No.exp:4

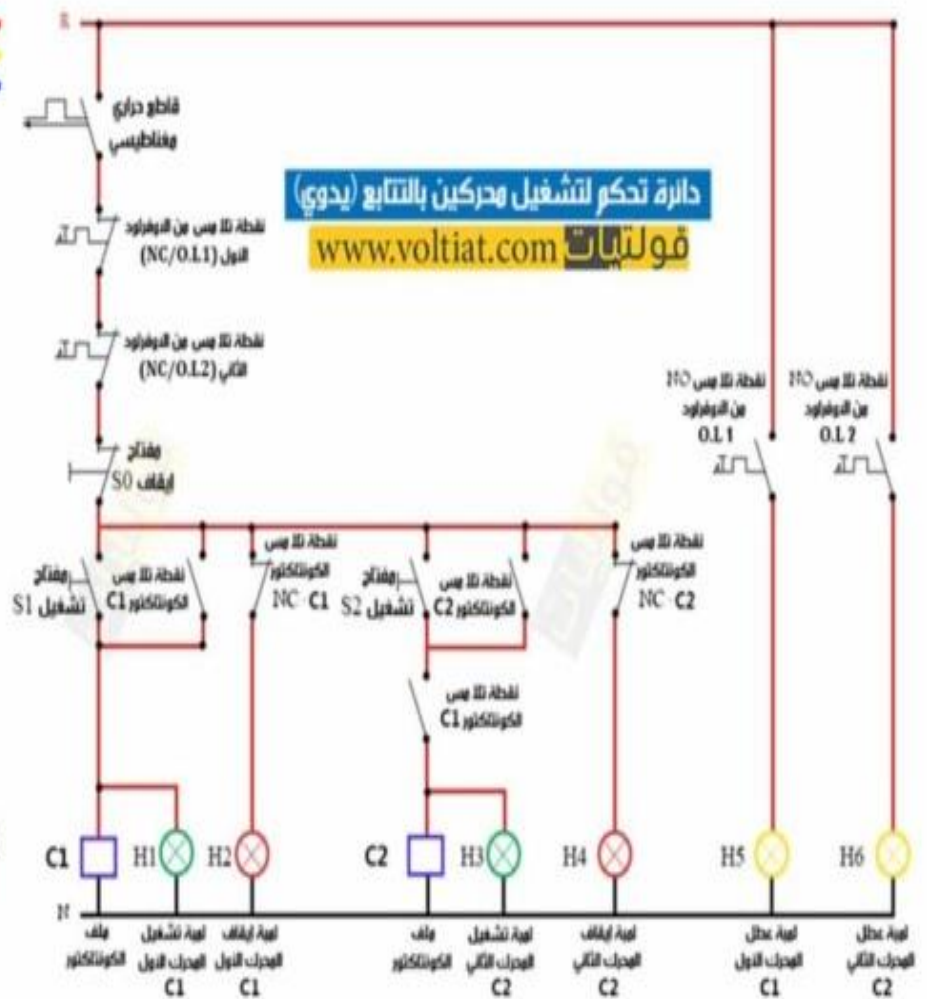**Name of Exp:** Control of two motors running sequentially using PLC.

Objective:

The students will be able to:

1. Connect circuit to control Control of two motors running sequentially using PLC
2. Drawing main and power circuits.
3. Convert the ladder diagram to function block diagram and running both circuits in PC and manually.

Theoretical study

The importance of this circuit is to work on feeding the two motors sequentially the moment the start button is pressed, and from here comes the role of the control circuit to work on the first motor, then you can start the second motor sequentially and sequentially..
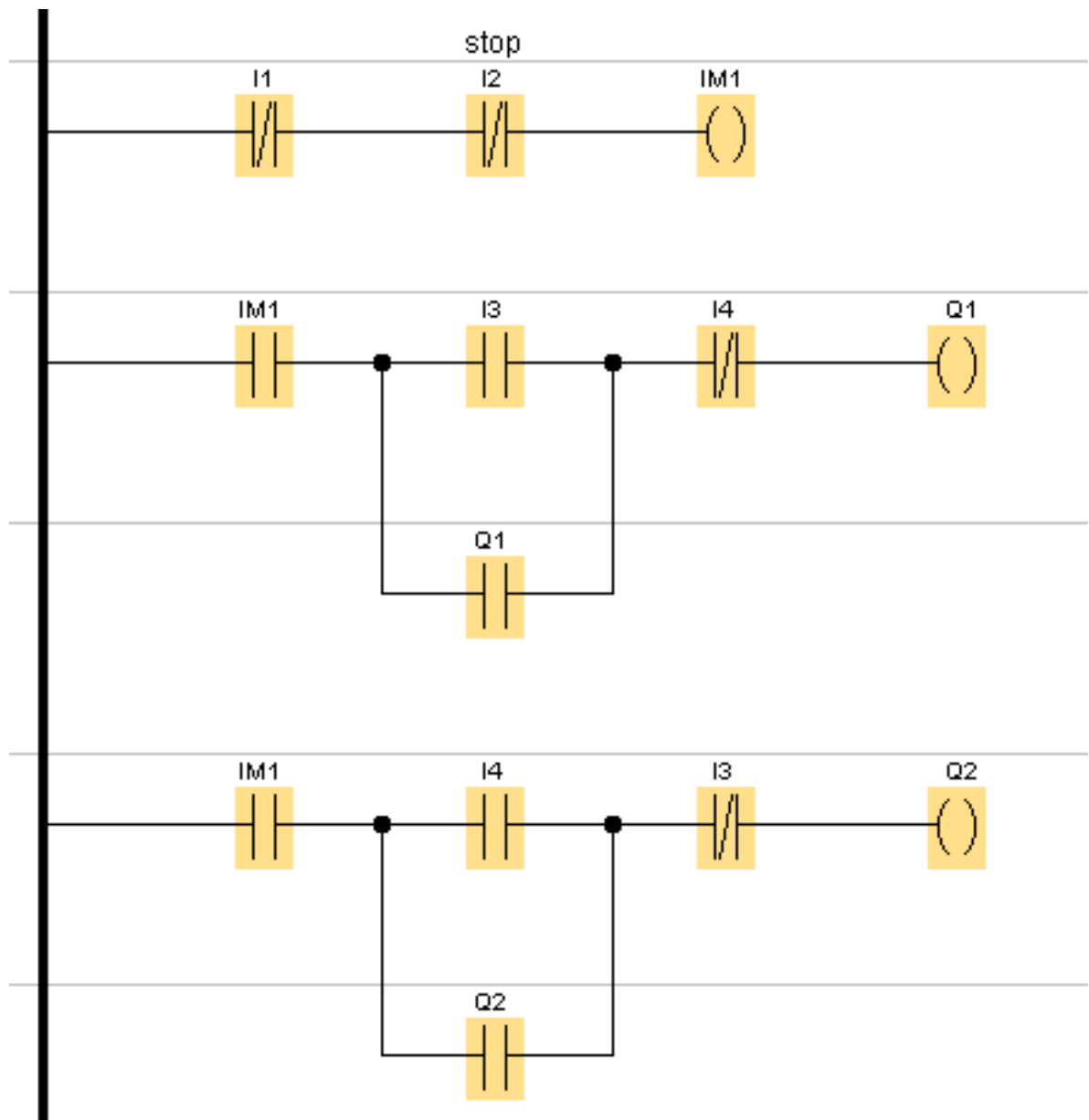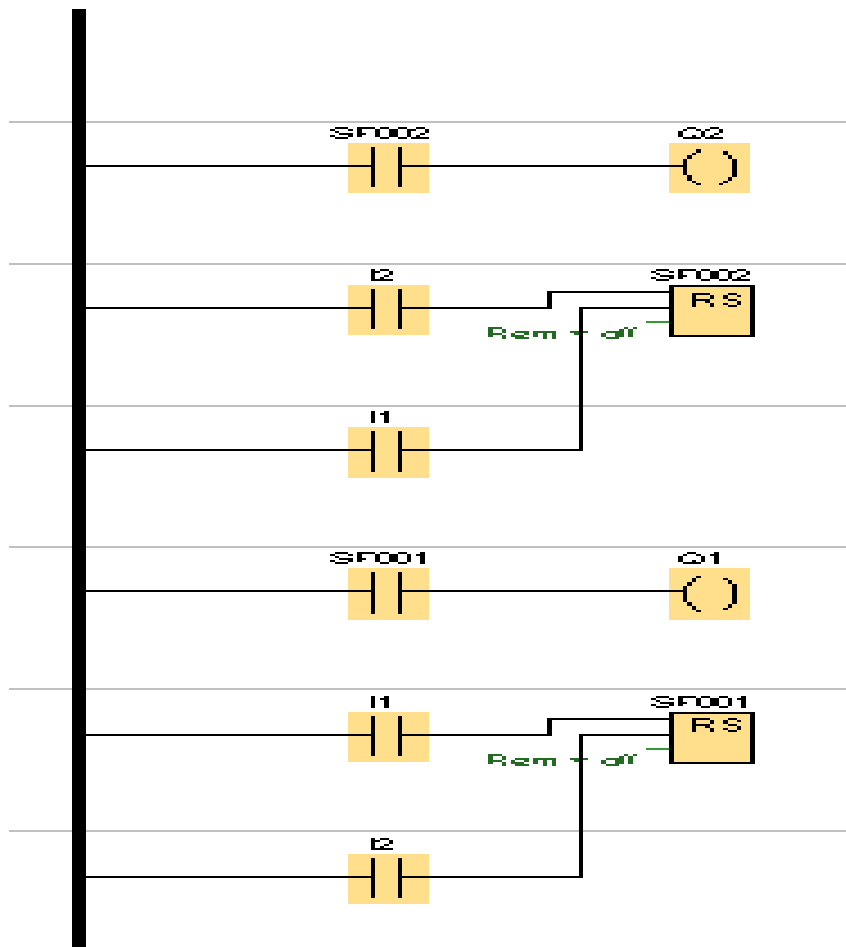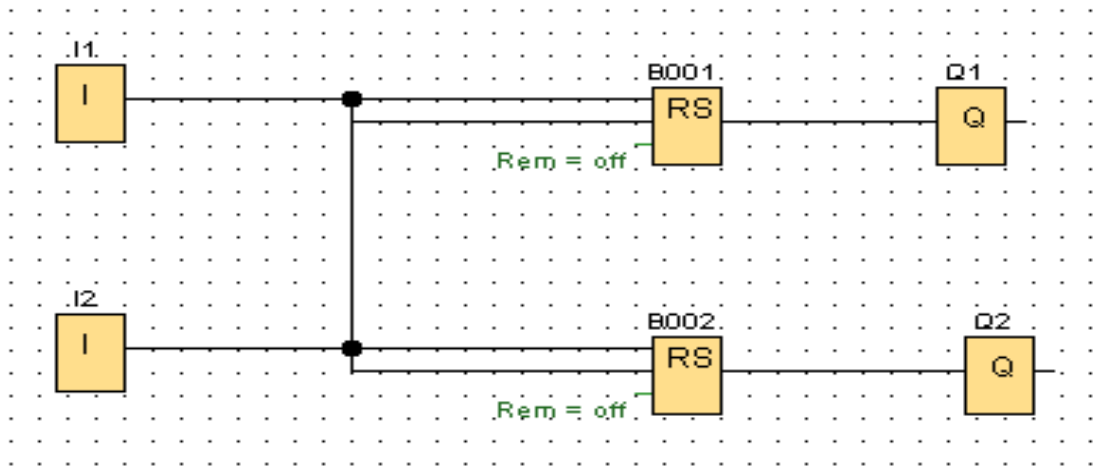
The main circuit and power circuit:

Main circuit   Power circuit

Ladder diagram

Other way of working

Discussion

Answer the following question:

1- Convert the LAD to FBD.
2- Write truth table.
3- Write status of all switches.
4- Write flow chart whole system.
5- Draw the interface circuit.

GOOD LUCK