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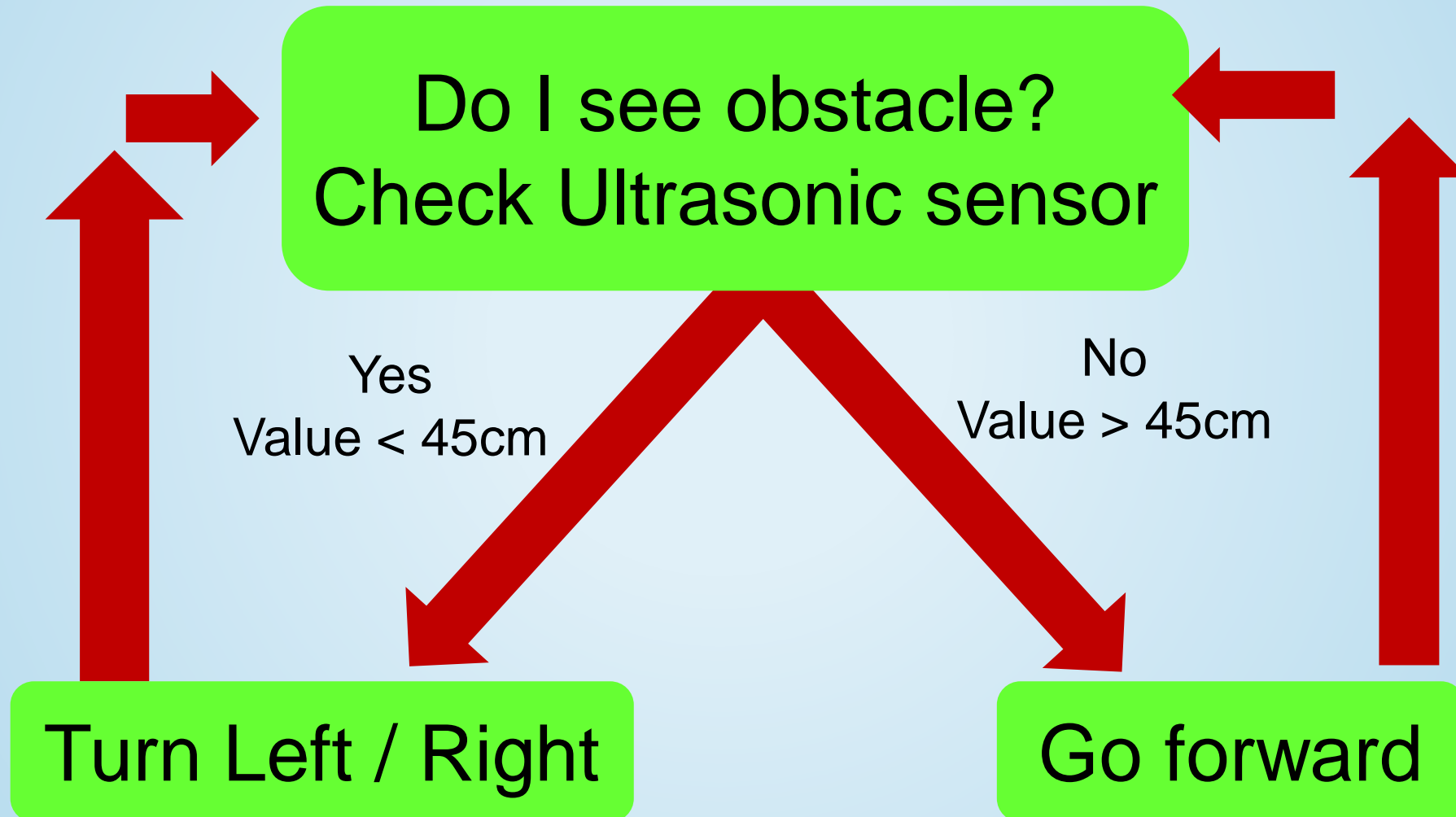
# Obstacle Avoidance / Tunnel Run Algorithm

1 Ultrasonic Sensor



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(1 Ultrasonic Sensor)

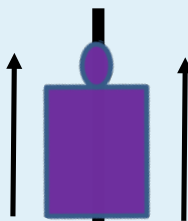




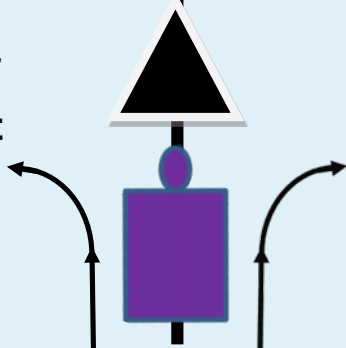
# Obstacle Avoidance/Tunnel Run Algorithm

(1 Ultrasonic Sensor)

If I don't see object within 30cm of Ultrasonic then go straight



If I see object within 30cm of ultrasonic then turn left/right



Go forward until the Ultrasonic sensor sees an object within 30cm then turn left/right

**If** robot sees obstacle  
**THEN** turn  
**ELSE** forward

For SUMO this process is reversed Turn in circle until the Ultrasonic sensor sees an object within 30cm then go straight.