

Experiment # 4

Parallel to serial converter

1- Introduction:

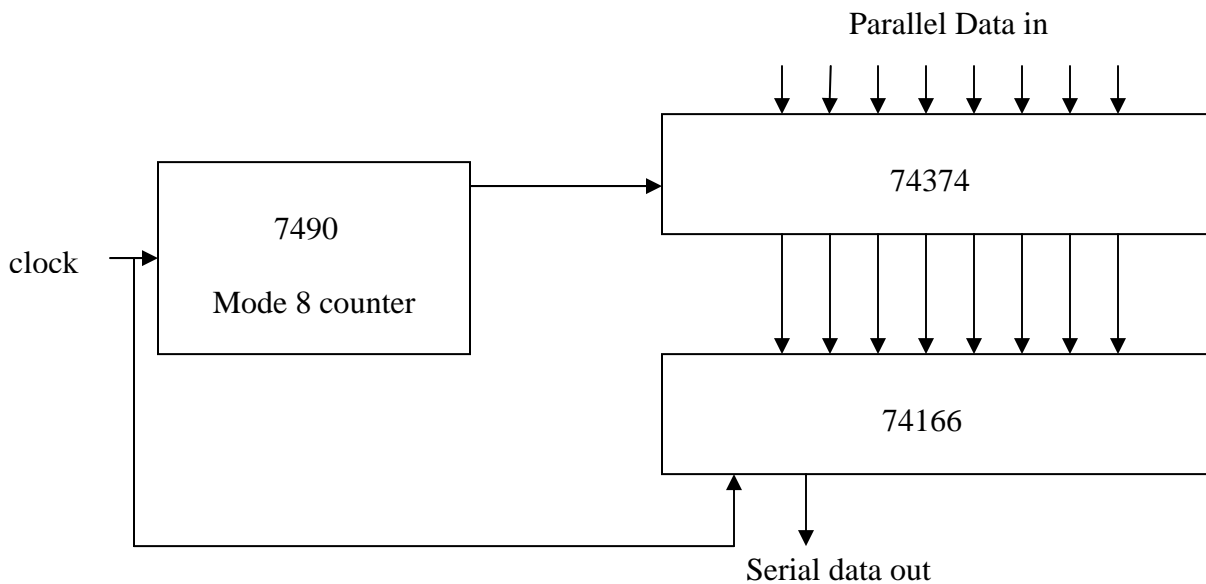
This is a simple method to convert a parallel data that have been entered to the circuit into serial one.

2- Equipment:

Type of IC	description
74374	Octal D-flip-flop
7490	Decade Counter
74166	8 bits parallel to serial Shift registers

3- Procedure:

- The function diagram is following :



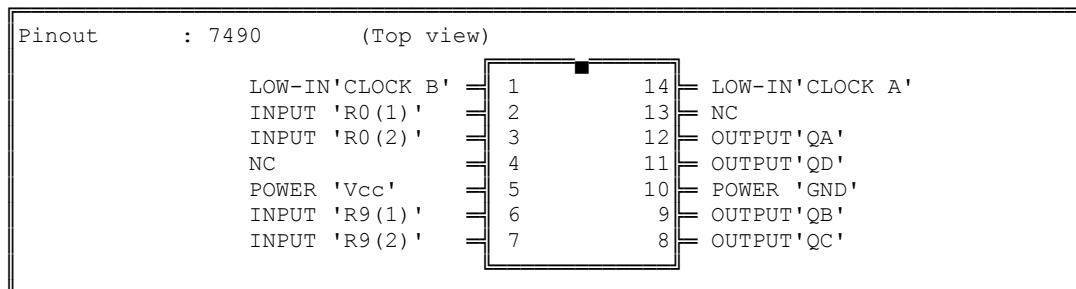
- Derive the wiring diagram.
- Connect the circuit given by the function diagram according to the derived wiring diagram.
- Check if the circuit works properly.

4- Conclusions:

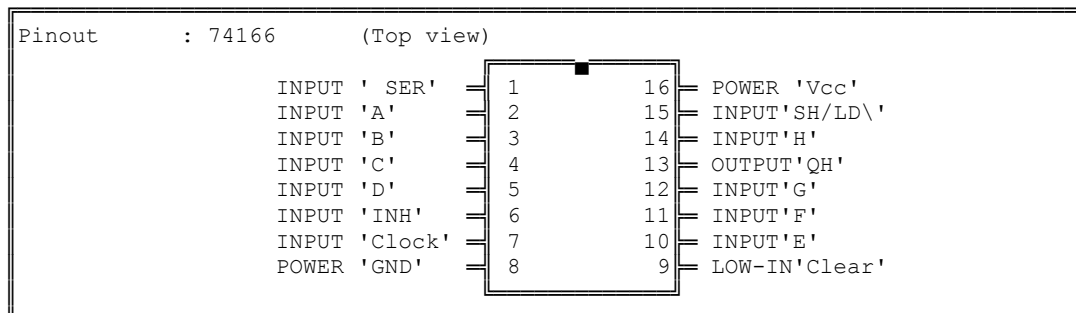
Write your conclusions about the experiment.

5- Pin-out for ICs:

Function: Decade Counter



Function: 8 bits parallel to serial Shift registers



Function: Octal D Flip-Flop

