Lab 3 – PID Controller

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Start

while loop

Is condition true?

No

Yes

Terminate Program

States

State 1 → Move forward for 46cm's at a speed of 50 to get out of box → Set State 2

State 2 → Turn right at 20 to get to the line → Set State 3 (Begin Scanning Line)

State 3 → Is the line found and is time < threshold → Continue to follow line

Set State 4

State 4 → Turn left at 10 to get to the line → Set Back to State 3 in order to find the line