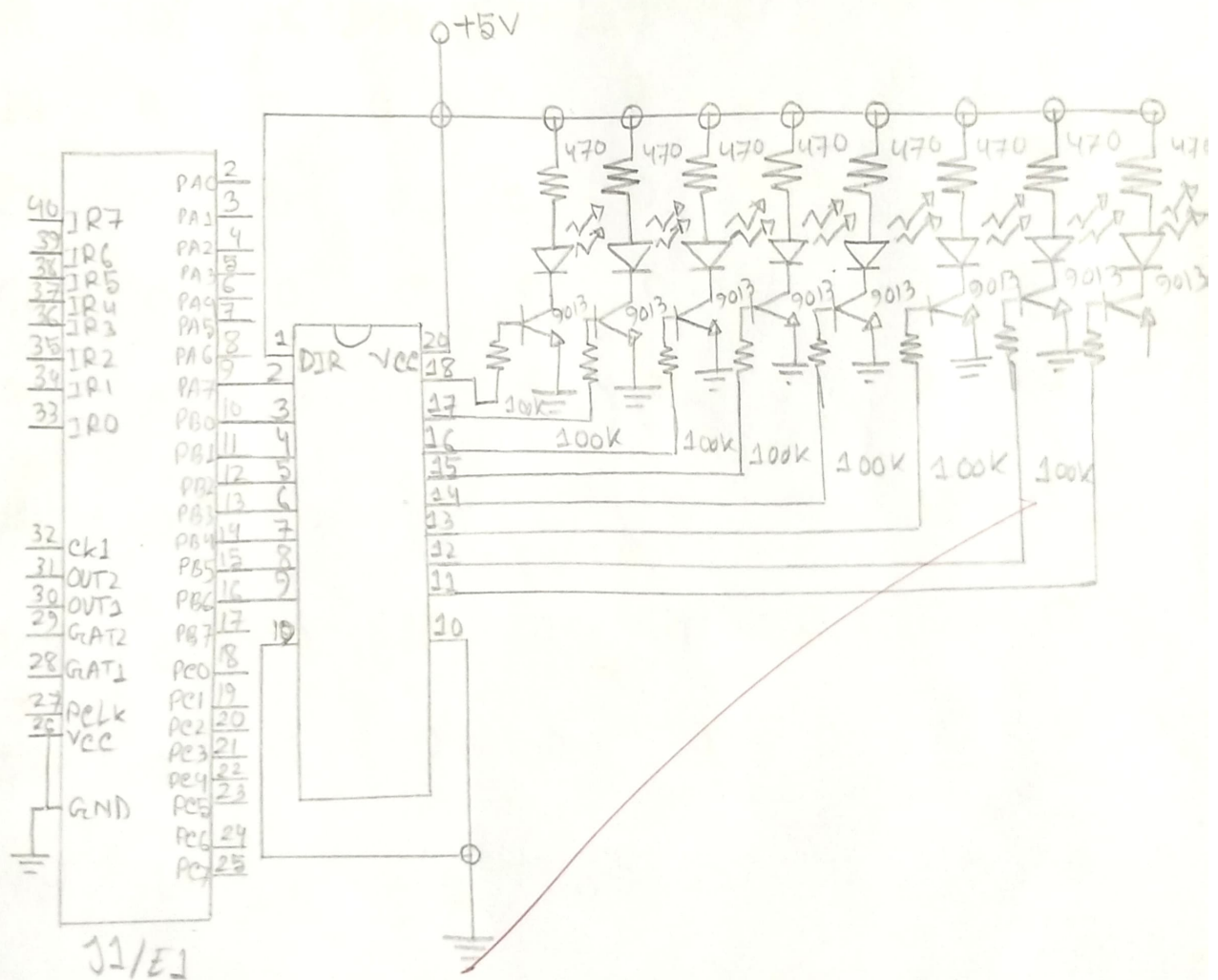


Experiment Name: Write and execute a machine language program in MTS-86 trainer board and show simple input output operation.

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

Circuit diagram:



MTS-88.C I/O Board - 01

Source Code:

```
MOV AL,90  
OUT 13,AL  
IN AL,10  
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
3H	0	0	0	0	0	1	0	0
4H	0	0	0	0	01	0	0	0
10H	0	0	0	1	0	0	0	0
20H	0	0	10	0	0	0	0	0
30H	0	1	0	0	0	0	0	0
80H	1	0	0	0	0	0	0	0

