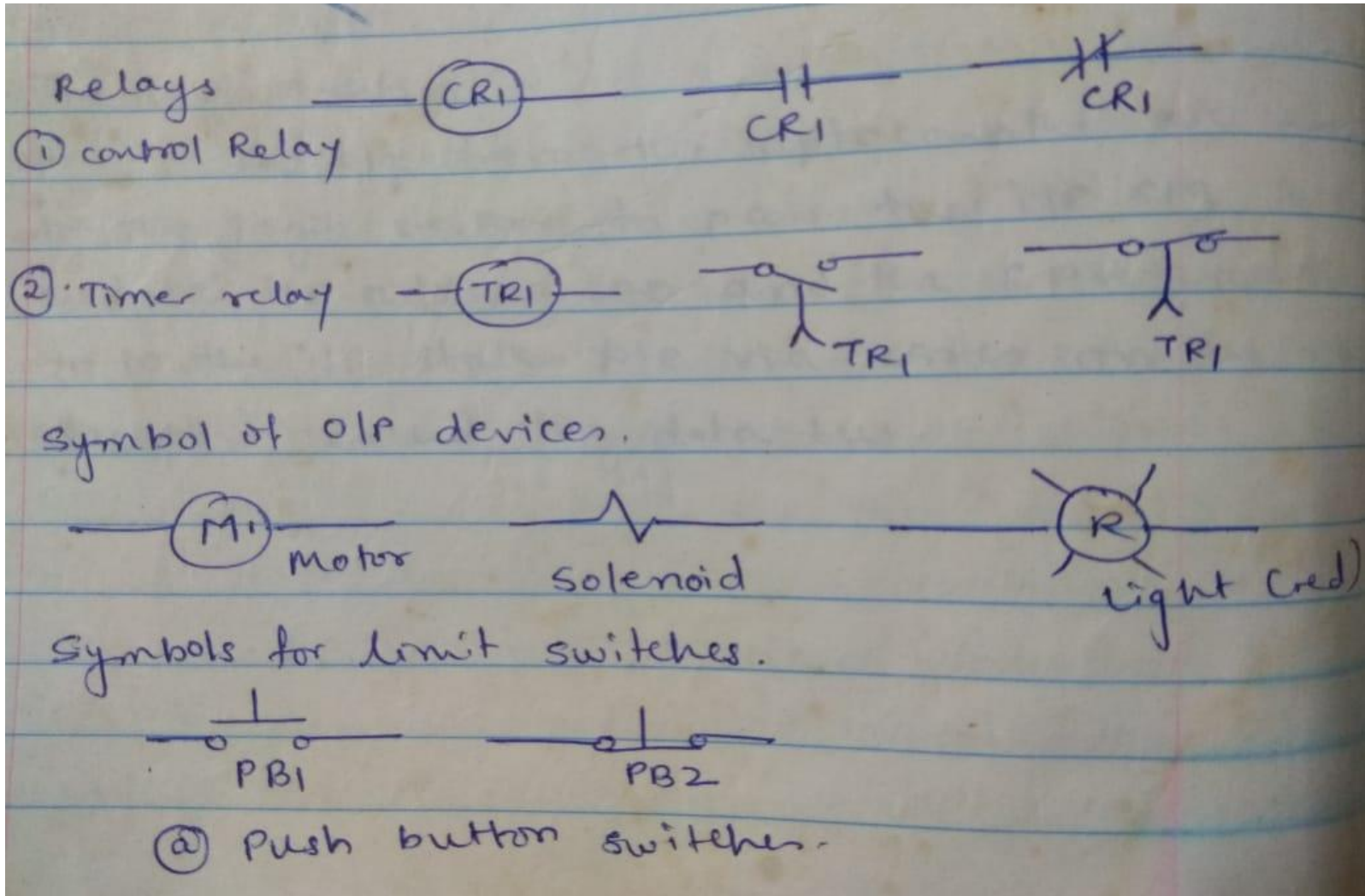
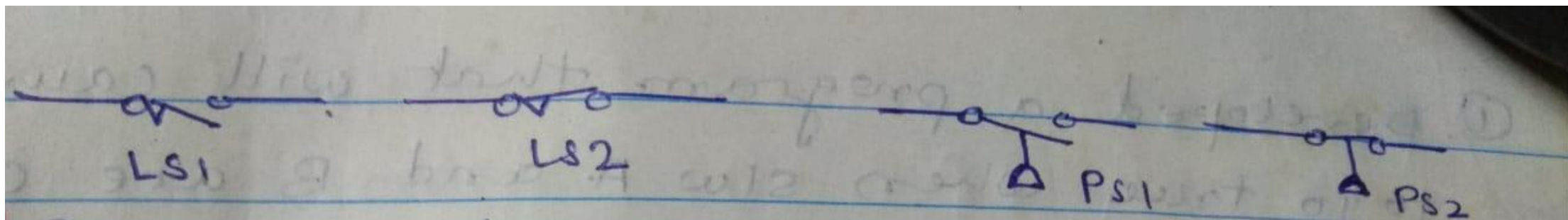


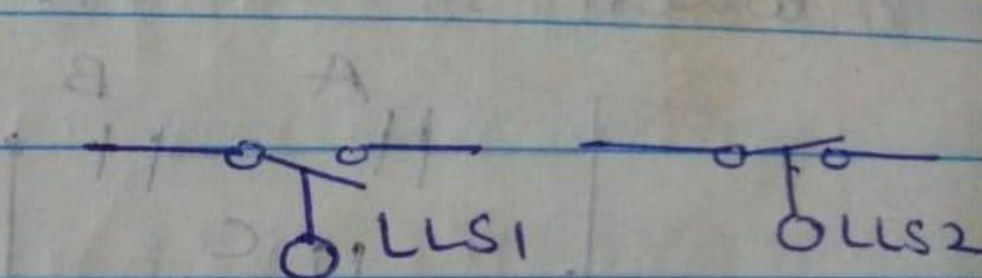
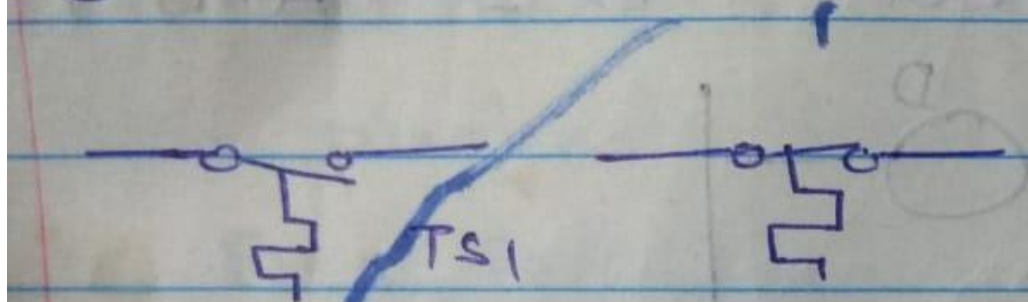
Ladder Logic Symbols





(b) Limit switches

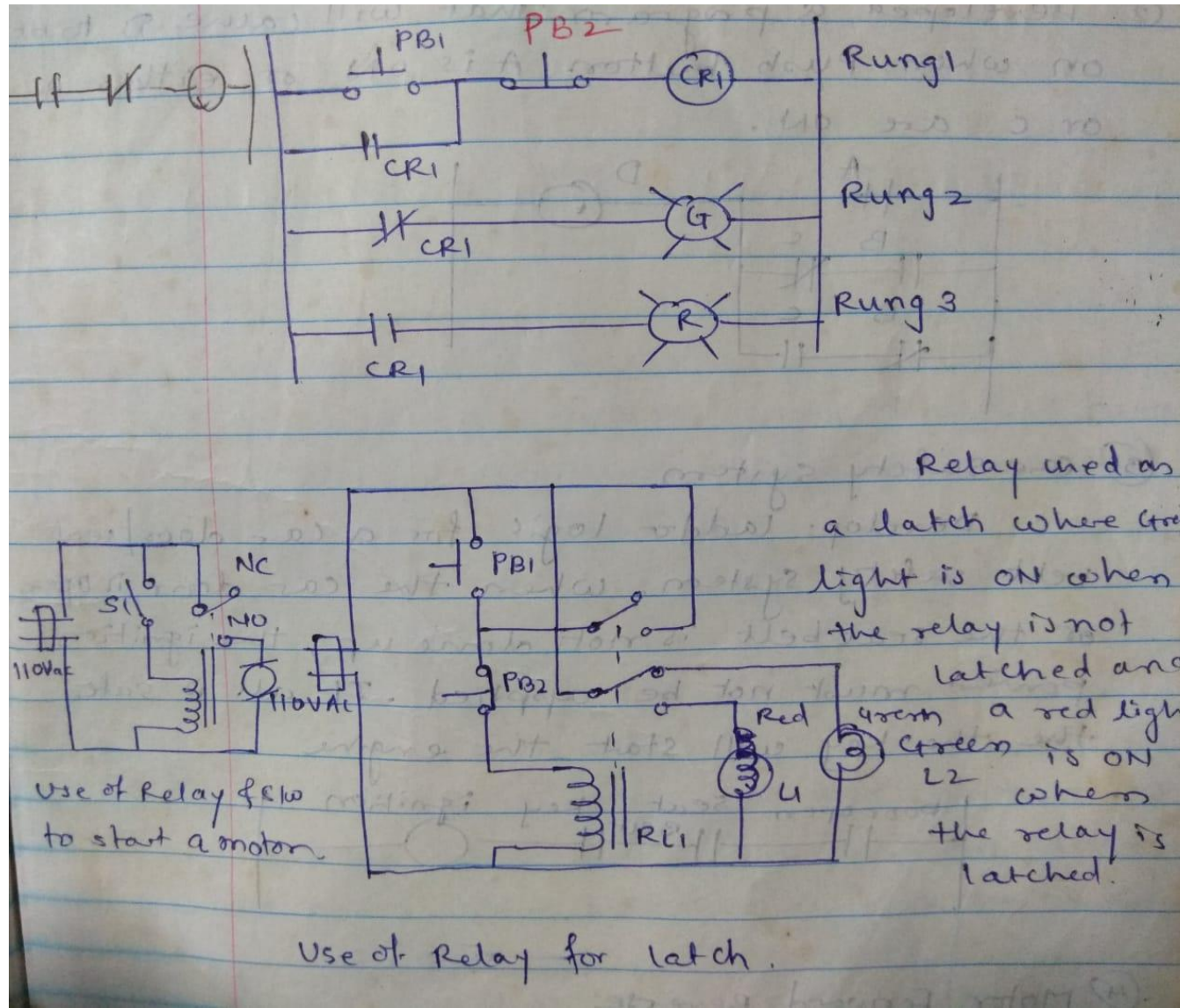
(c) Pressure limit switches



(d) Temp limit switches

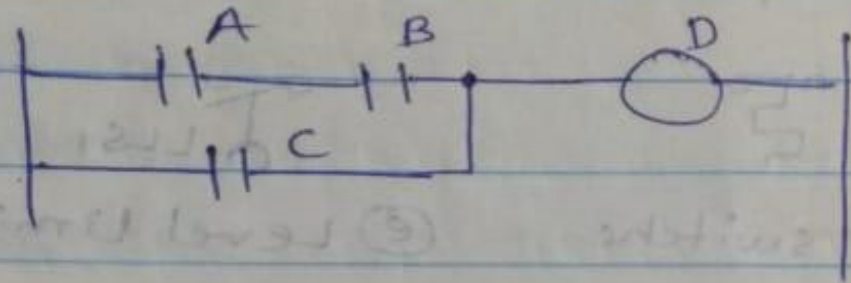
(e) Level limit switches

Use of Relay for Latch



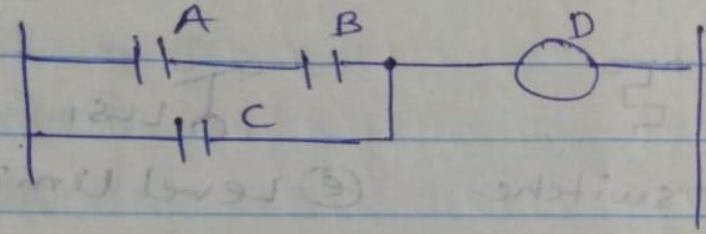
① Developed a program that will come output to go true when slw A and B are closed or when slw C is closed. $D = A \cdot B + C$

- ① Developed a program that will cause Output to go true when switch A and B are closed or when switch C is closed. $D = A \cdot B + C$

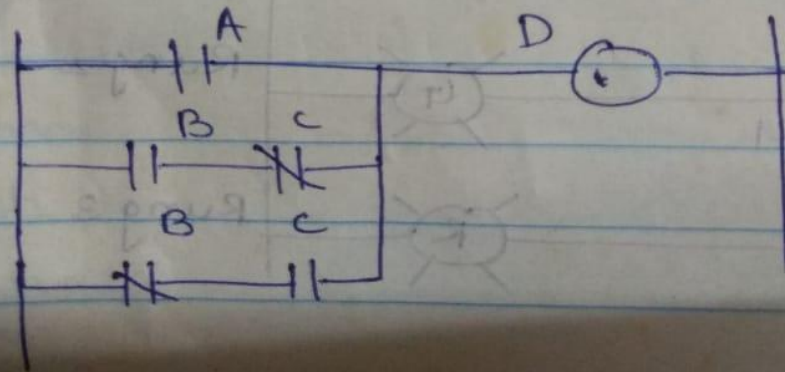


- ② Developed a program that will cause D to be on when push button A is ON or either B or C are ON.

- ① Developed a program that will cause output to go true when switch A and B are closed or when switch C is closed. $D = A \cdot B + C$



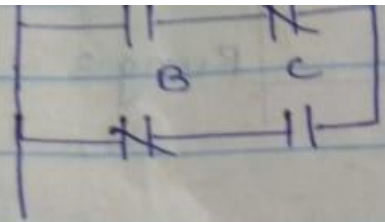
- ② Developed a program that will cause D to be on when push button A is ON or either B or C are ON.



③ car safety system

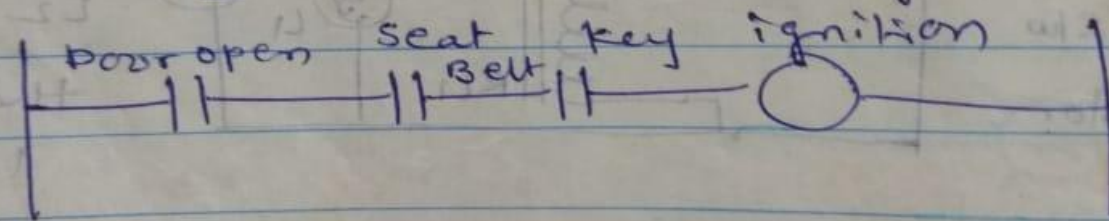
③ car safety system

Develop ladder logic for a car door/seat belt safety system. When the car door is open or the seat belt is not done up, the ignition power must not be applied. If all is safe then the key will start the engine.



③ car safety system

Develop ladder logic for a car door/seat belt safety system. When the car door is open or the seat belt is not done up, the ignition power must not be applied. If all is safe, then the key will start the engine.



④ Motor Forward Reverse

Design a motor controller that has a forward

- 17) Draw a ladder dia for two motor system

① starting push button starts motor

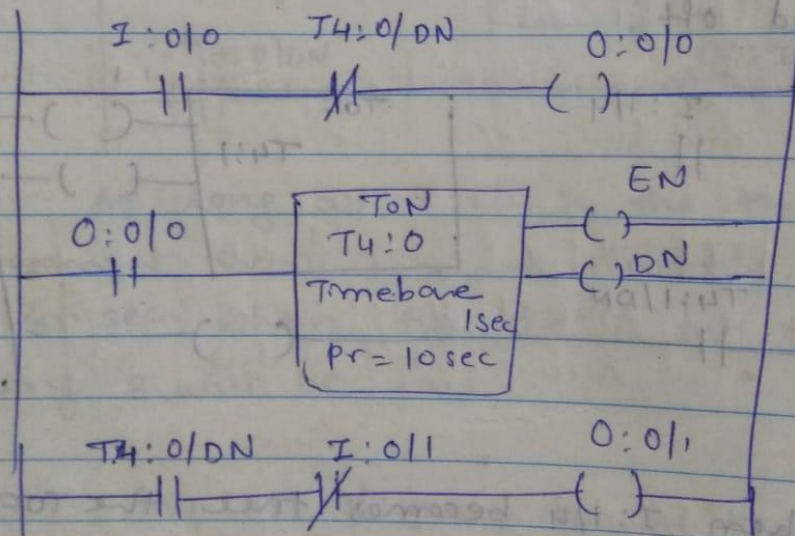
(2) After 10 seconds motor 1 is off and motor 2 is on

③ stopping elw stops motor 2

ଅଧିକାରୀଙ୍କ ସମ୍ମୁଖରେ ଉପସ୍ଥାପନ କରାଯିବ।

start slw I: 0/0 motor 1 0:0/0

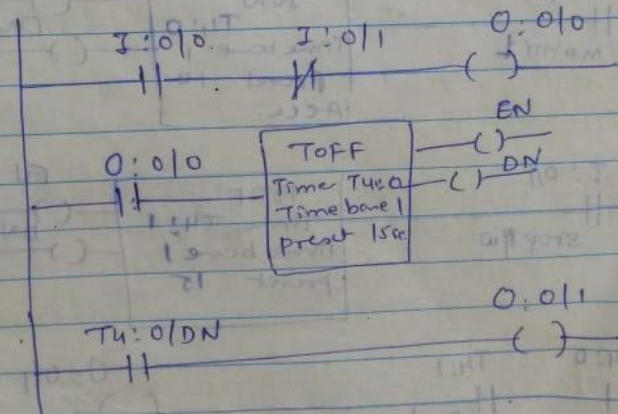
stop slw I: 0/1 motor 2 0: 0/1



27 Draw a ladder diagram for a two motor system having the following conditions.

- ① starting push button starts motor 1 &
- ② stop sw stops motor 1 first, after 15 sec motor 2 stops.

I/P		O/P	
start	I:0/0	motor 1	O:0/0
stop	I:0/1	motor 2	O:0/1



3) Draw a ladder diagram for a two motor system having the following conditions.

- ① starting push button starts motor 1 and 10 sec after motor 2 starts.
- ② stop SW stops motor 1 and 15 sec later motor 2 stops.

