"familianize with three state buffer negisters connected to the bus".

Objectives:

- 1) To know about three state butter register
- 11) To know about registers connected to bus
- 10) To implement 4. bit RTL
- 10) To perform different topes of operation.

Introduction In digital electronics there state, this state, logic allows an output on input to assume a high impedance state, effectively removing the output from the circuit, in addition to the o and I logic levels, the circuit, in addition to the o and I logic levels, this allows multiple circuits to share the same output line on lines.

Truth table normally ofm.

ENABLE	Din	Dout
0	×	Open
1	0	10
1	1	1

Din Pout

Fig1: Monnally open.

Table 2: Normally closed

DISABLE	Din	Dout
0	0	0
0	1)
1	×	Open

Disable.

fig 2: normally dold

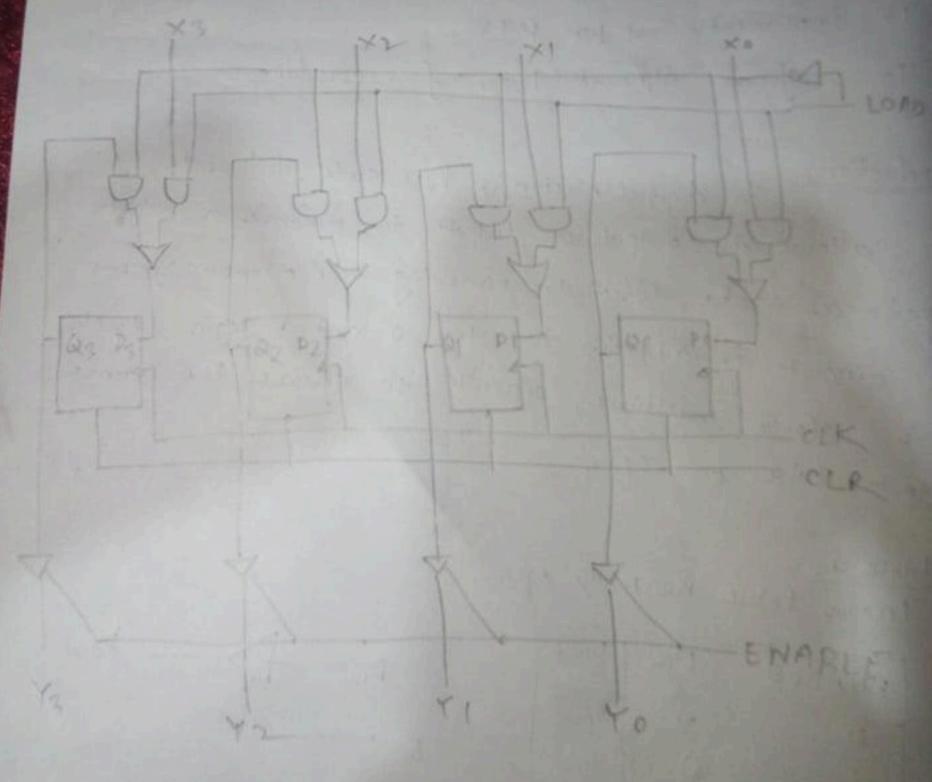
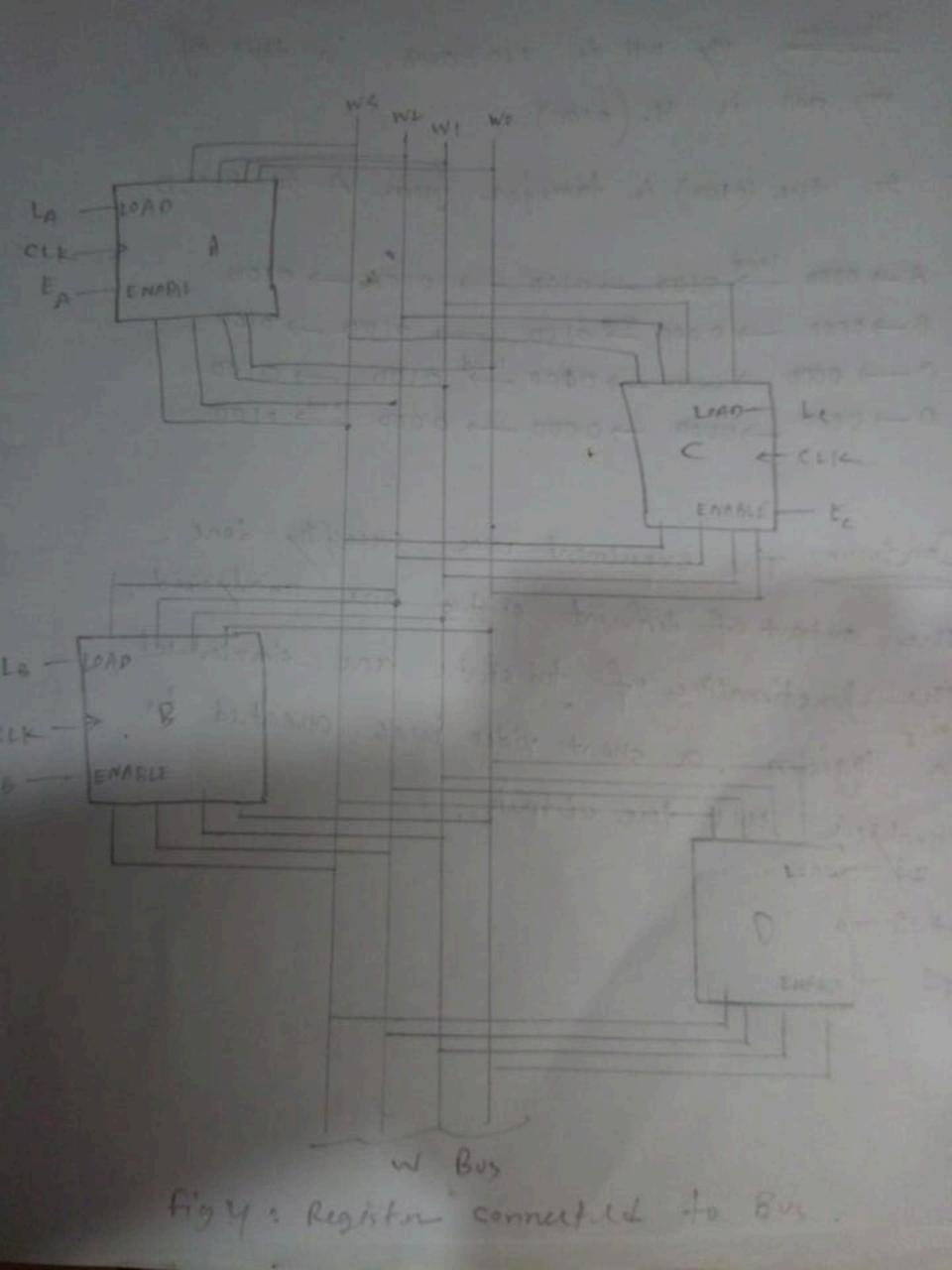


figure 3: three state butter mysister



Discussion my not is 1507048. a digit of my 17011 is 4. (0100).

so, the (0100) is tamsfer from A to B, C, D.

 $A \rightarrow 0000 \xrightarrow{100d} 0100 \rightarrow 0100 \rightarrow 0100 \rightarrow 0100$ $B \rightarrow 0000 \rightarrow 0000 \xrightarrow{100d} 0100 \rightarrow 0100 \rightarrow 0100$ $C \rightarrow 0000 \rightarrow 0000 \rightarrow 0000 \xrightarrow{100d} 0100 \rightarrow 0100$ $D \rightarrow 0000 \rightarrow 0000 \rightarrow 0000 \rightarrow 0000 \xrightarrow{100d} 0100$

Conclusion: The experiment was successfully done.

The output of different storbes are analysised.

The functionalitie of this storbe are simulabled in logision. a short video iswas are all to visuality and the outputs.