

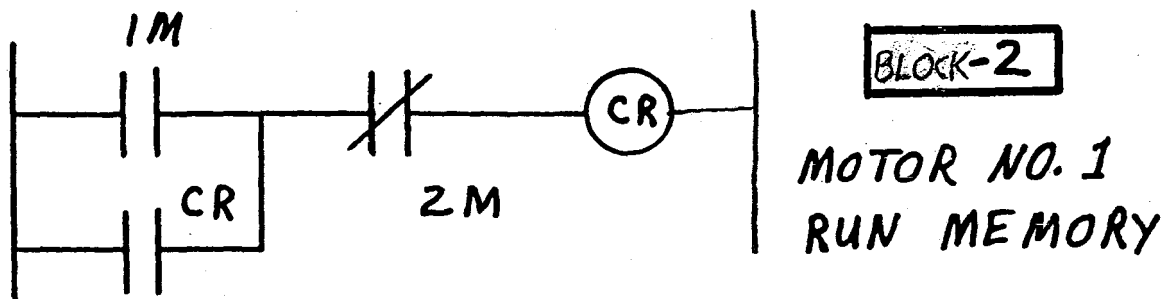
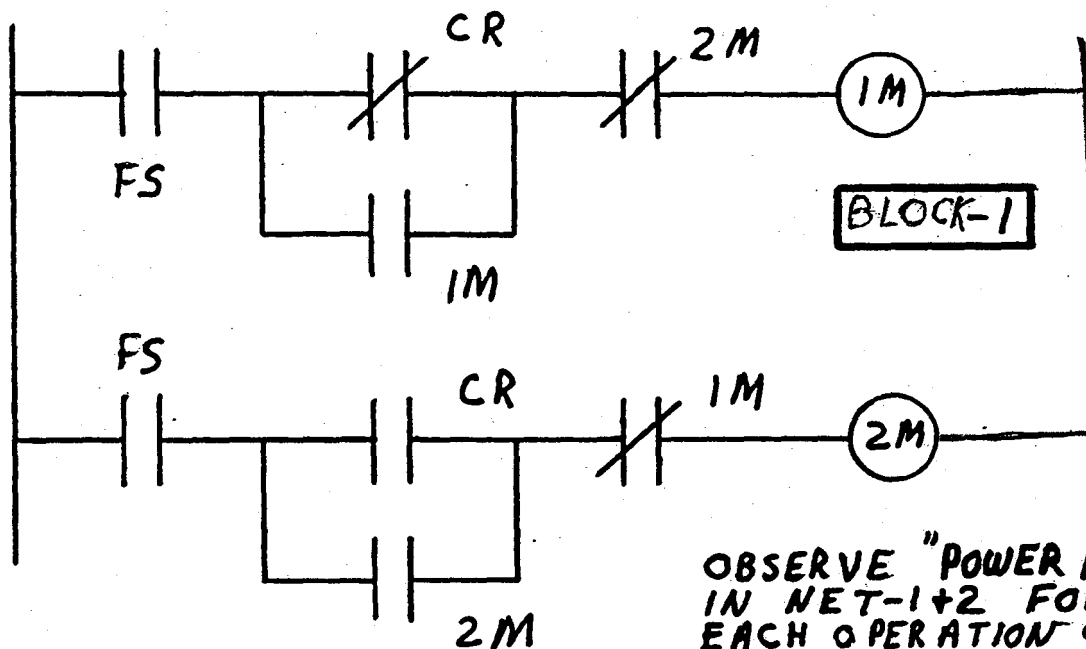
EXERCISE 4

IND. CONT. ONE MEMORY CKT. SHEET NO. 1 OF 2

ALTERNATE TWO MOTOR CONTROL

NET-1: 2 MOTORS ARE ALTERNATELY ACTIVATED BY THE MOMENTARY CONTACTS FS (FLOAT SWITCH)

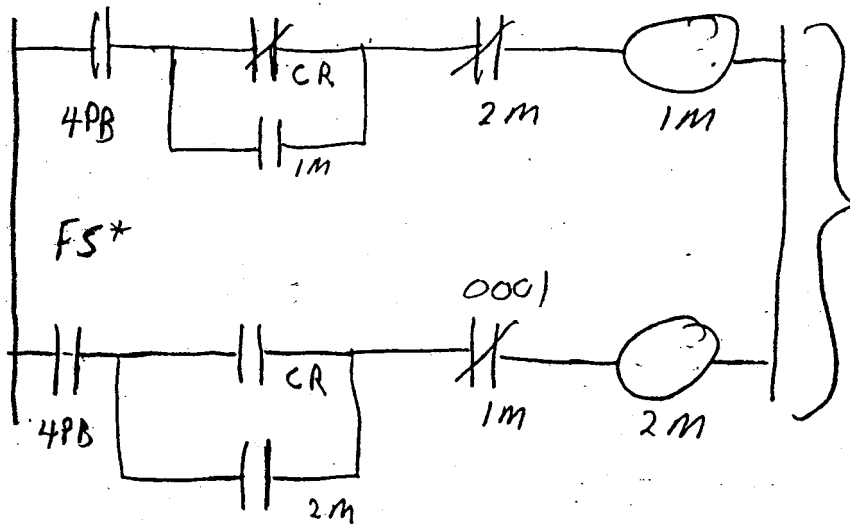
NET-2: REMEMBERS WHEN MOTOR NO. 1 HAS CYCLED SO MOTOR NO. 2 WILL OPERATE WHEN PS CONTACTS CLOSE AFTER MOTOR NO. 1 HAS RAN



1. MODIFY THE CKT. ON SHEET NO. 1 TO PROVIDE SYSTEM OPERATION BY PS FOR (A) MOTOR NO. 1 RUN ONLY AND (B) MOTOR NO. 2 RUN ONLY. PROVIDE A RESET BUTTON SO TO GO BACK TO THE ALTERNATE TWO MOTOR CYCLE.

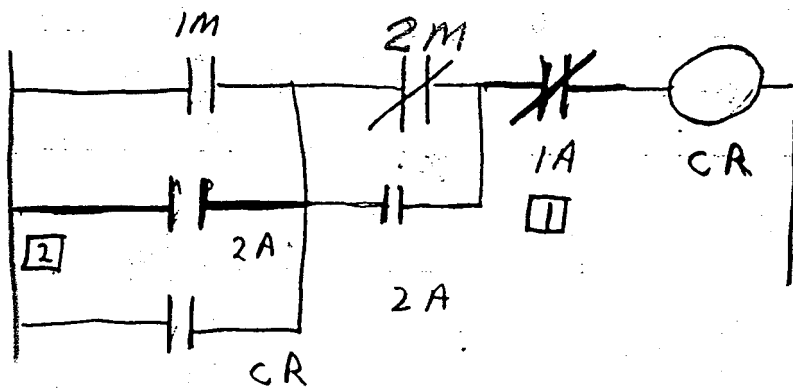
* DON'T FORGET $\Rightarrow$ SET UP A INPUT/INTERNAL/OUTPUT ADDRESS ASSIGNMENT TABLE.

ALTERNATE TWO MOTOR CONTROL WITH MOTOR-1 RUN ONLY AND MOTOR-2 RUN FS* ONLY FEATURE



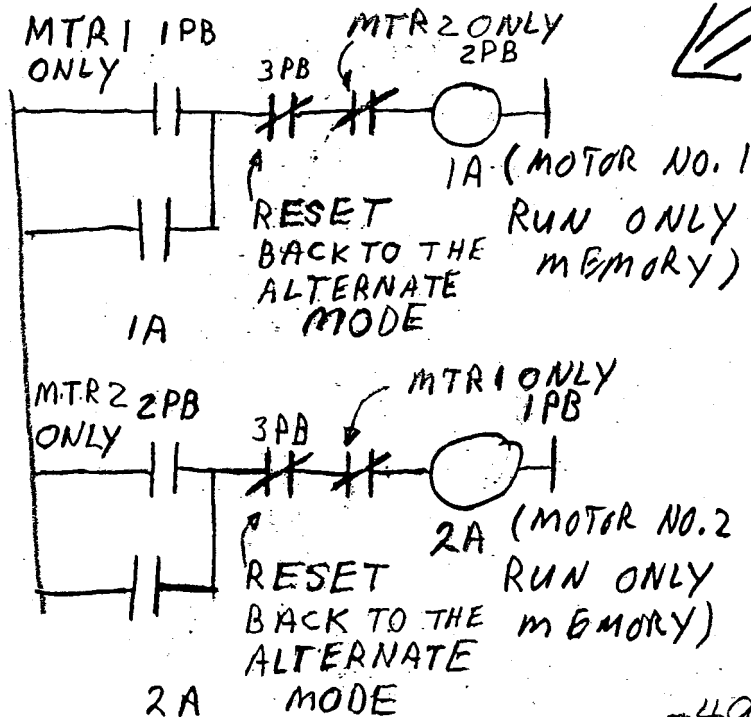
BLOCK-1
ORIGINAL CKT
LEAVE "AS-IS"

*FS = USE INPUT
PB TO SIMULATE FS
FS = COULD BE
FLOAT SWITCH



BLOCK -2
MODIFY [1] [2]

MOTOR NO. 1
RUN MEMORY



ADD BLOCK-3

- RESET - DISABLES MOTOR #1 RUN ONLY AND MOTOR #2 RUN ONLY BACK TO ALTERNATE MTR1/MTR2/MTR1/MTR2 etc CONTROL

- 1PB (MTR1 ONLY) LATCHES 1A WHICH DISABLES CR MTR1 MEMORY SO MTR1 CAN ONLY RUN
- 2PB (MTR2 ONLY) LATCHES 2A WHICH ENABLES CR MTR1 MEMORY SO MTR1 CAN ONLY RUN