CS 303 Logic and Digital System Design Sessions : 18/02/2025
In-lab Assignment #0 (A)

Distributive Law in *Digital*

Prove that addition (+) is distributive over multiplication ($\cdot$) by constructing two circuits to implement

- $x + yz$
- $(x + y) \cdot (x + z)$

and applying the same inputs x, y and z to the inputs of both circuits. Toggle inputs to generate all possible input combinations and observe that both circuits generate the same result.

Submit the *.dig* file you have created.

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