Digital circuit design notes

Vikas Dhiman for ECE275¹

January 27, 2025

¹The notes are from the following books [1, 2]. Not intended for distribution outside the class.

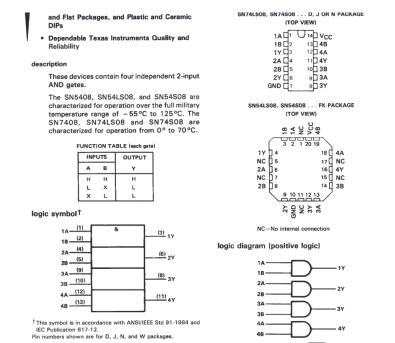
Contents

1	Imp	plementation	3
	1.1	Buy gates	3
		FPGA [2, Section B.6.5]	4

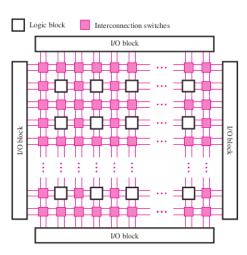
Chapter 1

Implementation

1.1 Buy gates



1.2 FPGA [2, Section B.6.5]





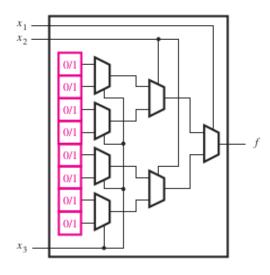


Figure B.37 A three-input LUT.

Bibliography

- [1] Sarah L Harris and David Harris. Digital design and computer architecture. Morgan Kaufmann, 2022.
- [2] Brown Stephen and Vranesic Zvonko. Fundamentals of digital Logic with Verilog design. McGraw Hill, 2022.