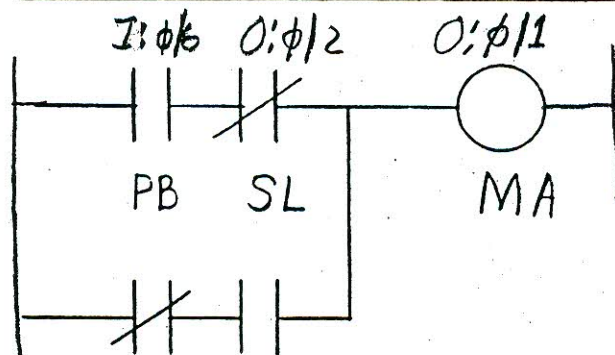


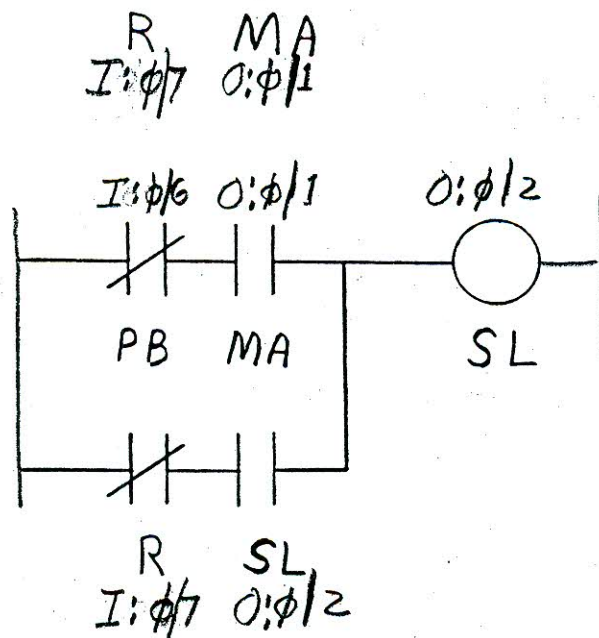
LOGIC

MASTER / SLAVE LATCH

USING
LATCH 1



MASTER
LATCH



SLAVE
LATCH

>> HOME WORK <<
* REDO MASTER/
SLAVE USING
LATCH 2

PB = PUSH BUTTON TO ACTIVATE LATCH (SET)

SL = MASTER SET INHIBIT

R = RESET (CLEAR LATCH) PUSH BUTTON

MA = SLAVE SET ENABLE

- DESIGN A MOTOR START/STOP CIRCUIT USING THE MASTER/SLAVE LATCH. MOTOR STARTS AND RUNS UPON RELEASE OF THE START PB. VERIFY BY CONNECTION TO A 3 Φ MAGNETIC STARTER.

MASTER/SLAVE LATCH

TWO PUSH BUTTON
-SEQUENCE-

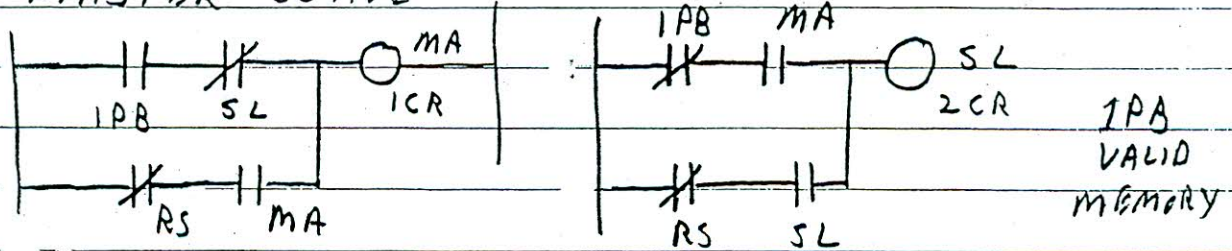
0 1PB THEN 2 PB = CORRECT SEQUENCE

0 ELSE = INCORRECT SEQUENCE - ERROR

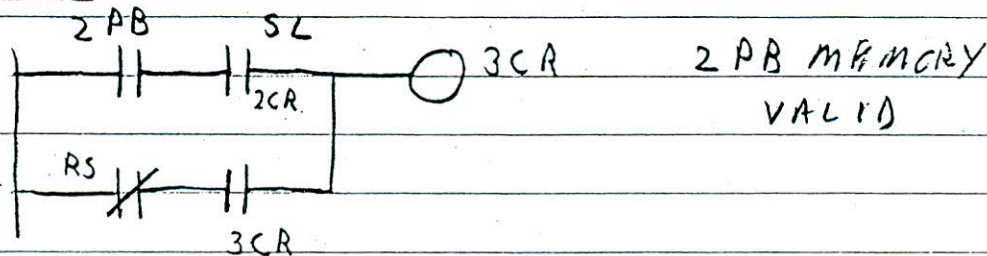
METHOD-2 FOR 2 PUSH BUTTON SEQUENCE
FROM THE PREVIOUS PAGE.

BLOCK-1 * ASSIGN I/O ADDRESSES *

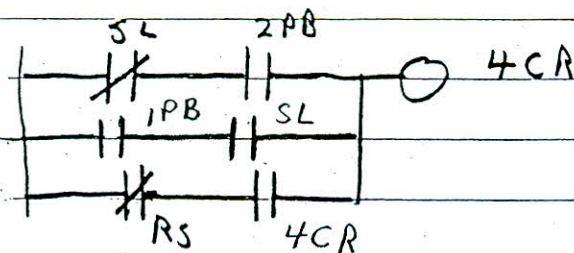
MASTER-SLAVE



BLOCK-2



INVALID SEQUENCE - 2PB PUSHED BEFORE 1PB



BLOCK-3

2PB PUSHED BEFORE
1PB OR 1PB AND
2PB PUSHED AT THE
SAME TIME
ERROR MEMORY

OUTPUTS

