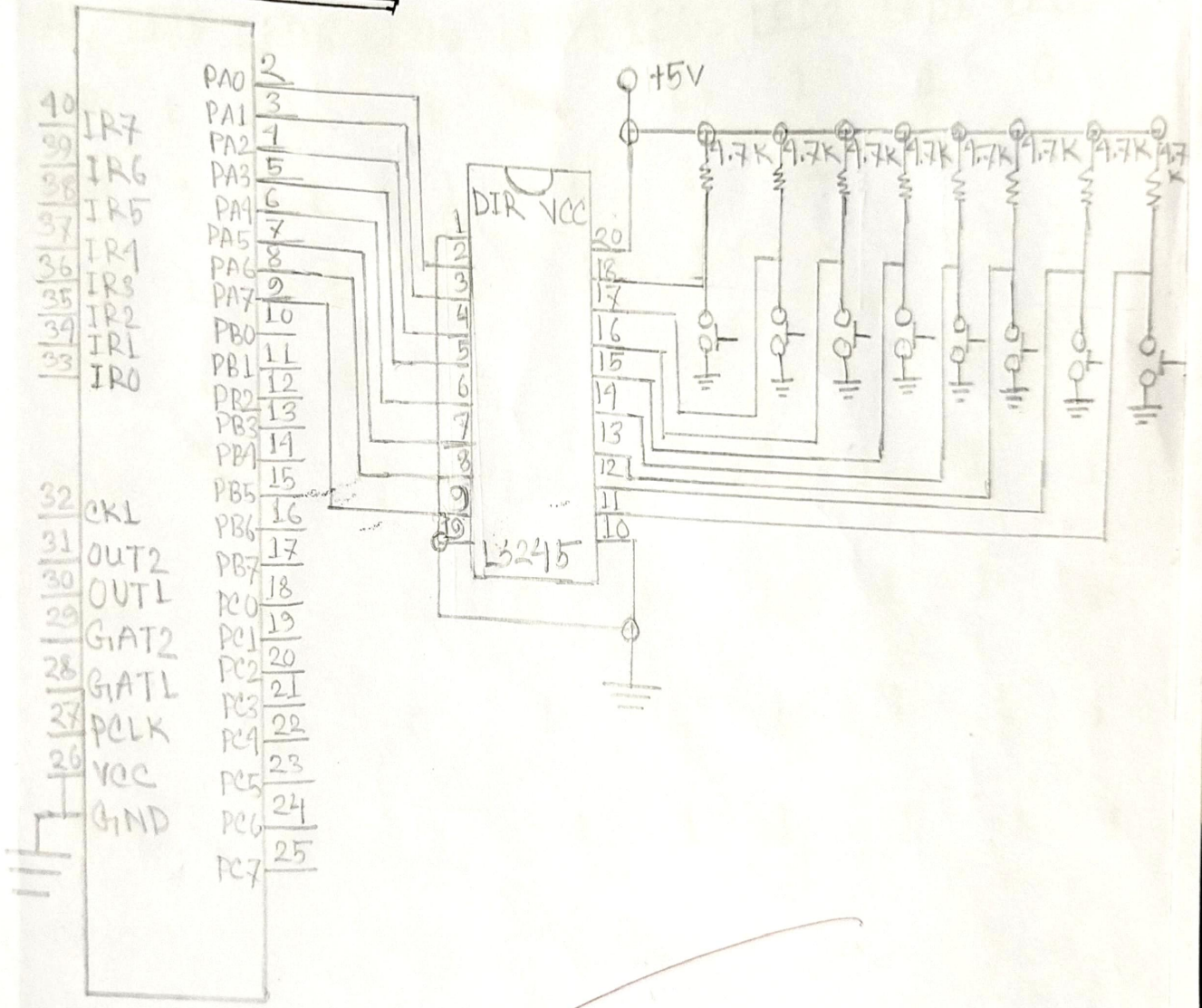


Experiment Name: Write and execute a machine language program in MTS-86 trainer board and show simple input operation.

Apparatus: MTS-88.C, I/O Board - 01, Power supply and Multiplug.

Circuit diagram:



JL/E2

MTS-88.C I/O BOARD-01

### Source Code:

```
MOV AL,90  
OUT 13,AL  
IN AL,10  
HLT
```

### Experiment Result:

AL	LED7	LED6	LED5	LED4	LED3	LED2	LED1	LED0
01H	1	1	1	1	1	1	1	0
02H	1	1	1	1	1	1	0	1
04H	1	1	1	1	1	0	1	1
08H	1	1	1	1	0	1	1	1
10H	1	1	1	0	1	1	1	1
20H	1	1	0	1	1	1	1	1
40H	1	0	1	1	1	1	1	1
80H	0	1	1	1	1	1	1	1