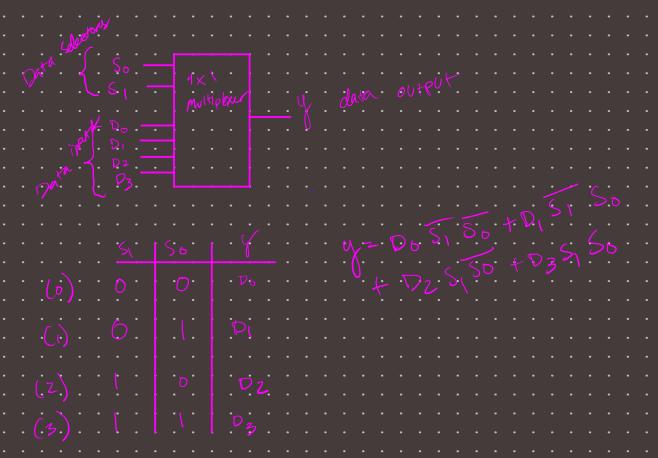
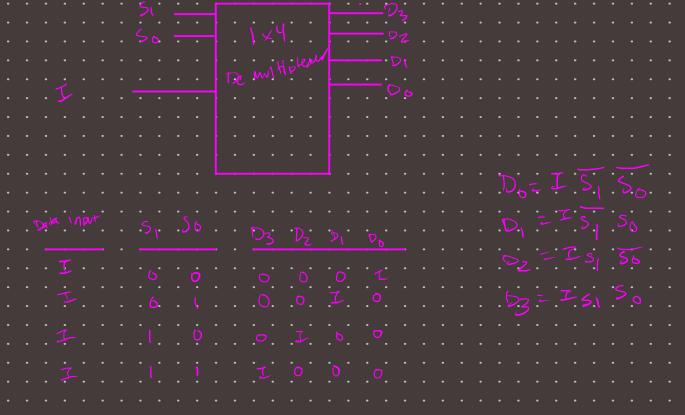
Multiplexer is a combinational circuit that has a maximum of 2^n data inputs. 'n' selection lines and single output line. One of these data inputs will be connected to the output based on the values of selection lines.



De-Multiplexer is a combinational circuit that performs the reverse operation of Multiplexer. It has single input, 'n' selection lines and maximum of 2<sup>n</sup> output lines. The input will be connected to one of these outputs based on the values of selection lines.



Data in: 1, 6, 1, 0, 6, 1, 1

So = 0, 1, 0, 1, 6, 1, 0, 1

So = 0, 6, 1, 1, 0, 0, 1, 1

.01

.02.\_\_\_\_\_

[P3] : \_\_\_\_\_\_