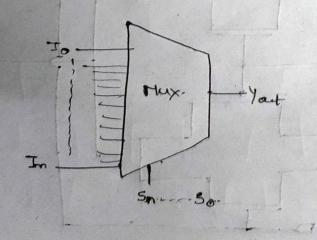
JAIM + Designing of HXI Hulliplexes using cross
Technology in Cadence vistuoso.

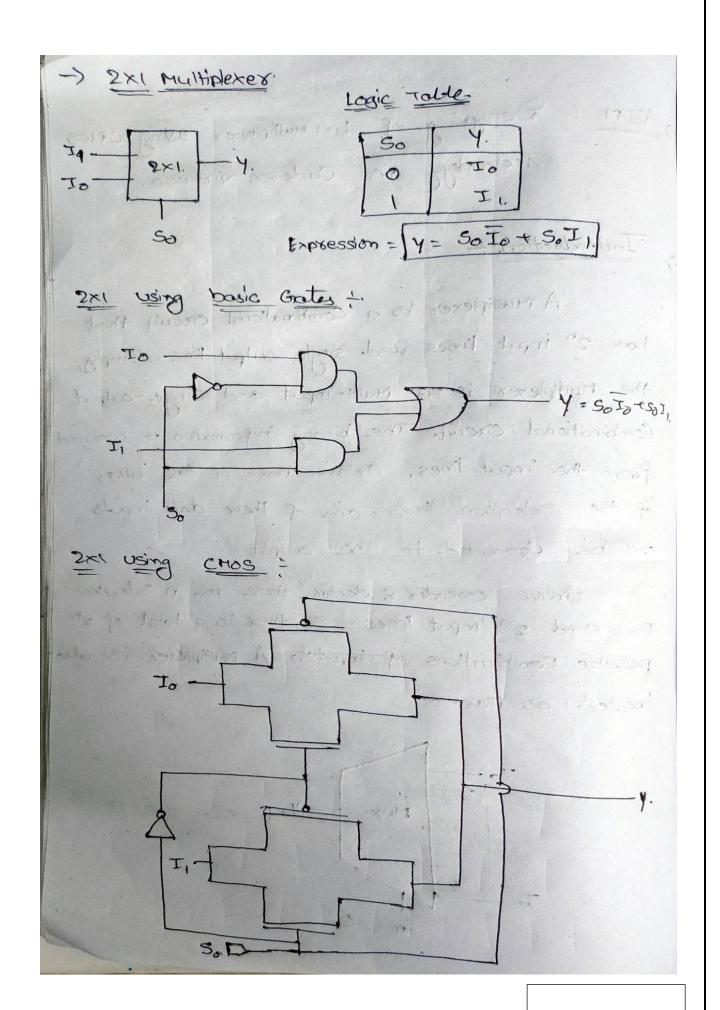
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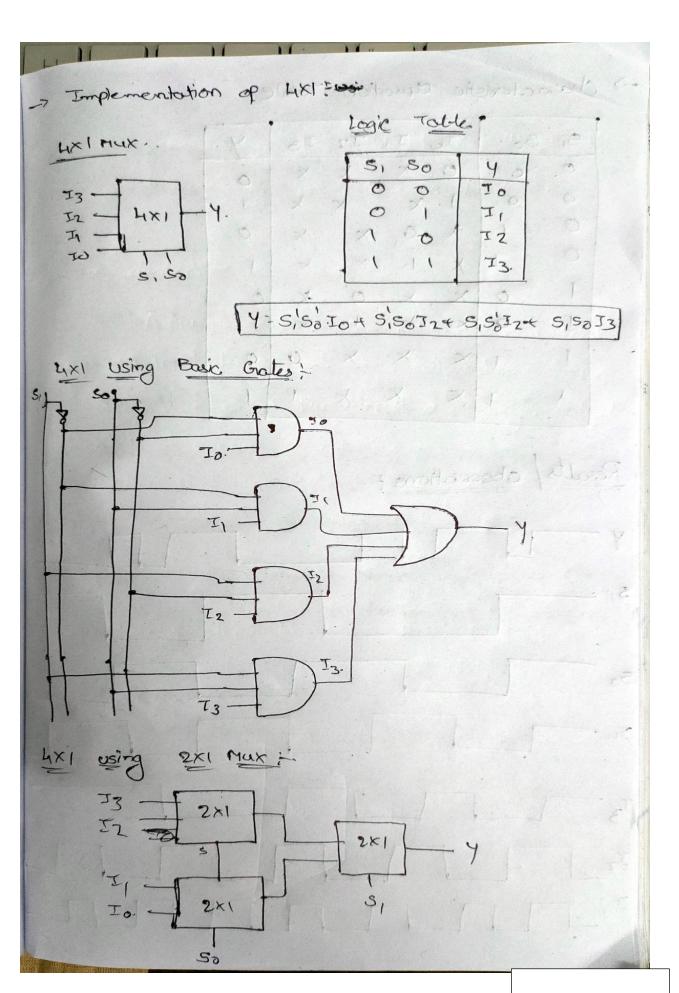
Introduction + 1

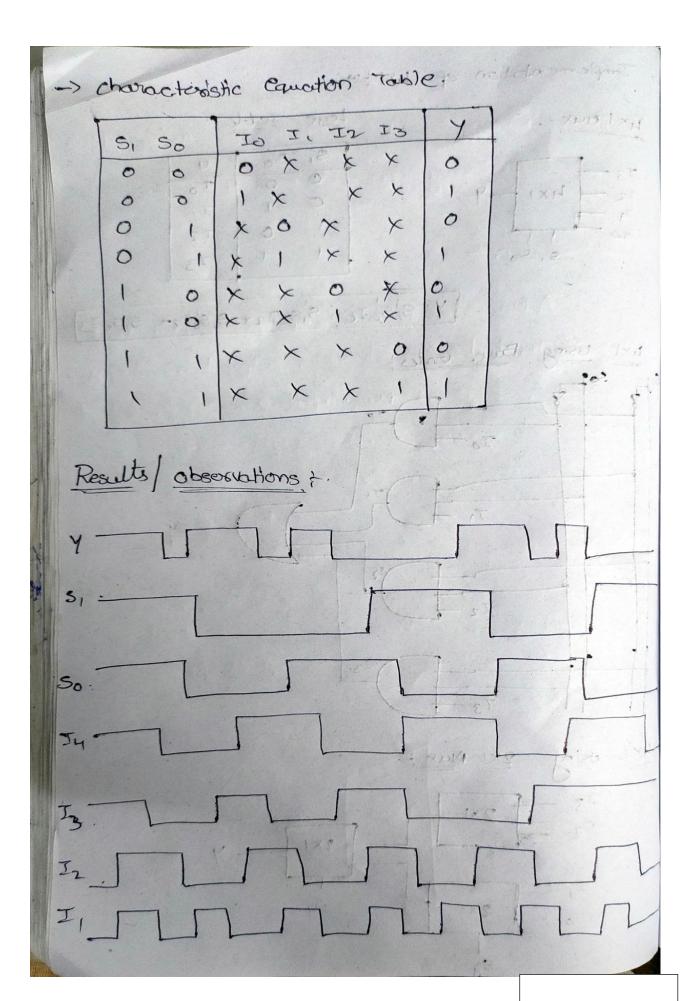
A multiplexes is a Combinational circuit that has 2" input lines and single output line. Simply, the Multiplexes is a Multi-input and single-output Combinational circuit. The binary impromation is received from the input lines. On the basis of the values of the selection lines, one of these data inputs will be corrected to the output.

Unlike encoder & dector, there are n selection lines and 2n input lines. So, there is a total of 2n possible combinations of inputs. A multiplexer is also treated as thur.







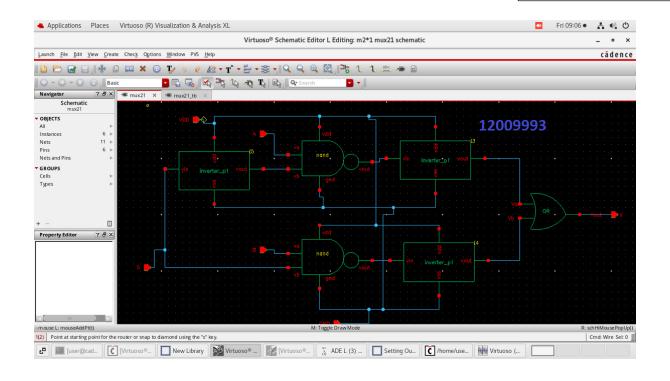


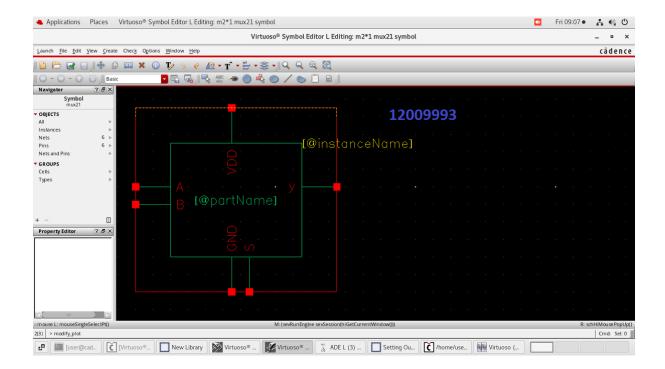
-> Learning Outcomes :.

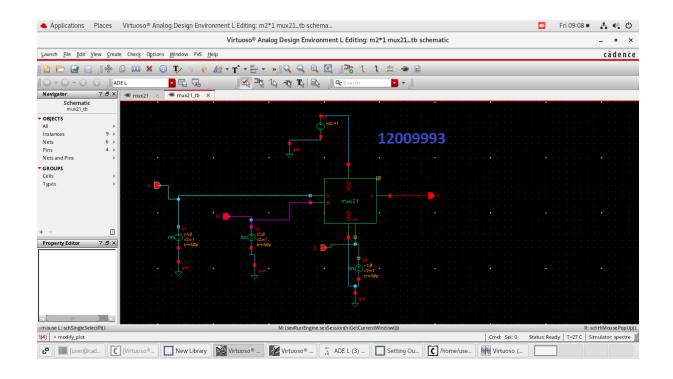
- * We have bearned about the Implementation of Multiplicizess using cros Technology.
- * working & Junetionalities of Multiplexes.
- Designing of multiplexers in various types like Using Baic gates, using cros, & from one mux to another multiplexex.
- * Logic tables & Expressions of Multiplexess.
- * work from of the various multiplexess.
- -) Applications of multiplexess:
 - * Multipleness once used in various applications where multiple data need to be transmitted by using a Single line.
 - * Communication Systems.
 - * Computed Memby & Telephone Networks.
 - * Transmission from the Computer System of a Satellite.

Schematics from cadence virtuoso 2*1 mux

12009993-sandeep









4*1 mux



