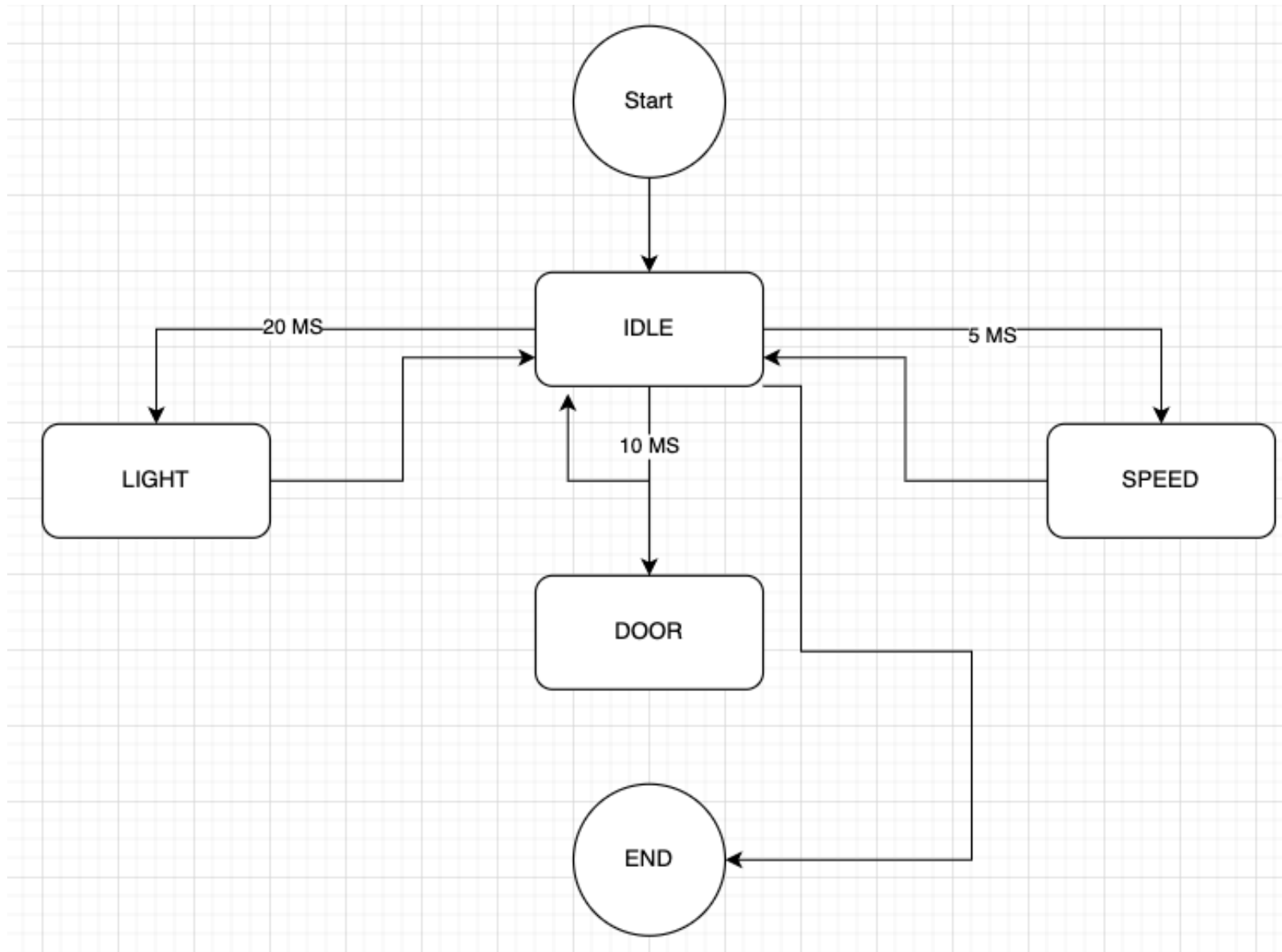


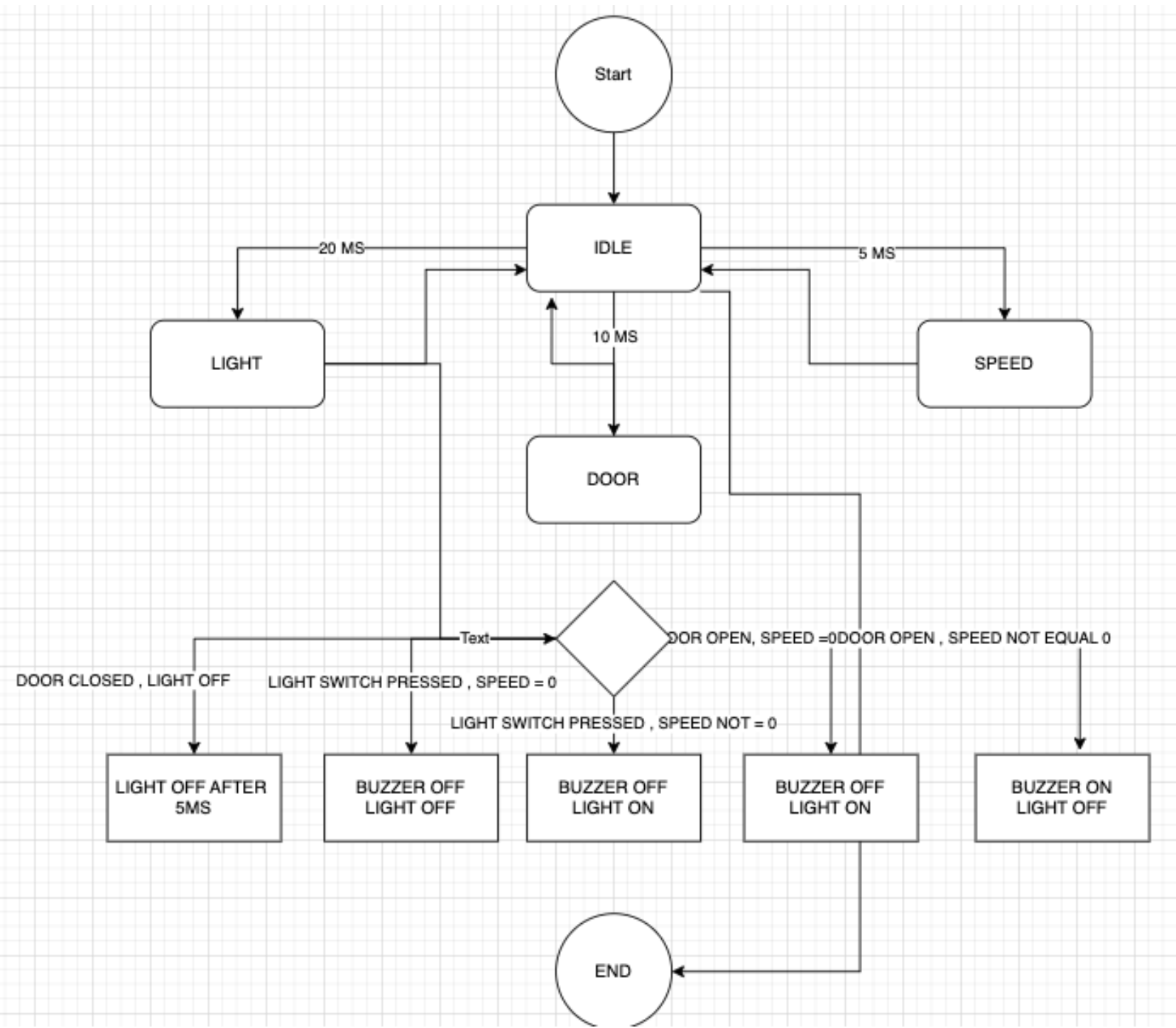
Automotive Door Control System Design

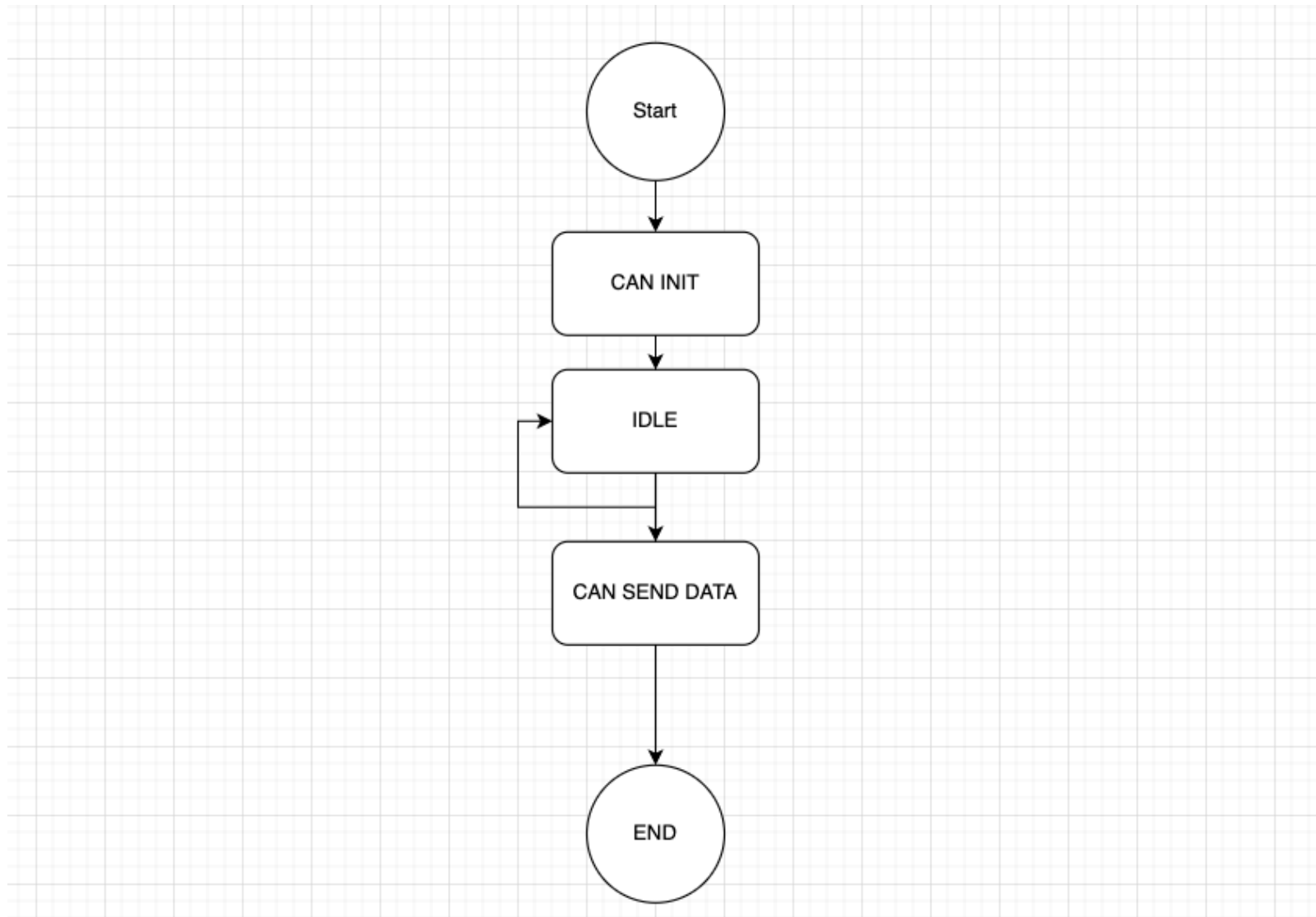
Ziad Ayman Emara
ziad_ayman1999@icloud.com

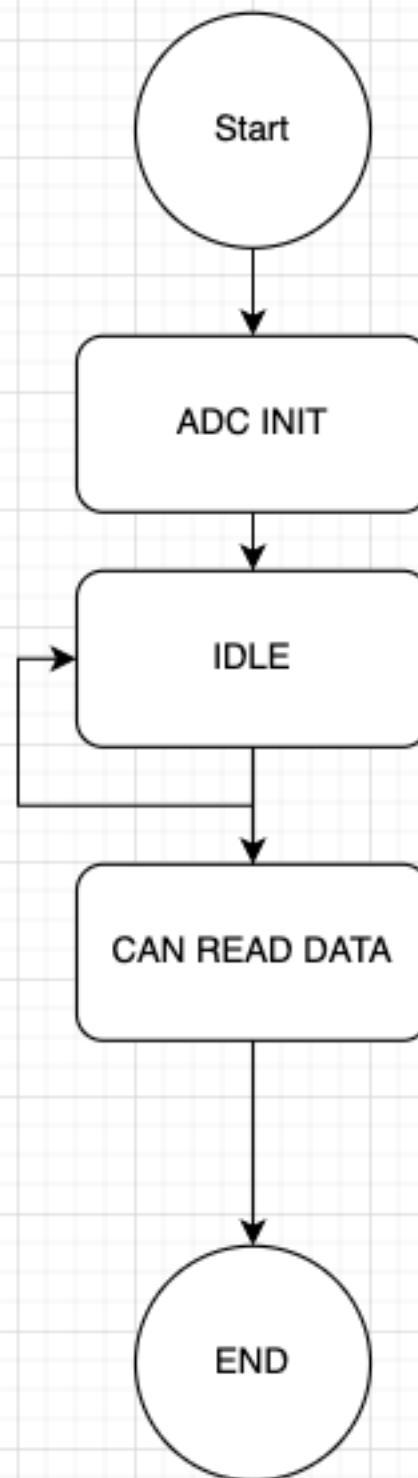
DYNAMIC DESIGN

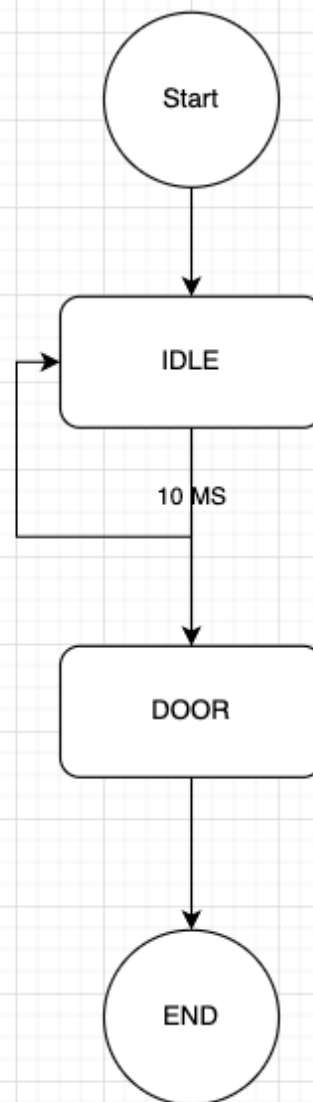
ECU1 :

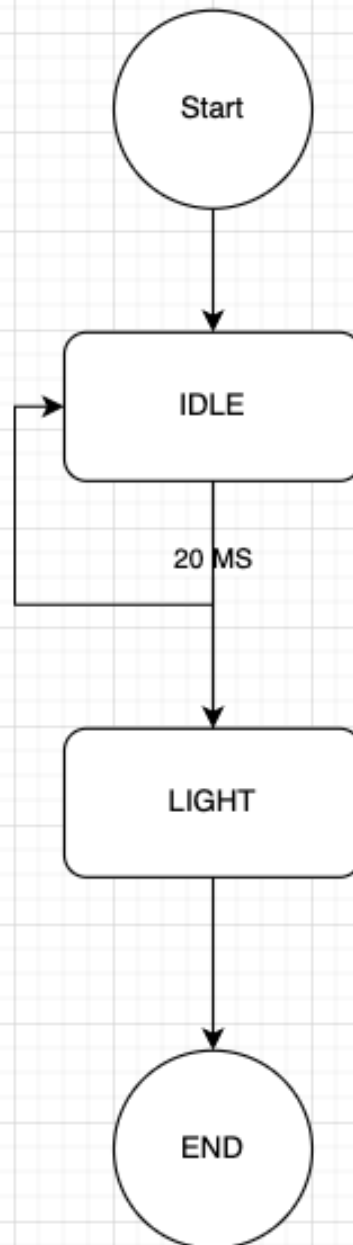


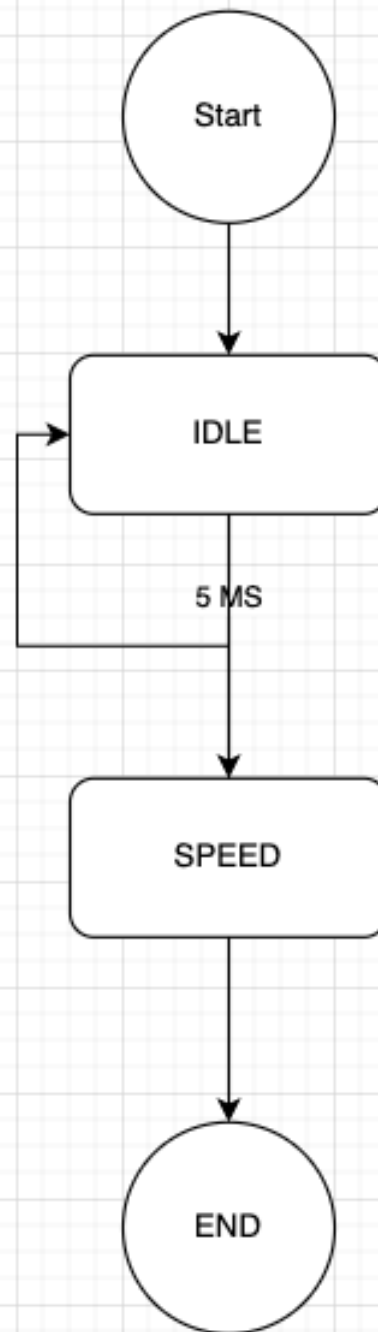




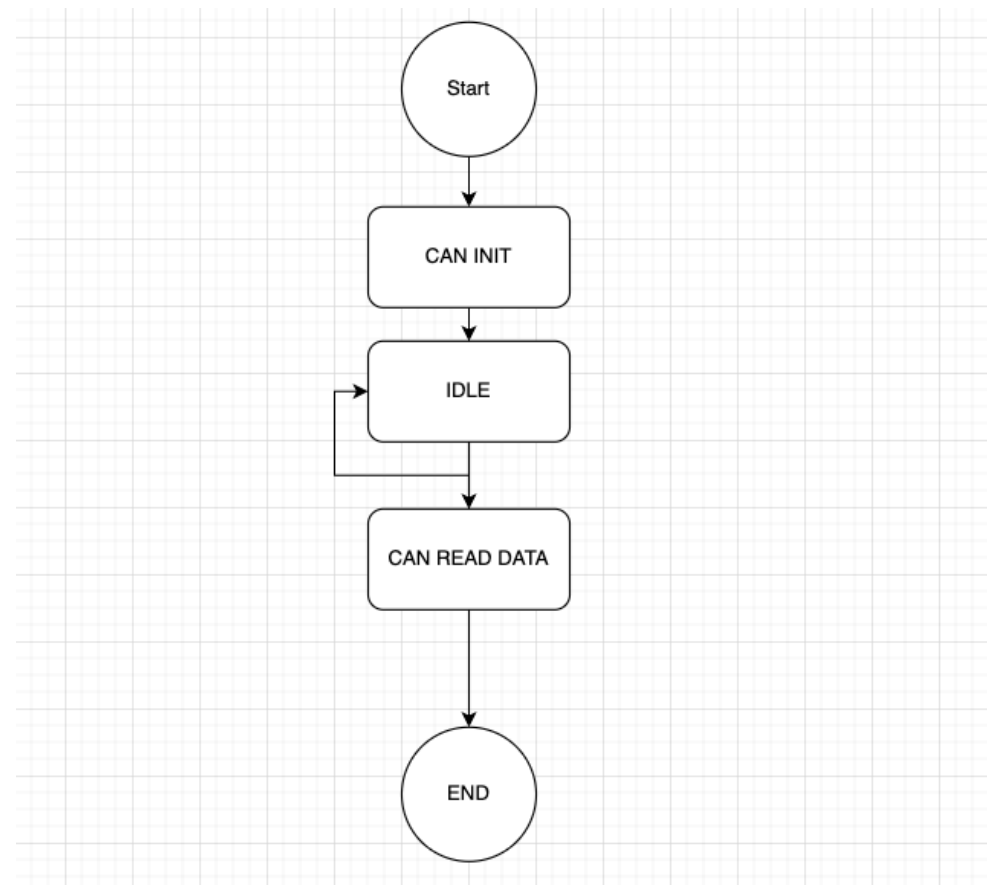


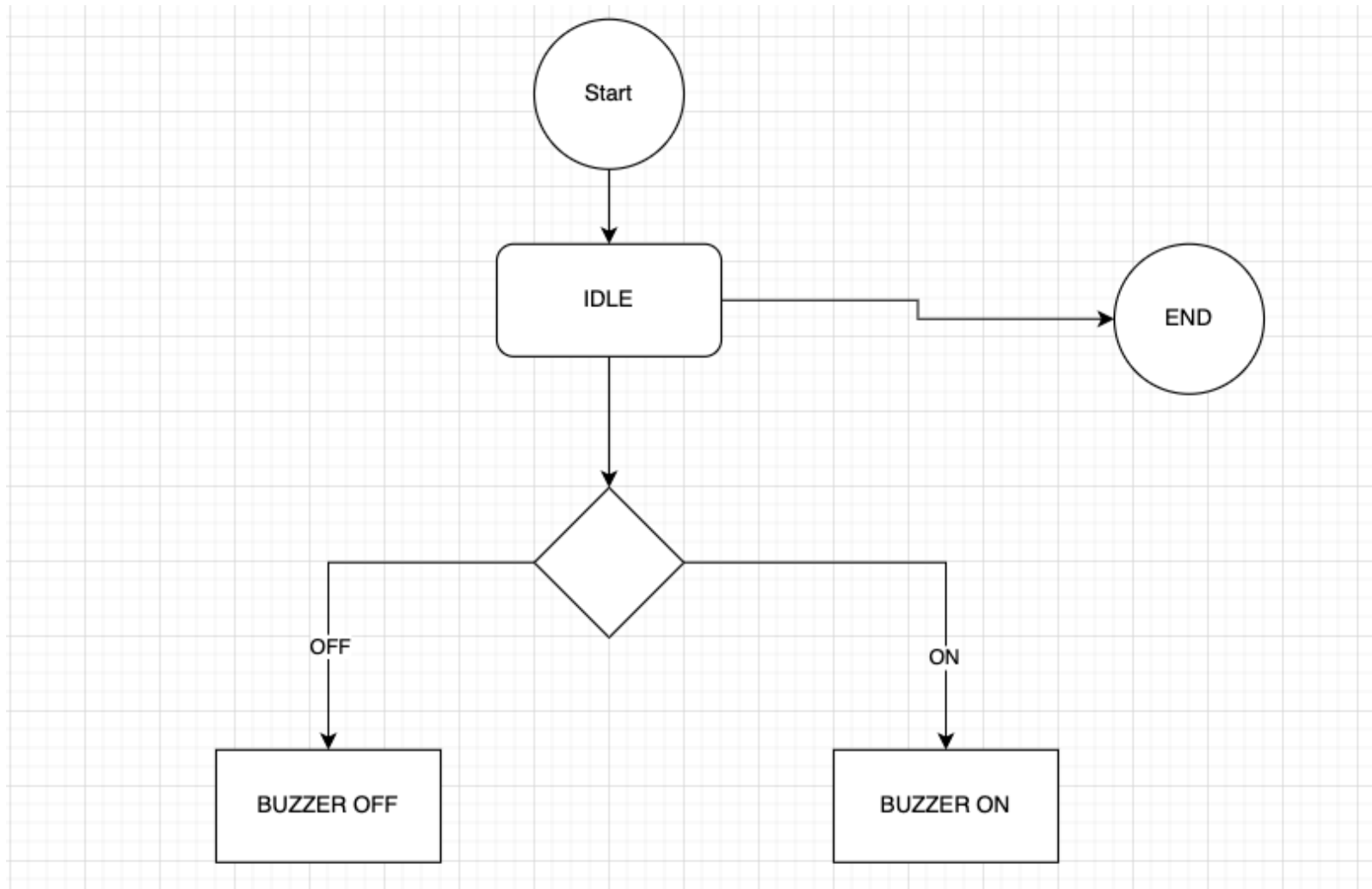


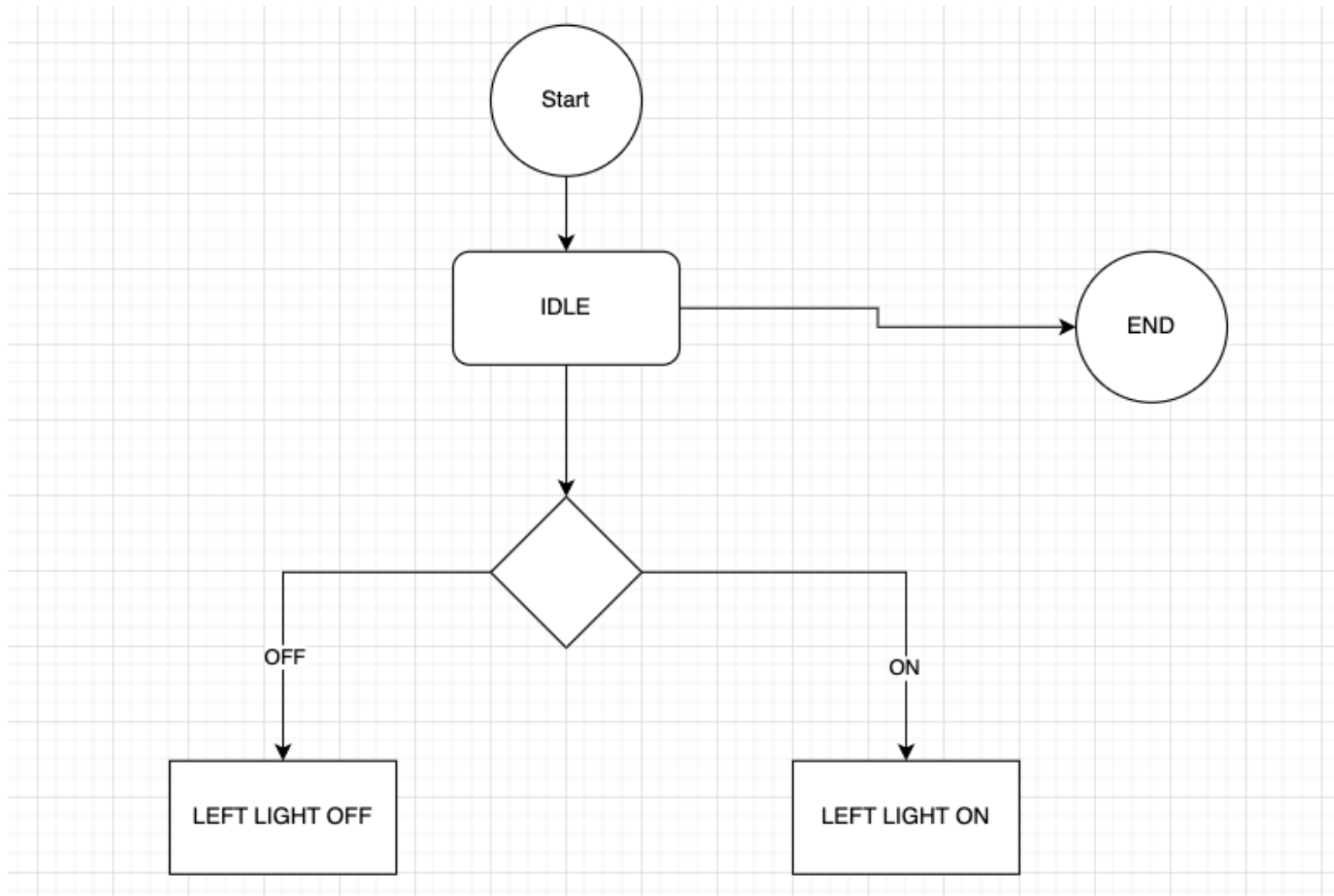


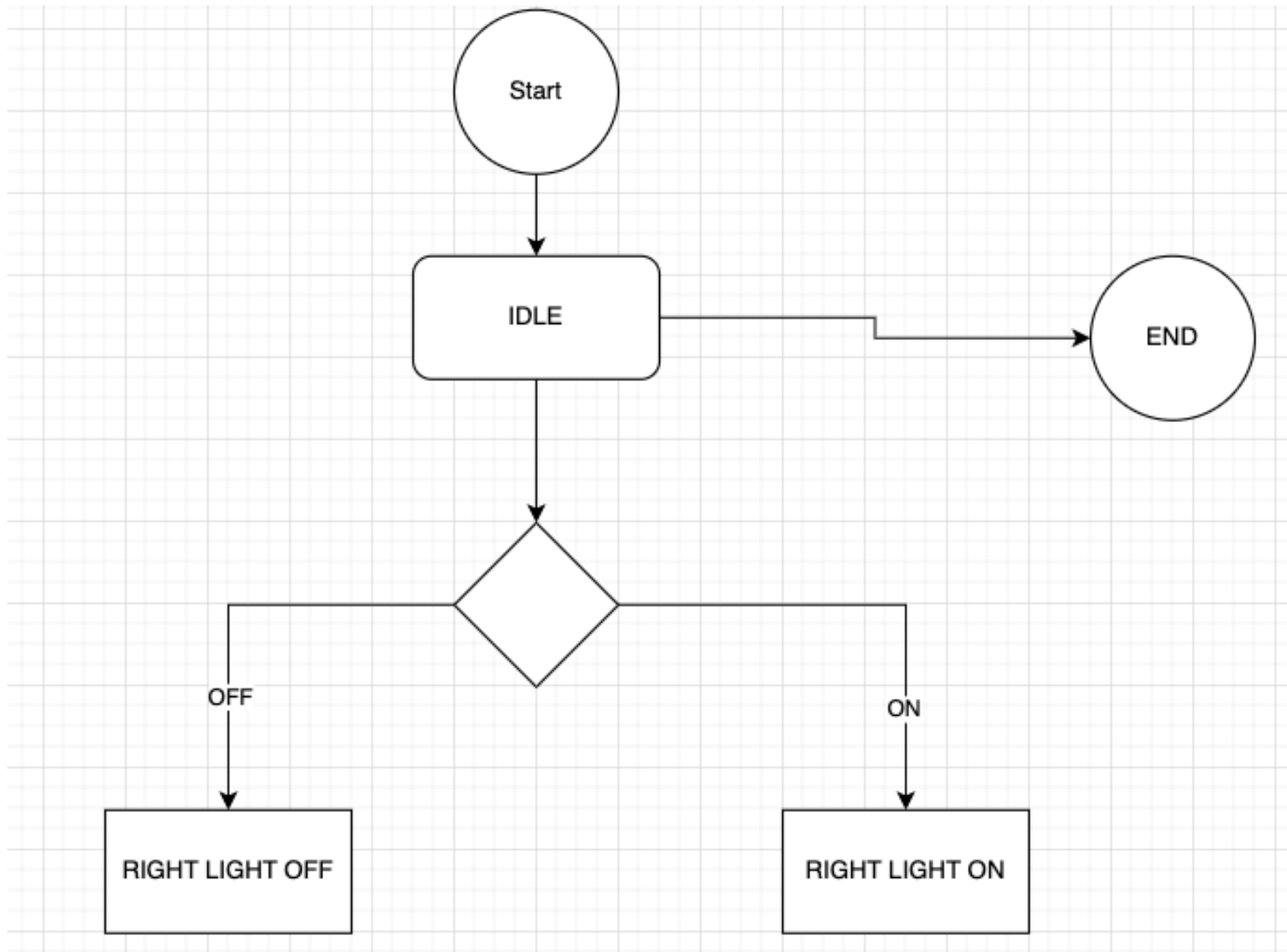


ECU2:

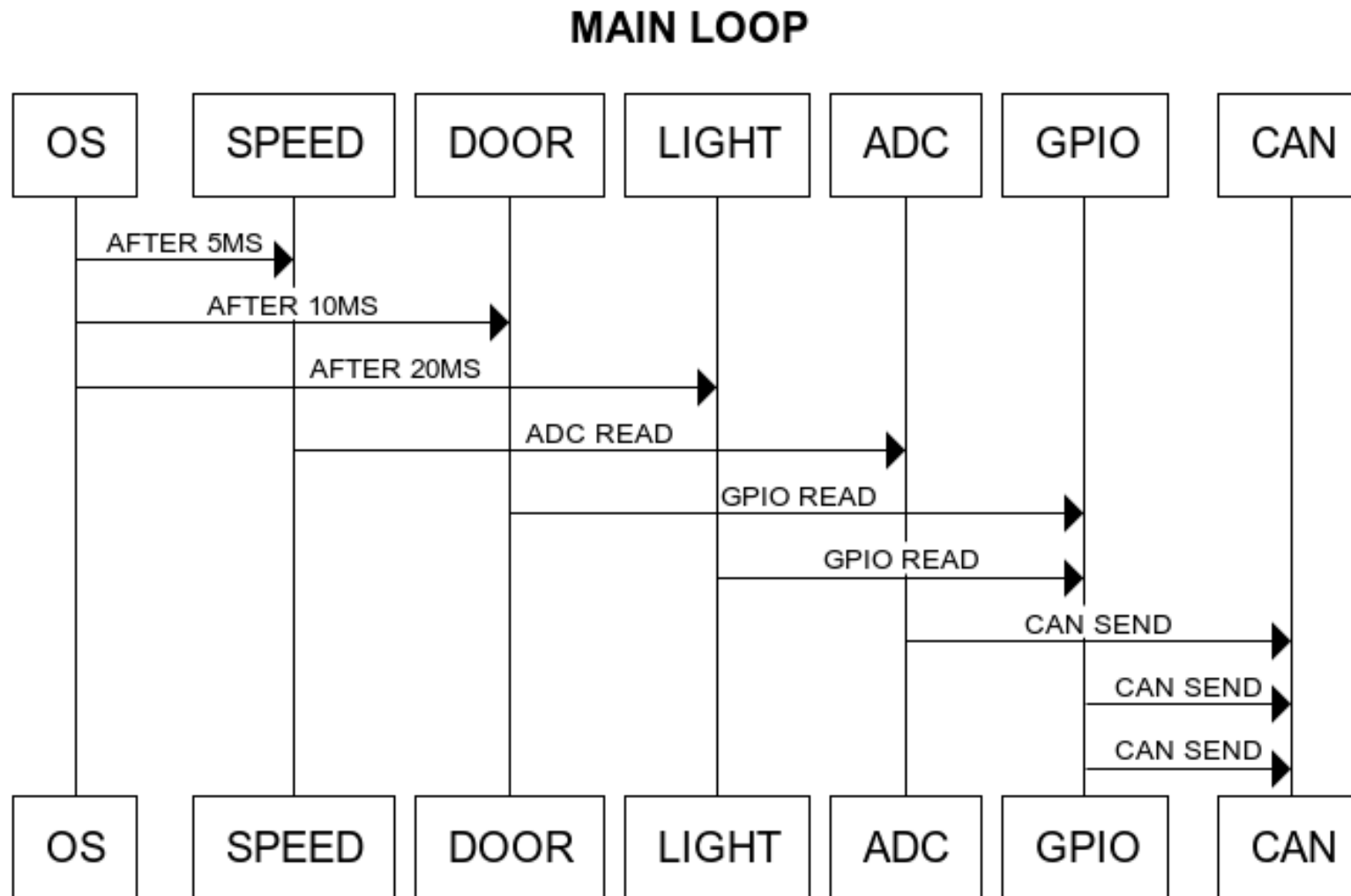




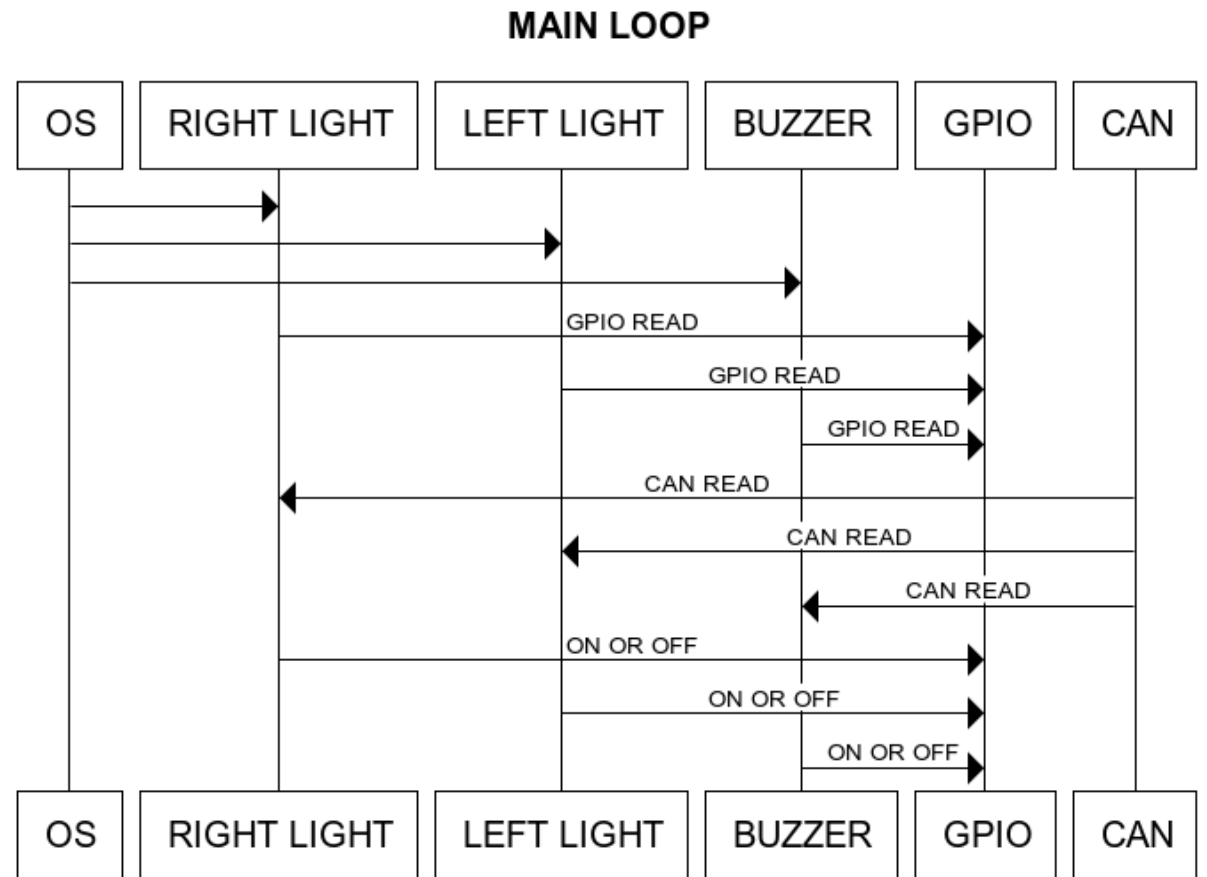




ECU1:



ECU2:



CPU:

LIGHT : 20MS

SPEED : 5MS

DOOR :10MS

TOTAL : 35MS

$$\text{CPU} = 100 - \text{IDLE} = 100 - 65 = 35\%$$