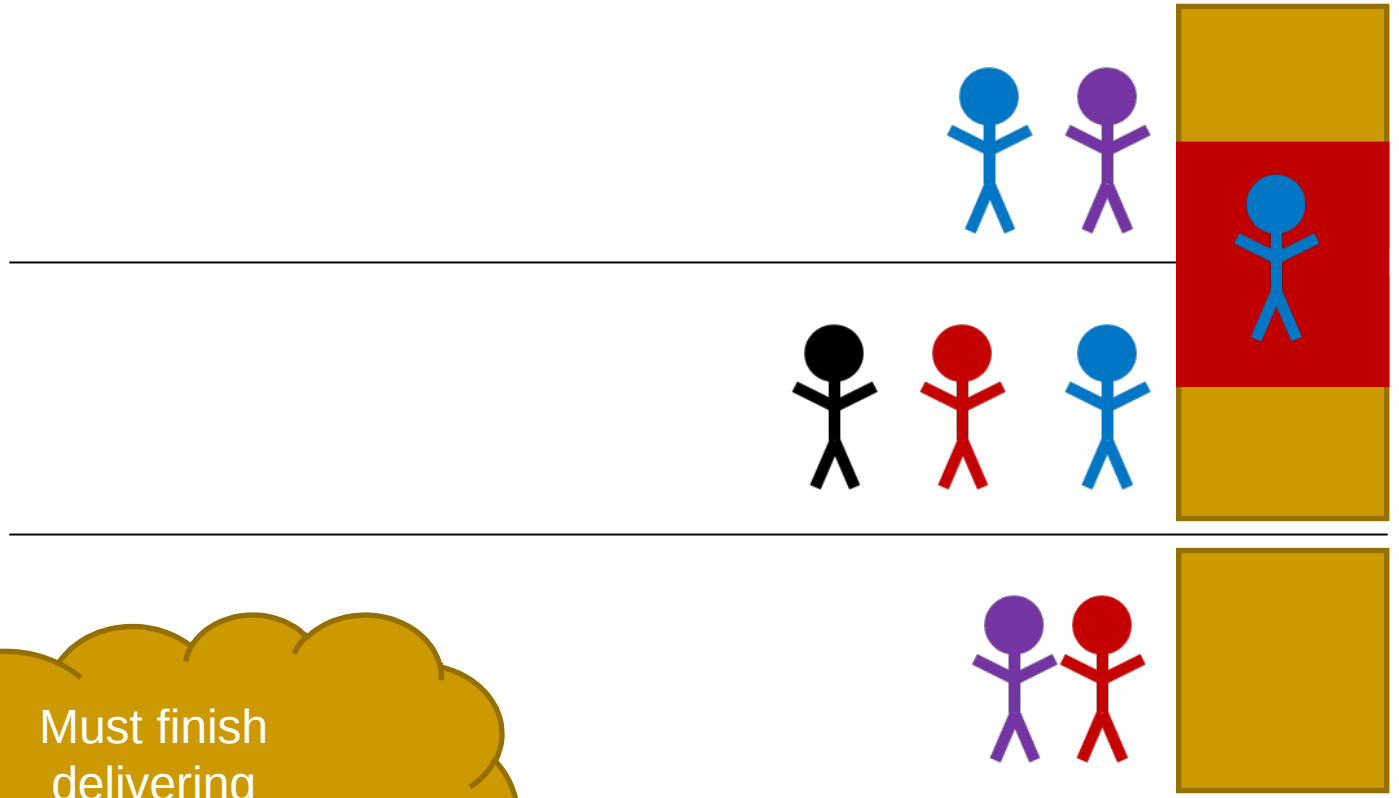
Elevator stop in progress…



Must finish delivering passengers before stopping…

Stop in Progress

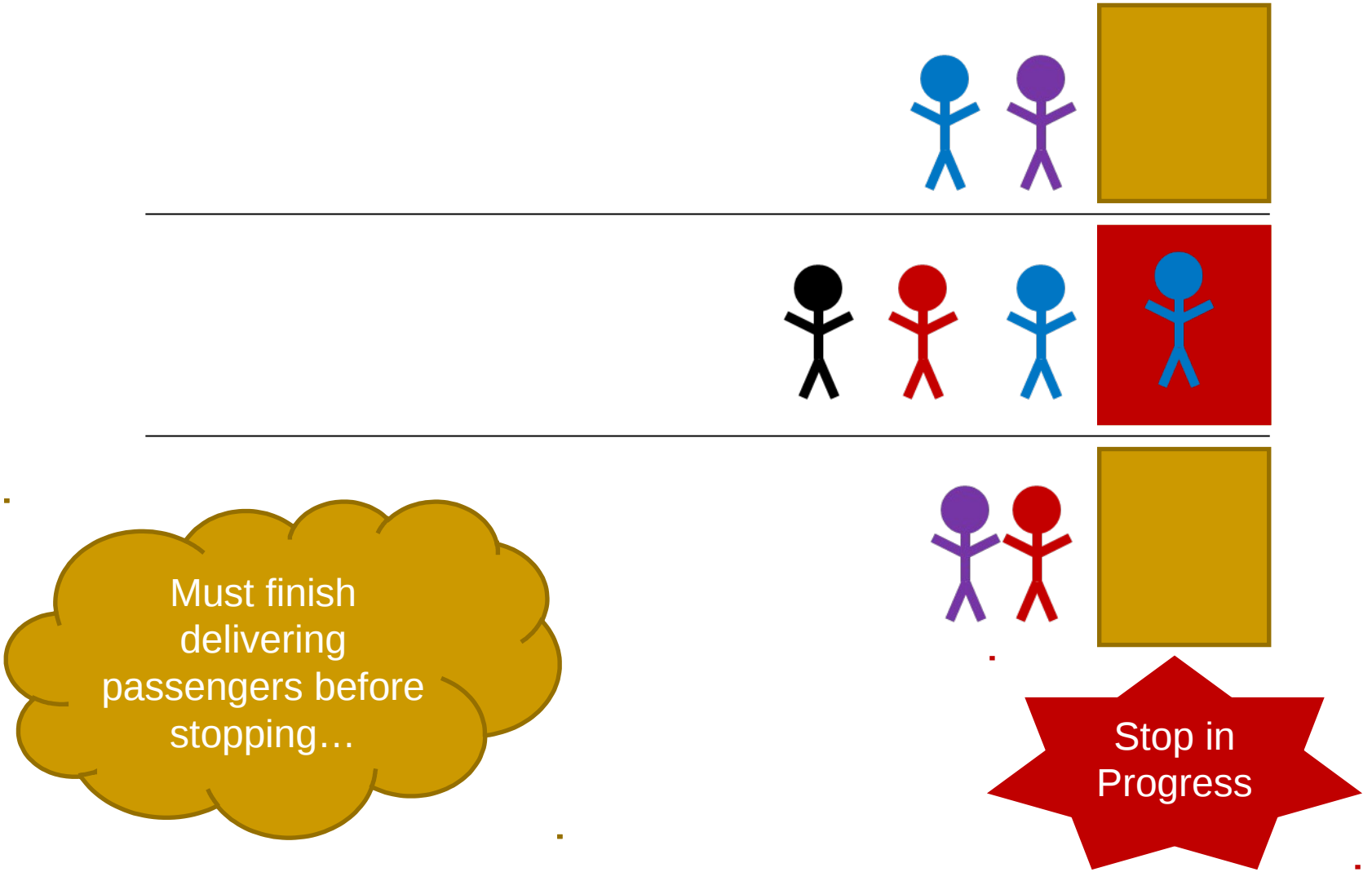
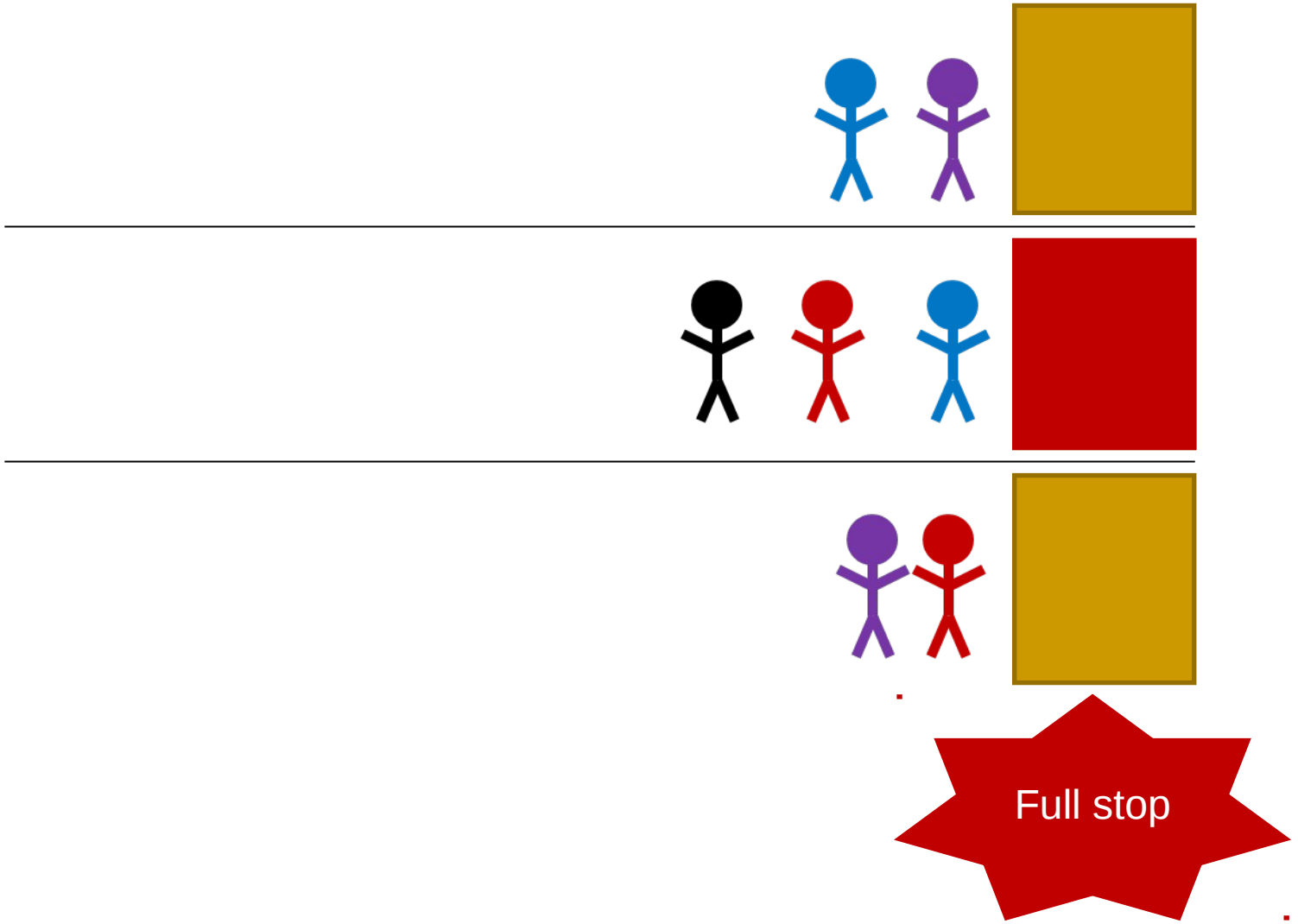
Elevator stop in progress…



Must finish delivering passengers before stopping…

Stop in Progress

Elevator stop in progress…



Elevator stop