Facultad de Informática
Universidad Complutense de Madrid

The student **must bring this notebook correctly filled at the beginning of the corresponding lab session**, where it must be shown to the assistant professor. The circuit cannot be built if this form is not completed or is incorrect.

Introduction to Computers

Notebook - Lab 1

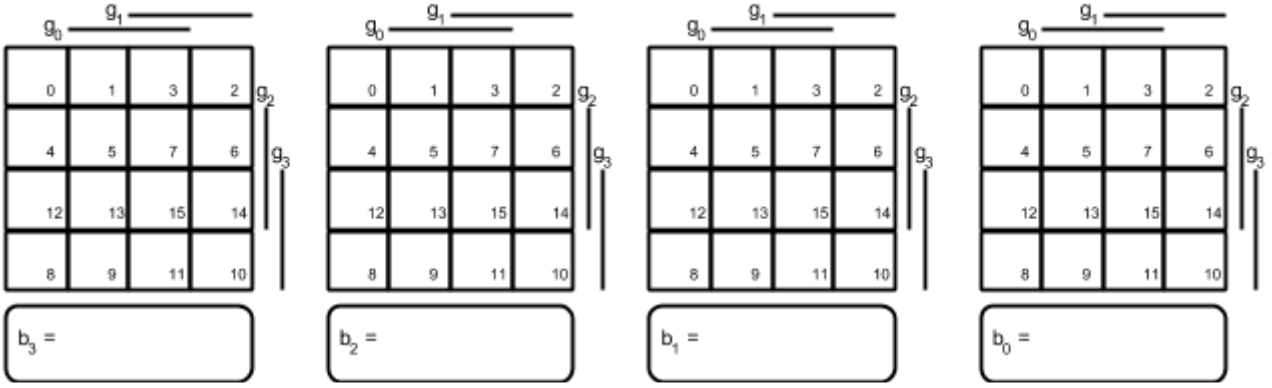
4-bit Gray code

N	g3	g2	g1	g0
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Converter truth table

g3	g2	g1	g0	b3	b2	b1	b0
0	0	0	0				
0	0	0	1				
0	0	1	0				
0	0	1	1				
0	1	0	0				
0	1	0	1				
0	1	1	0				
0	1	1	1				
1	0	0	0				
1	0	0	1				
1	0	1	0				
1	0	1	1				
1	1	0	0				
1	1	0	1				
1	1	1	0				
1	1	1	1				

Karnaugh Maps



Design

Define for each element and port the associated IC number and the corresponding pin