

Exercises for Lecture 2

I'd recommend you do all the exercises in a group, giving you a chance to get a better understanding by discussing them. However Exercise 6 and bonus are especially important to discuss with some of your fellow students.

Exercises start on page 95 in the book

Exercise 1: Truth table and n,p-transistors

Do 3.1, 3.2 and 3.5 from the book

Exercise 2: Deeper understanding of transistors to gates

Do 3.8 and 3.10 from the book

Exercise 3: Understanding of gates

Do 3.13, 3.14 and 3.15 from the book

Exercise 4: Complex gate systems

Do 3.18, 3.19 and 3.22 from the book

Exercise 5:

Do 3.30.A, 3.37 and 3.38 from the book

Exercise 6: Do in group

Look at the figure 3.18 on page 73, figure 3.19 p75, figure 3.21 p78 and make sure you all have the same understanding of the systems.

Bonus

Figure 3.35 p94 look, discuss, understand.