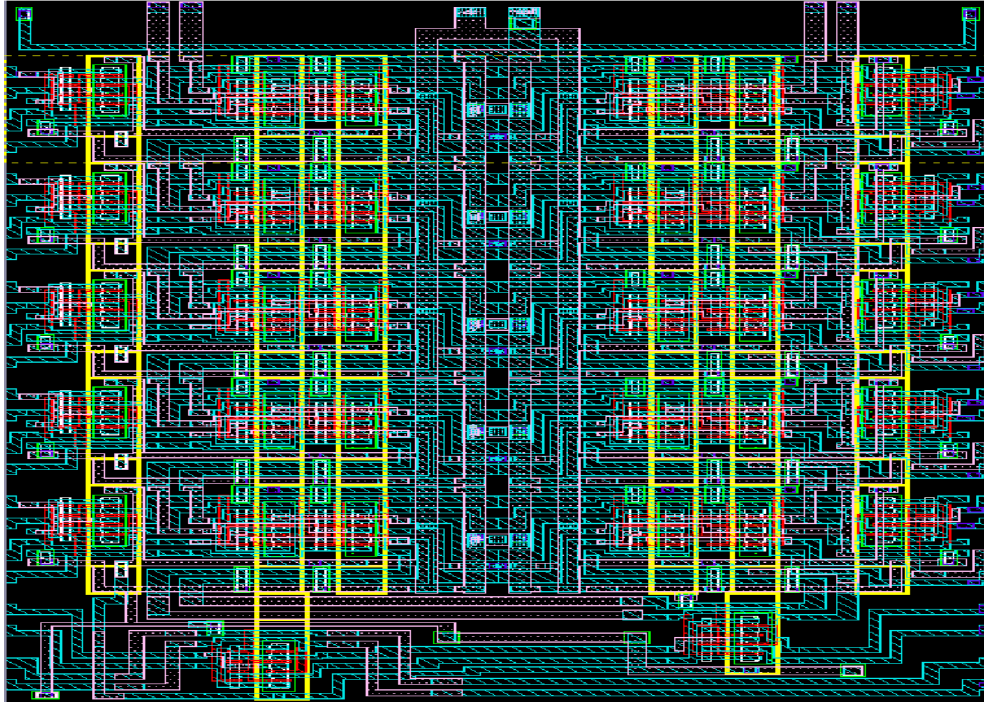


DIGITAL LOGIC DESIGN



Lab Manual – 07

Topic:

Understanding and Code Converters

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Understanding and designing Code Converter:

Lab Task:

Draw truth tables and circuit diagrams for a code converter which takes input from 0 to 4 and converts it as following:

Input	Output
0(000)	7(111)
1(001)	5(101)
2(010)	3(011)
3(011)	6(110)
4(100)	1(001)

Implement the circuit on the board.

Instructions:

- **Show your work:** Make sure you have shown your work to respective TA in the lab before leaving it.
- **Clean Up Workspace:** Ensure your workstation is clean and organized. Clear away any papers, or materials used during the lab session.
- **Turn Off Equipment:** Power down all equipment.
- **Secure Components:** Place all physical components such as wires, ICs at their designated places. Do not leave components lying around on the workbench.
- **Return Borrowed Equipment:** Return the ICs and other equipment taken from server room.
- **Save Work:** Follow the instruction given in the lab regarding saving your work.
- **Dispose of Waste:** Dispose of any non-recyclable items, in the designated waste bins. Recycle any recyclable materials according to lab guidelines.
- Follow any additional instructions provided by the lab instructor or TAs regarding lab cleanup and departure procedure.