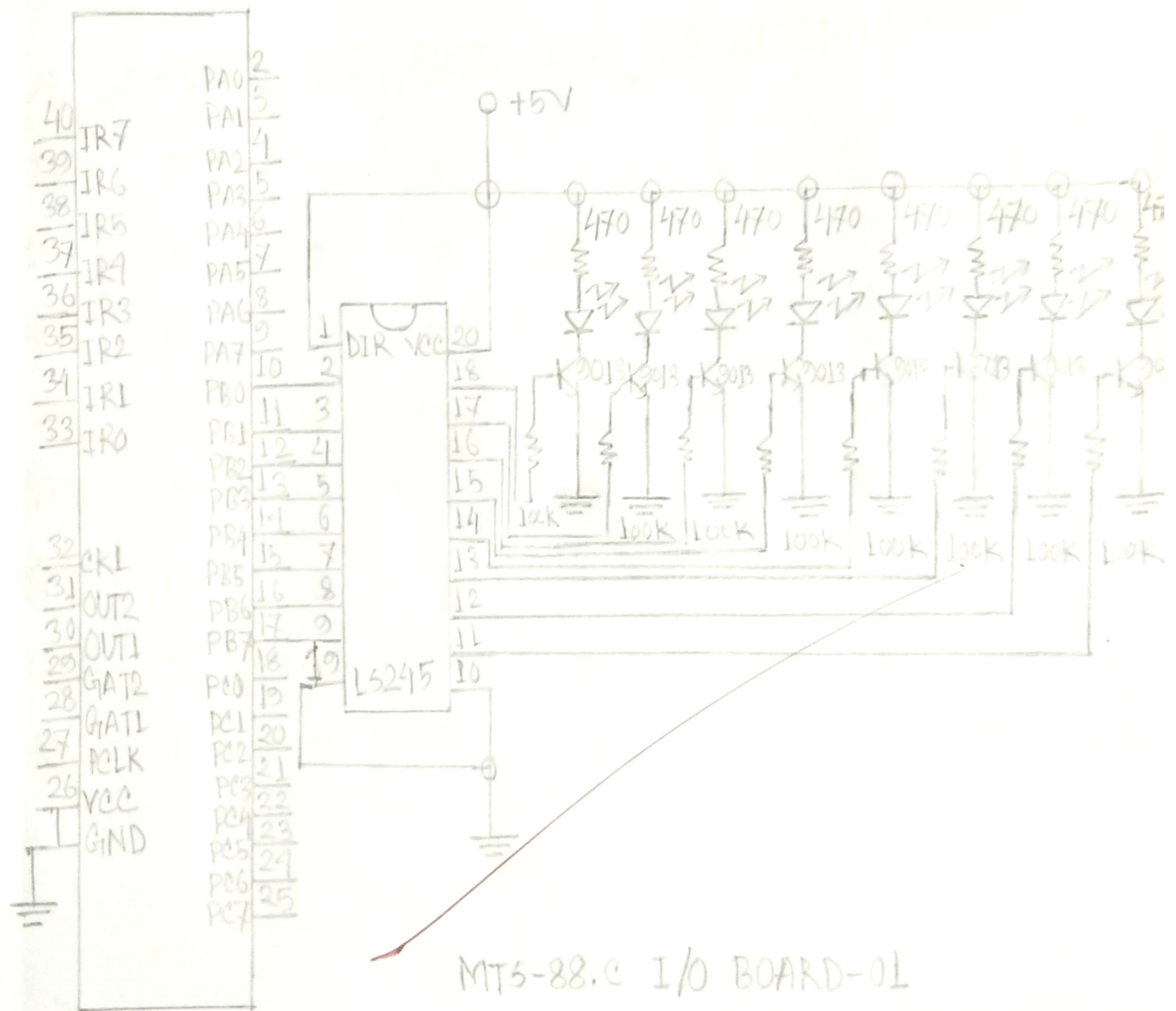Experiment Name; Write and execute a machine language program in MTS-86 trainer board and show simple Output operation.

Apparatus; MTS-88.C, I/O Board-01, Power Supply, and Multiplug.

Circuit diagram:

MTS-88.C I/O BOARD-01

J1/E1

Source Code:

```
MOV AL,80
OUT 13, AL
MOV AL, FF
OUT 11, AL
HLT
```

Experiment Result:

AL	LED7	LED6	LED5	LED4	LED3	LED2	LED1	LED0
1H	0	0	0	0	0	0	0	1
2H	0	0	0	0	0	0	1	0
4H	0	0	0	0	0	1	0	0
8H	0	0	0	0	1	0	0	0
10H	0	0	0	1	0	0	0	0
20H	0	0	1	0	0	0	0	0
40H	0	1	0	0	0	0	0	0
80H	1	0	0	0	0	0	0	0