Student Name: _____ N# _____ Date: _____

This hands-on assessment requires that each student successfully demonstrates each of these tasks to the instructor's satisfaction. There is no grade for this assessment.

Prior to taking this assessment, the student must pass (minimum of 80%) the Knowledge and Application Assessment.

The student cannot proceed to the HOA for the next module without completing this HOA

Check	#	Skills Task
_____	1.	Create a 5 rung program in a new project with comparison instructions. Load into the SLC-500 and go online to view the program.
_____	2.	Explain to the instructor the operation of the basic compares (LES, GRT, EQU, etc.)
_____	3.	Explain to the instructor the operation of the LIM instructions (circular and non-circular)
_____	4.	Explain to the instructor the operation of each rung of the 5 rung program.
_____	5.	Explain to the instructor the operation of a MOV and MVM instructions
_____	6.	Access the information in the first 9 data files of the SLC-500 project, and explain to the instructor what type of information would be stored in each file.
_____	7.	Interpret the hardware prints of a PLC based system.

Student Procedure:

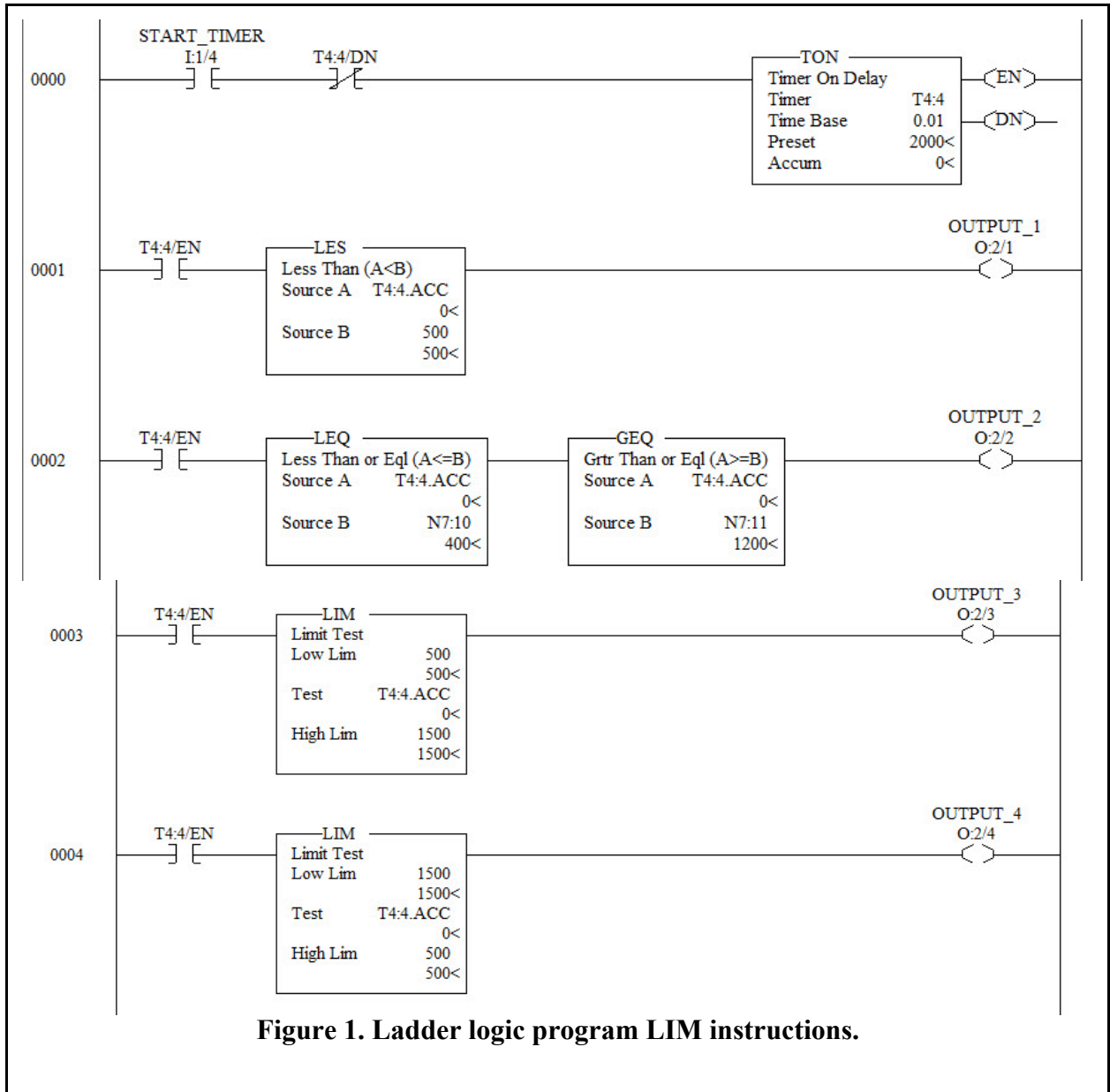1.   Create a new project, configure I/O, create the following program.

Figure 1. Ladder logic program LIM instructions.

2.   Load the project into the processor, then go online. Make sure you understand how the program works and how to access the data.

3.   Have the instructor come over and answer their questions on the project.

4.   Answer the instructor's questions on the MOV, MVM and basic math instructions.

5.   Answer the instructor's questions on the electrical print reading for module 4.

DOL DISCLAIMER: