EEE 442 PROGRAMMABLE LOGIC CONTROLLERS LABORATORY
EXPERIMENT 5
MOVE INSTRUCTION

Object: In this experiment move instructions will be introduced.

Use the move instructions to copy data elements to a new memory address and convert from one data type to another. The source data is not changed by the move process

PRELIMINARY WORK

P.1 Write a PLC program to set Q0.0, Q1.0 and Q1.1 output after I0.0 is initialized.

P.2 Write a PLC program to copy the current value of a counter.

P.3 Write a PLC program to set the preset value of a timer with a pre-determined value.

P.4 Write a PLC program to get current values of three counters by using move instructions at once.

EXPERIMENTAL PROCEDURE

E.1 Verify each program written in P.1 using S-7 1200 PLC.

E.2 Verify each program written in P.2 using S-7 1200 PLC.

E.3 Verify each program written in P.3 and P4 using S-7 1200 PLC.