

Dipartimento di Elettronica e Telecomunicazioni

Exercises and Homeworks for the course Integrated Systems Architecture

Master degree in Electrical Engineering

Authors: Group ISA22

Marco Andorno, Michele Caon, Matteo Perotti, Giuseppe Sarda

Contents

1							
	1.1	Simula	ating an inverter				
	1.2	Simula	ating a NAND gate				
	1.3	Simulating an OR gate					
1.4 Simulating an EXOR gate							
2		Next chapter					
	2.1	Exam	ple for using some latex feature				
		2.1.1	Example of an itemize				
		2.1.2	Eample of an enumeration				
		2.1.3	example of a description				
		2.1.4	Example of a table:				
		2.1.5	Example of a small equation:				

CHAPTER 1

1.1 Simulating an inverter

The result of the simulation is shown in Figure 1.1.



Figure 1.1: Caption for my first figure

As it can be observed the output \dots

bla bla including comments between this ''verbatim'' commands you can ingore latex commands

- 1.2 Simulating a NAND gate
- 1.3 Simulating an OR gate
- 1.4 Simulating an EXOR gate

CHAPTER 2

Next chapter ...

2.1 Example for using some latex feature

2.1.1 Example of an itemize

- this is the first item
- this is the second item...
- if you want to change the point of the item do as in the following ite:
- whithin squared parentheses you can put a sign you like

2.1.2 Eample of an enumeration

- 1. this is the first point
- 2. the second.....

2.1.3 example of a description

latex is a powerful editing and formatting language, whaich helps you at writing reporte, books, letters, or whatever, just using the brain once at the beginning; it comes for free, and is completely portable

word is an awful terrible and nasty editing suite, it is proprietary, not portable, it occupies a lot of space, you go mad with formatting, and very often you loose you work all in a sudden.

2.1.4 Example of a table:

Other features are available for table formatting: just refer to the manuals. For what concerns equations: what do you think about the word equation editor? Well, whatever you will try to do, you will loose your afternoom on it, and still you are not sure it will have a decent aspect. The equation suite in latex is extremely powerful, and her you anly a very small example: refer to the manuals and to AMS-MATH suite for help.

pippo	pluto	indiana pipps	gilberto de pippis
topolino	minni	tip	tap
paperino	paperina	orazio	clarabella
qui	quo	qua	ottoperotto
zio paperone	gastone	paperoga	battista

Table 2.1: A caption for your table

2.1.5 Example of a small equation:

writing an equation on line is easy $a \cdot \int_0^\infty i(t) \frac{di}{dt}$ while if you want to better display it just include it in this way:

$$a \cdot \int_0^\infty i(t) \frac{di}{dt}$$

and finally if you want to refer and number the equation as the 2.1 then the syntax is:

$$a \cdot \int_0^\infty i(t) \frac{di}{dt} \tag{2.1}$$

CHAPTER 3

... and so on...