

Universidad del Caribe

2000

CANCUN, QUINTANA ROO, MÉXICO

CONOCIMIENTO Y CULTURA PARA EL DESARROLLO HUMANO

Rodrigo Oropeza Estrada

190300432

Ing. Datos e Inteligencia Organizacional

Profesor: Tuxtter

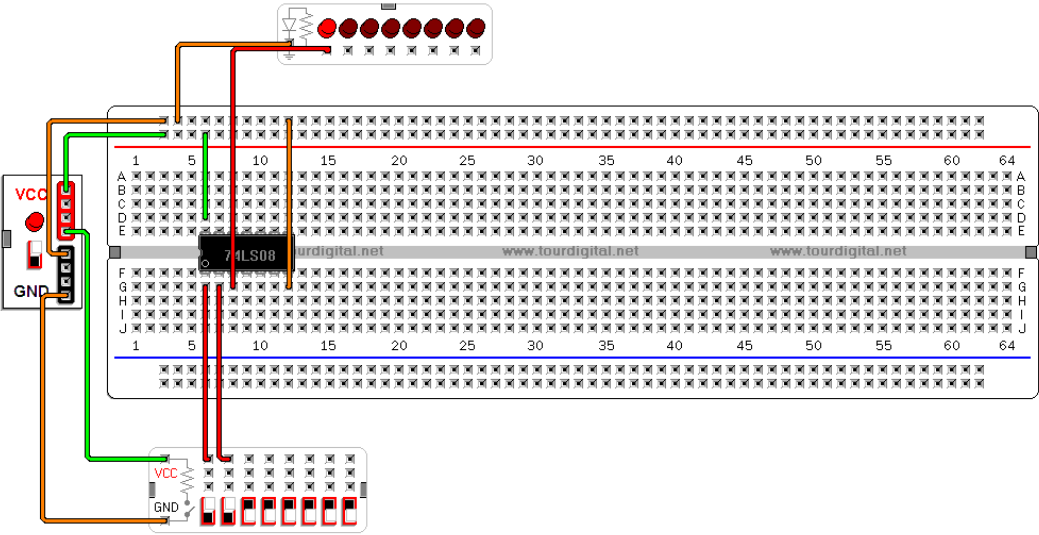
Universidad del Caribe

Organización y diseño de computadoras

Tarea #991 circuitos digitales

4to semestre

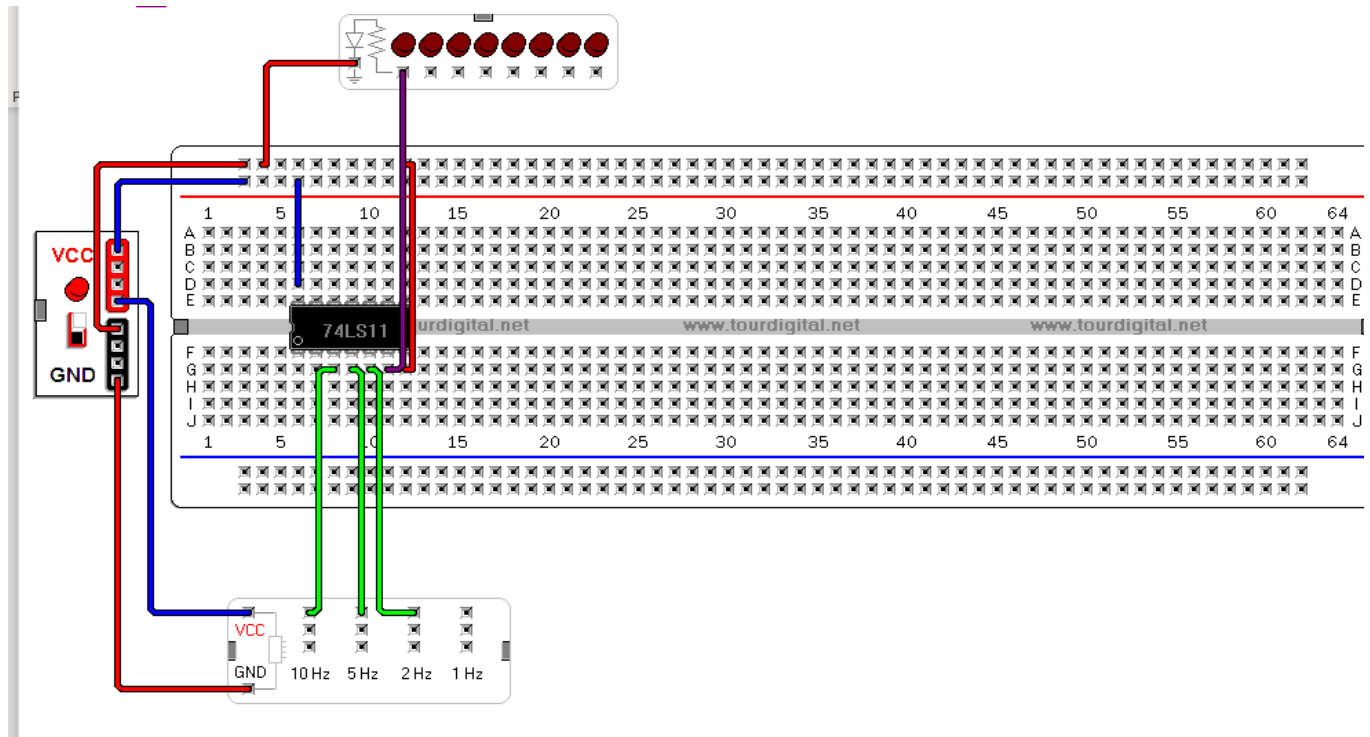
1. And 2 entradas x4



P

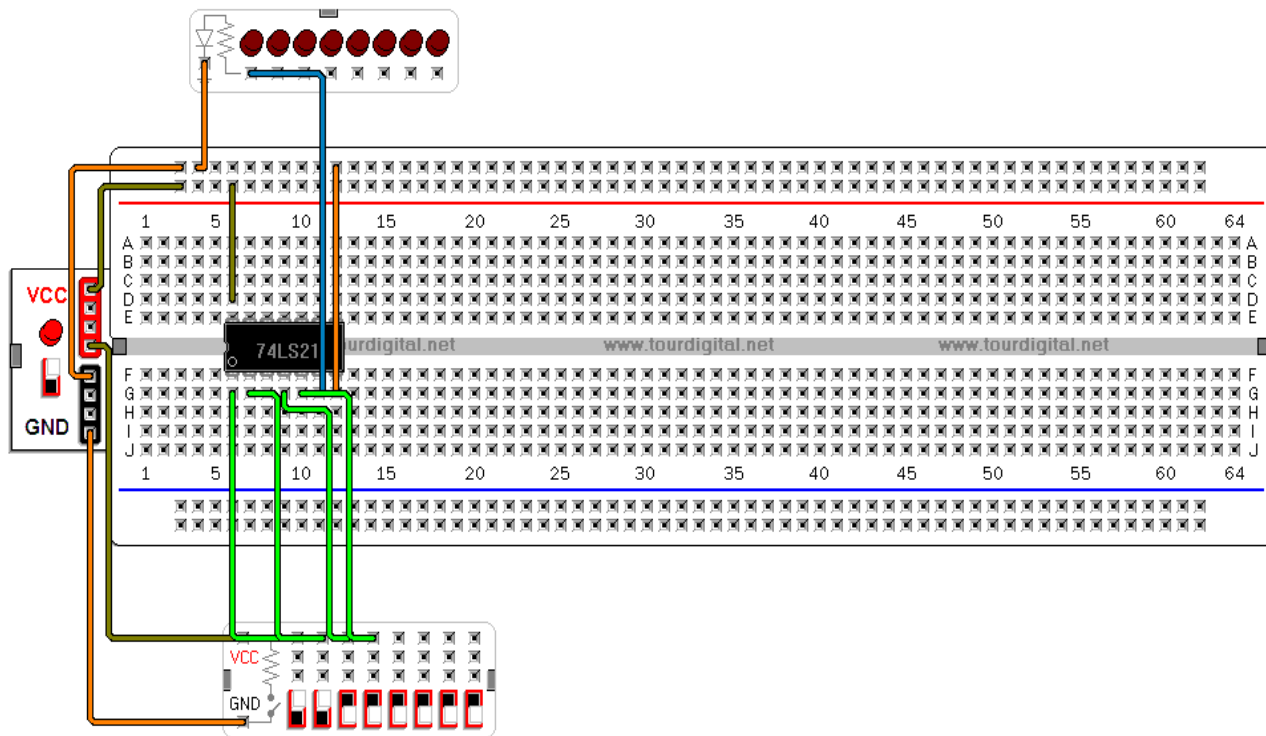
P	Q	V
1	1	1
0	0	0
0	1	0
0	0	0

2. And 3 entradas (x3)



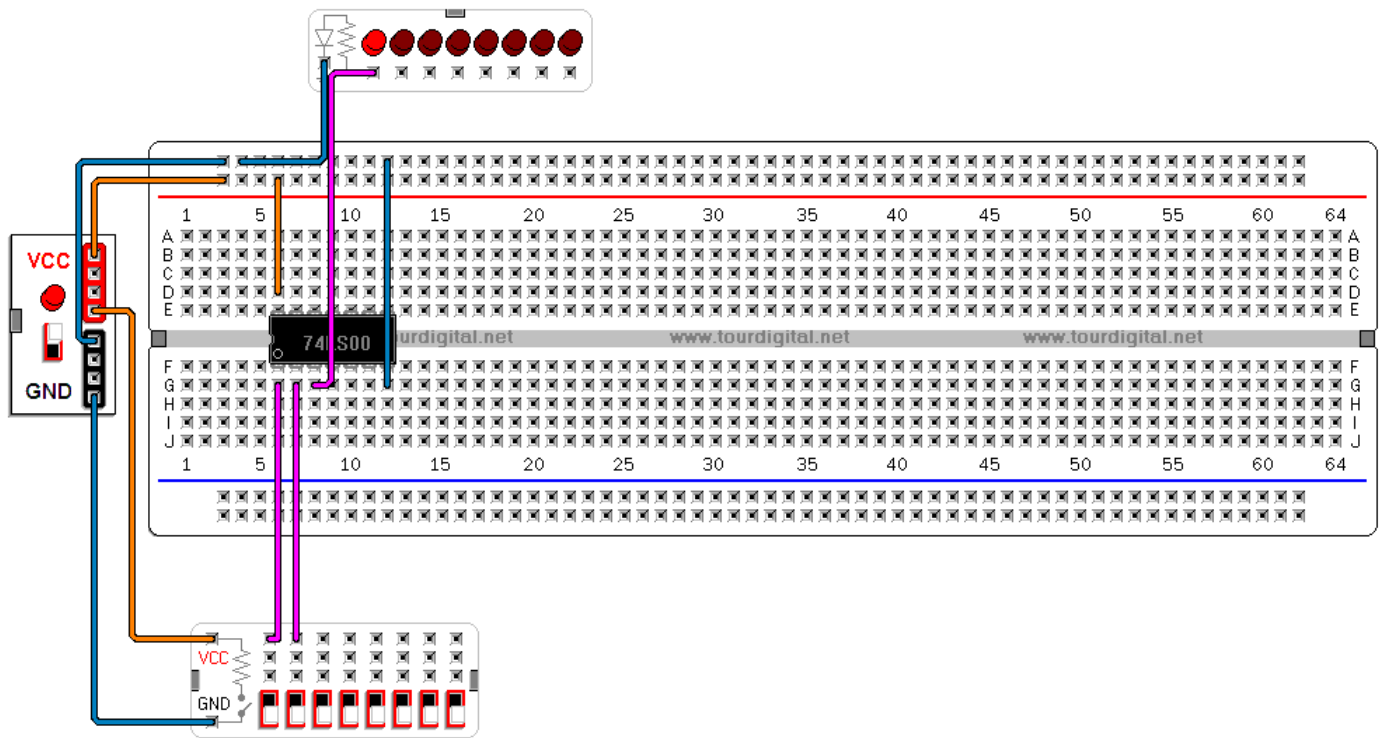
P	Q	R	S
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0	1	0	0
0	0	1	0
0	0	0	1
0	0	0	0
0	0	0	0
0	0	0	0
0	0	0	0

3. And de 4 entradas x2



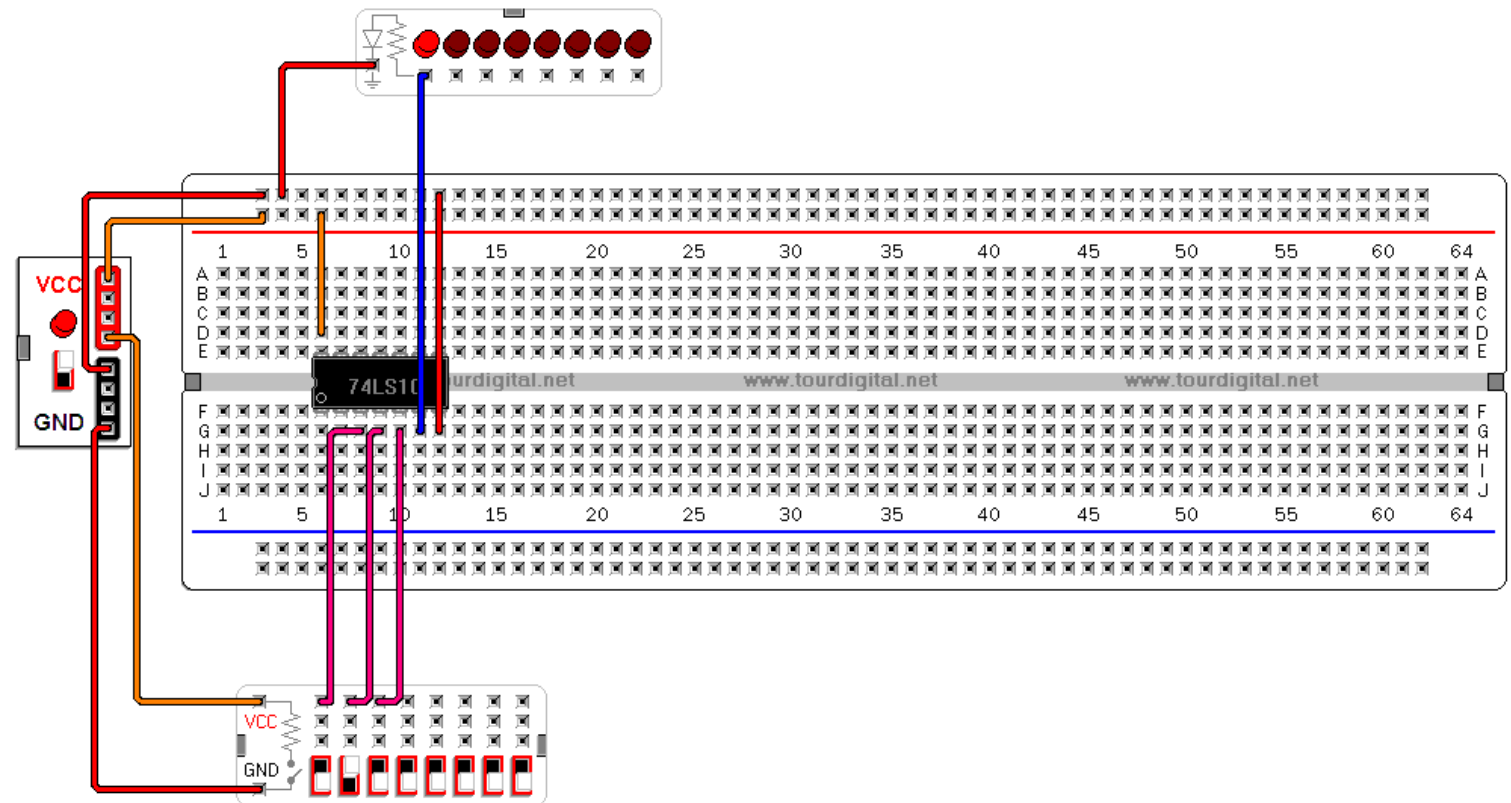
P	Q	R	S	RES
1	1	1	1	1
1	1	1	0	0
1	1	0	1	0
1	1	0	0	0
1	0	1	1	0
1	0	1	0	0
1	0	0	1	0
1	0	0	0	0
0	1	1	1	0
0	1	1	0	0
0	1	0	1	0
0	1	0	0	0
0	0	1	1	0
0	0	1	0	0
0	0	0	1	0
0	0	0	0	0

4. Nand de 2 entradas x 4



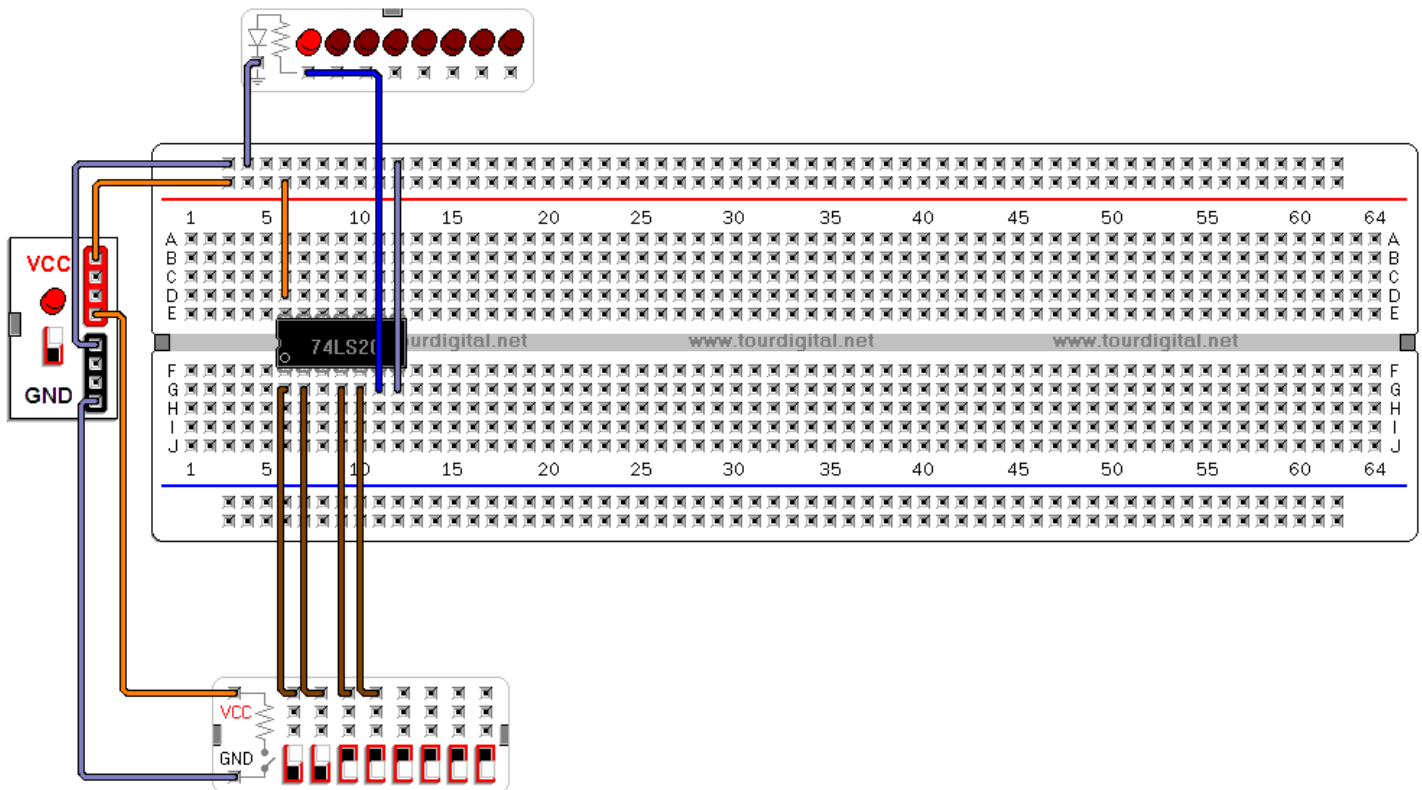
P	Q	RES
1	1	0
1	0	1
0	1	1
0	0	1

5. Nand 3 entradas x3



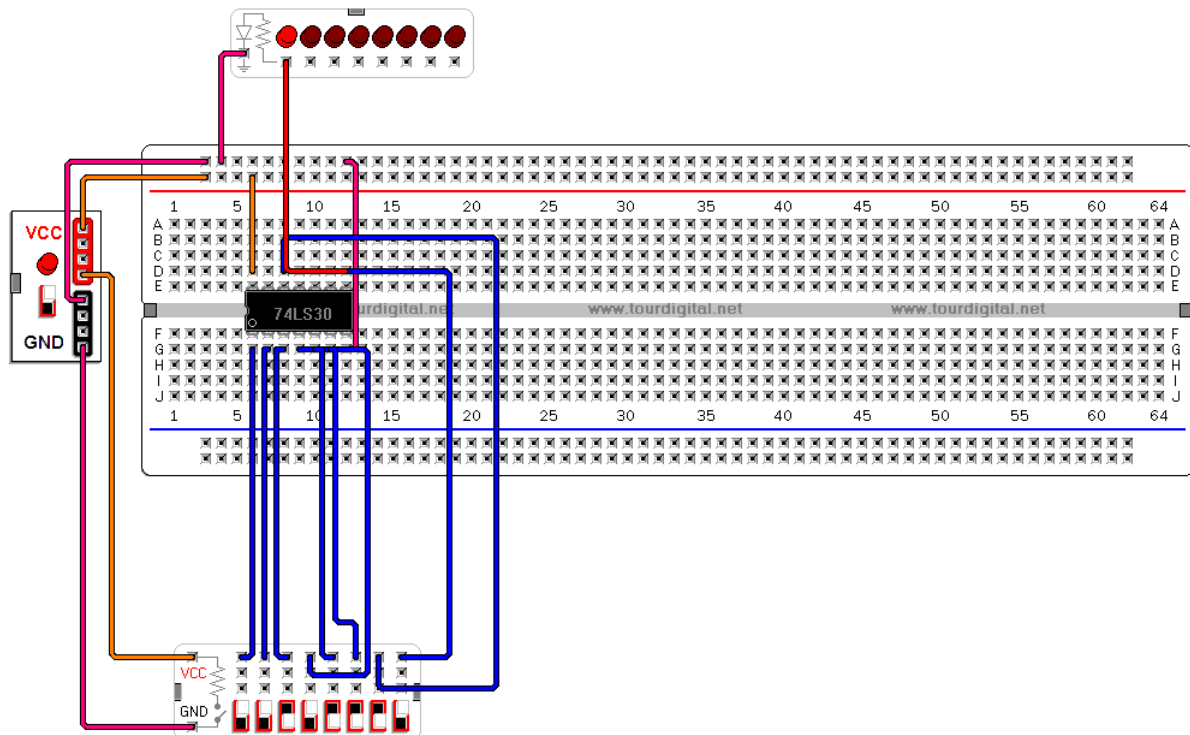
P	Q	S	RES
1	1	1	1
1	1	0	1
1	0	1	1
1	0	0	1
0	1	1	1
0	1	0	1
0	0	1	1
0	0	0	1

6. Nand de 4 entradas x2

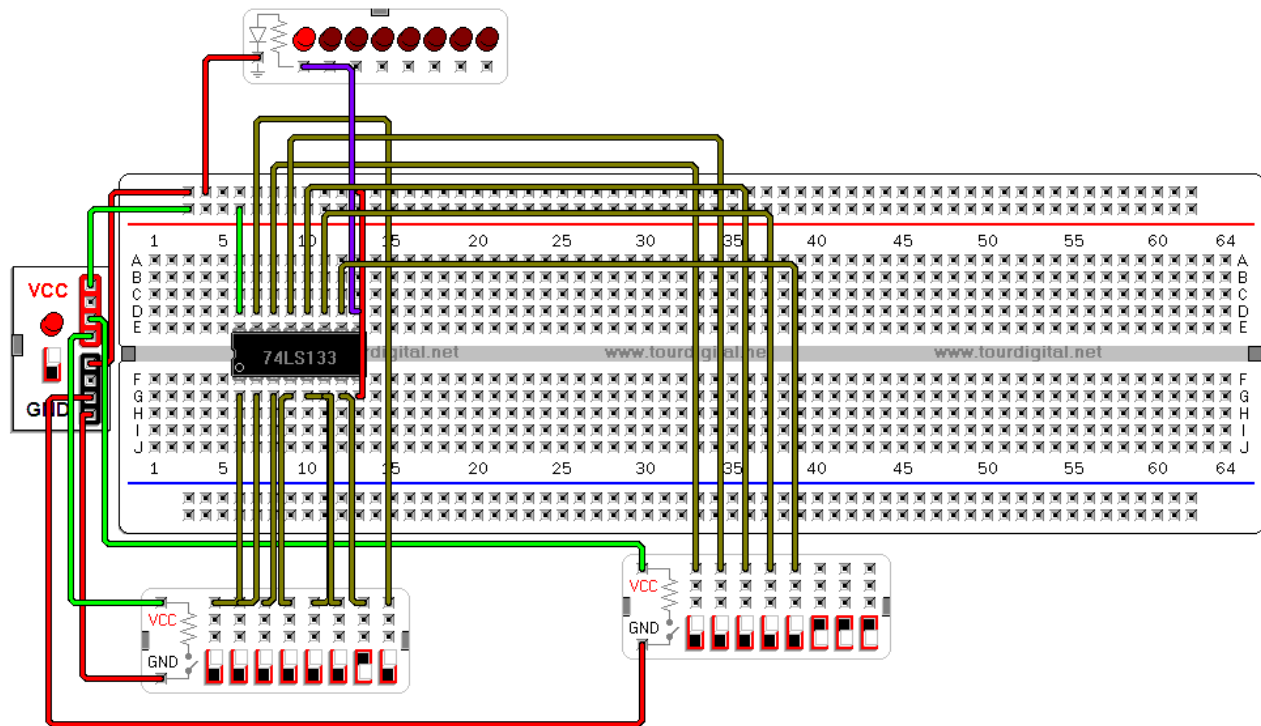


P	Q	R	S	RES
1	1	1	1	0
1	1	1	0	1
1	1	0	1	1
1	1	0	0	1
1	0	1	1	1
1	0	1	0	1
1	0	0	1	1
1	0	0	0	1
0	1	1	1	1
0	1	1	0	1
0	1	0	1	1
0	1	0	0	1
0	0	1	1	1
0	0	1	0	1
0	0	0	1	1
0	0	0	0	1

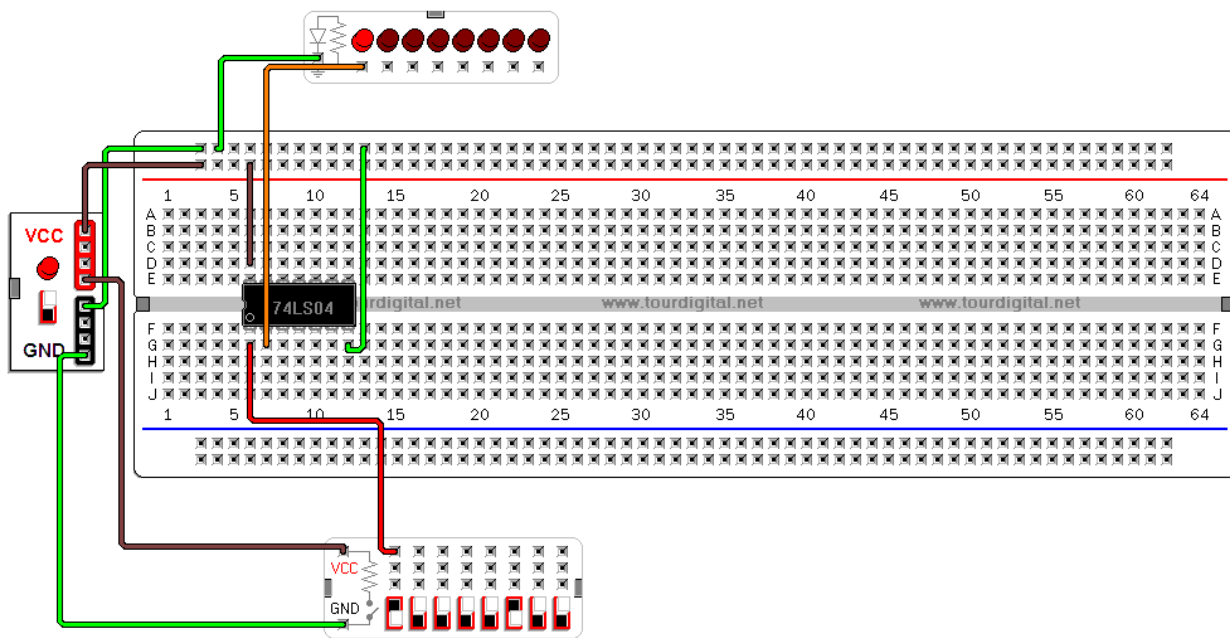
7. Nand 8 entradas

[illegible]

8. Nand de 13 entradas

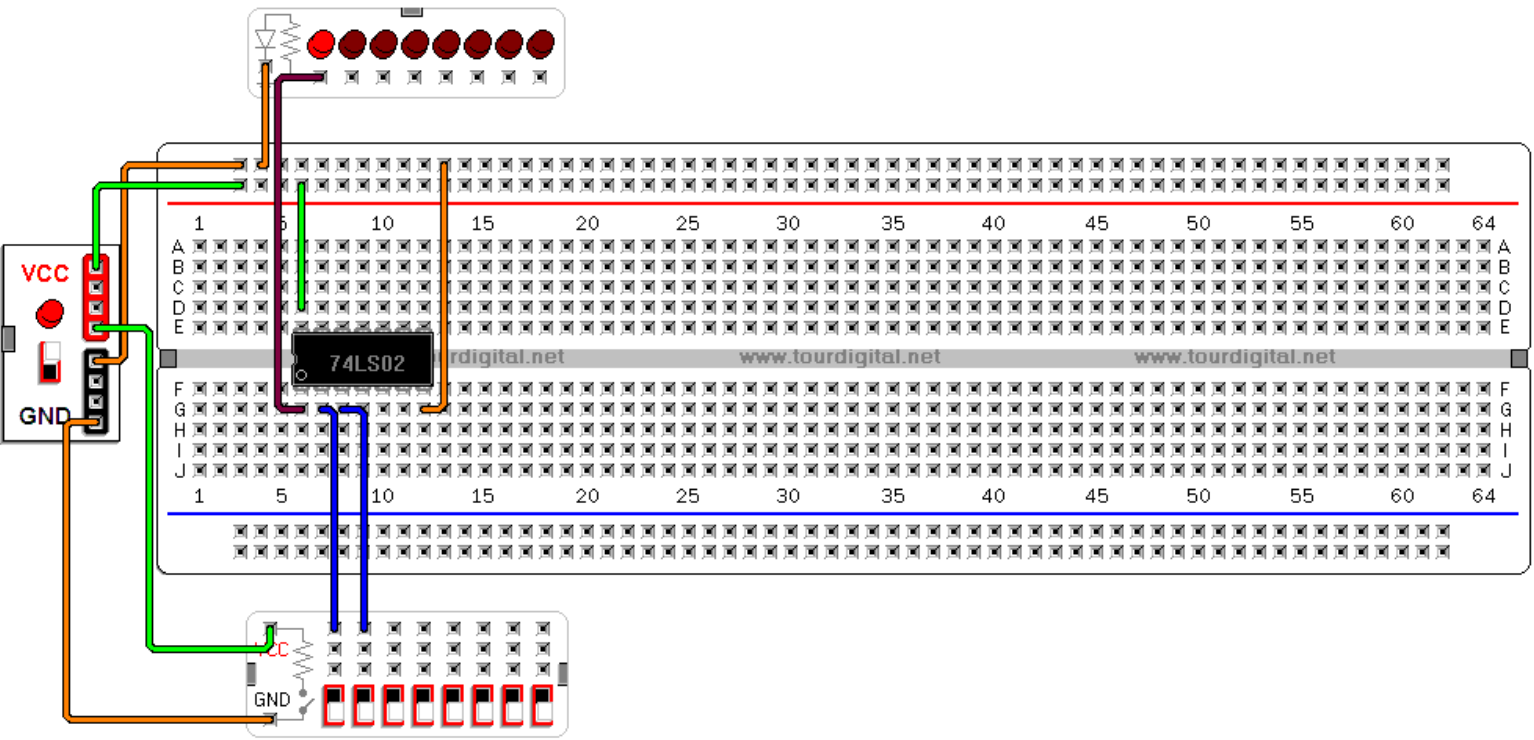
[illegible]

9. Not x64



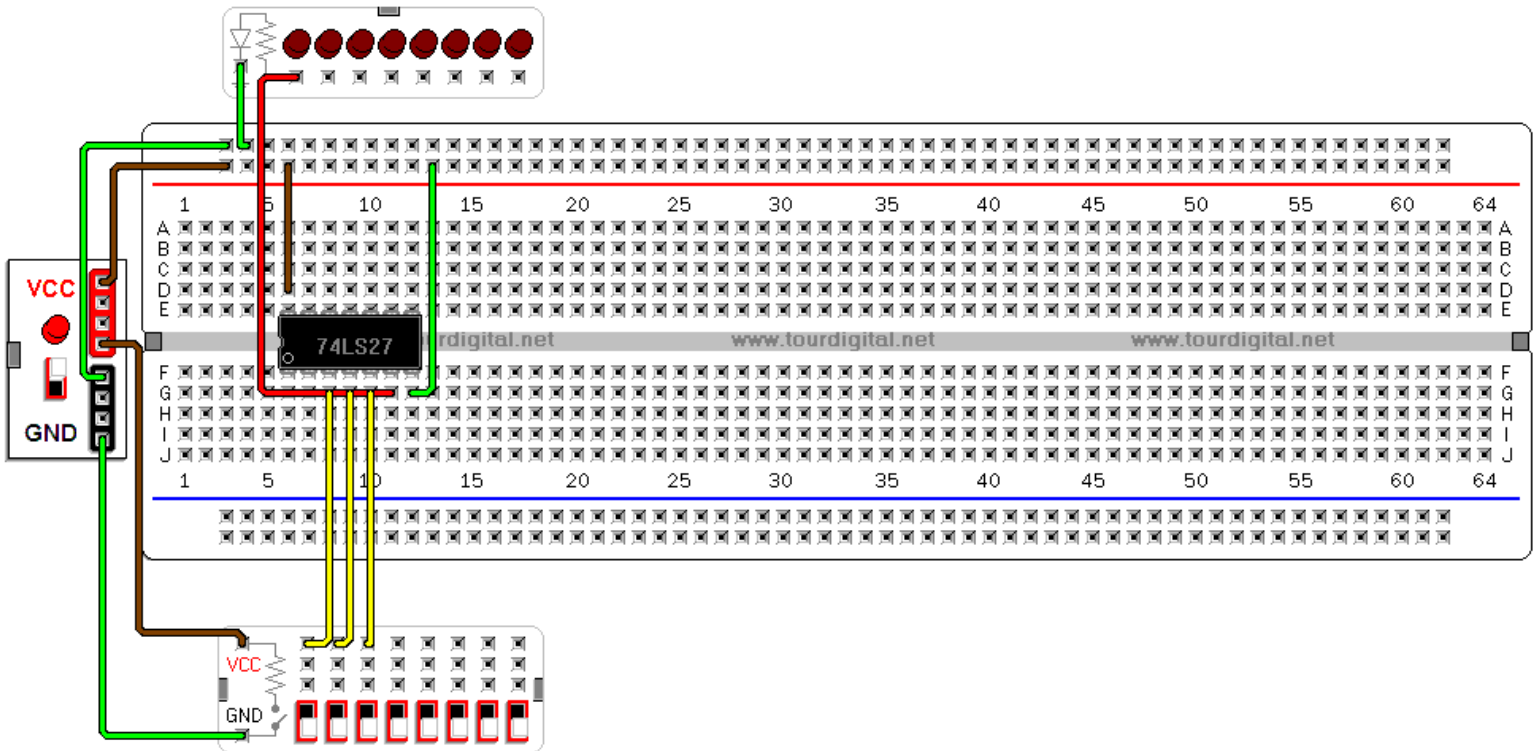
Q	RES
1	0
0	1

10. Nor 2 entradas x4



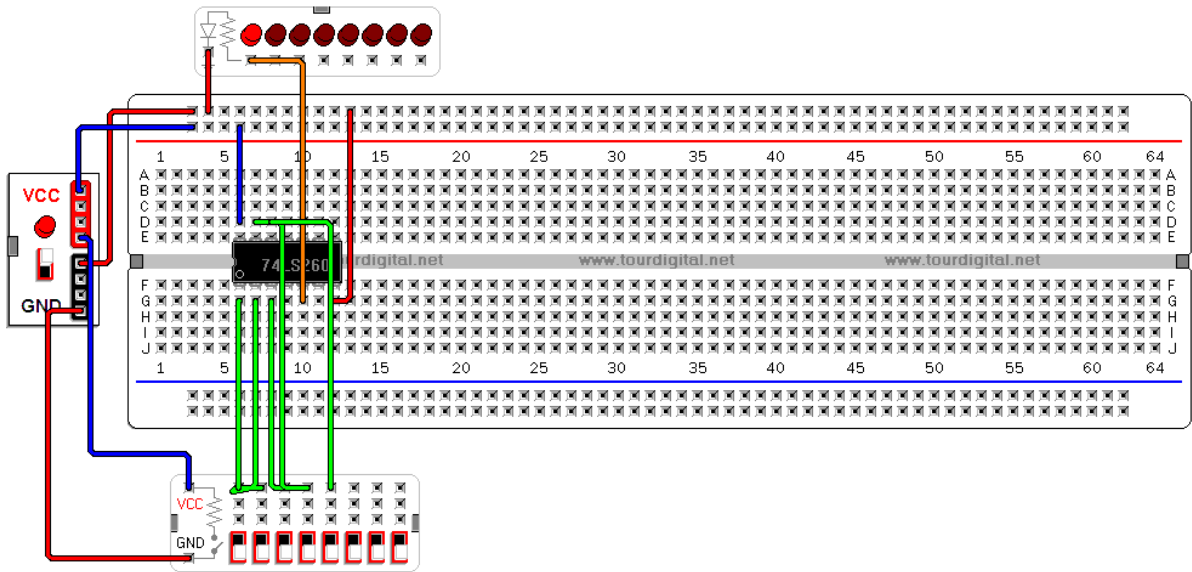
P	Q	RES
1	1	0
1	0	0
0	1	0
0	0	1

11. Nor de 3 entradas x3



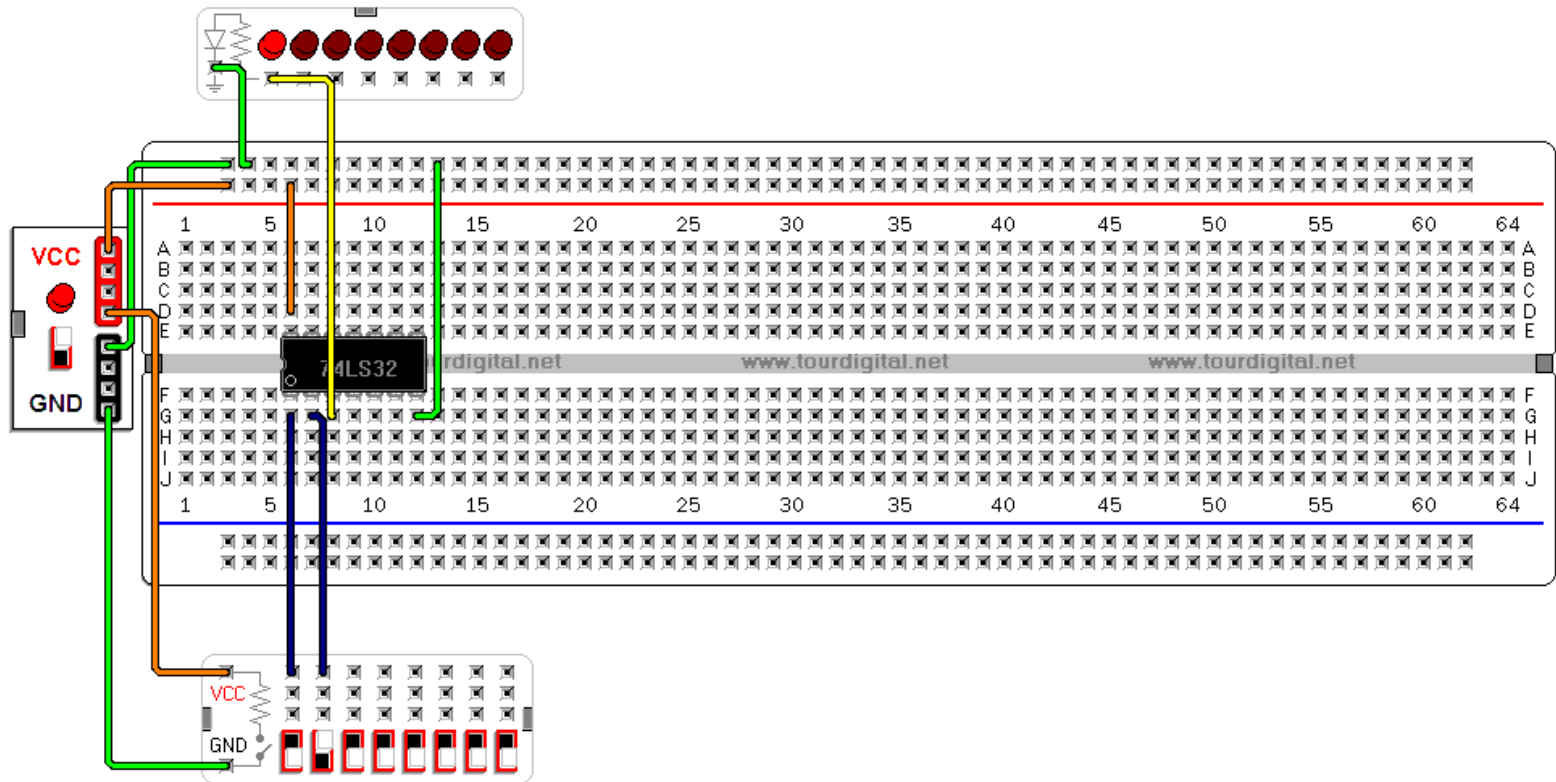
P	Q	R	RES
1	1	1	0
1	1	0	0
1	0	1	0
1	0	0	0
0	1	1	0
0	1	0	0
0	0	1	0
0	0	0	1

12. Nor de 5 entradas



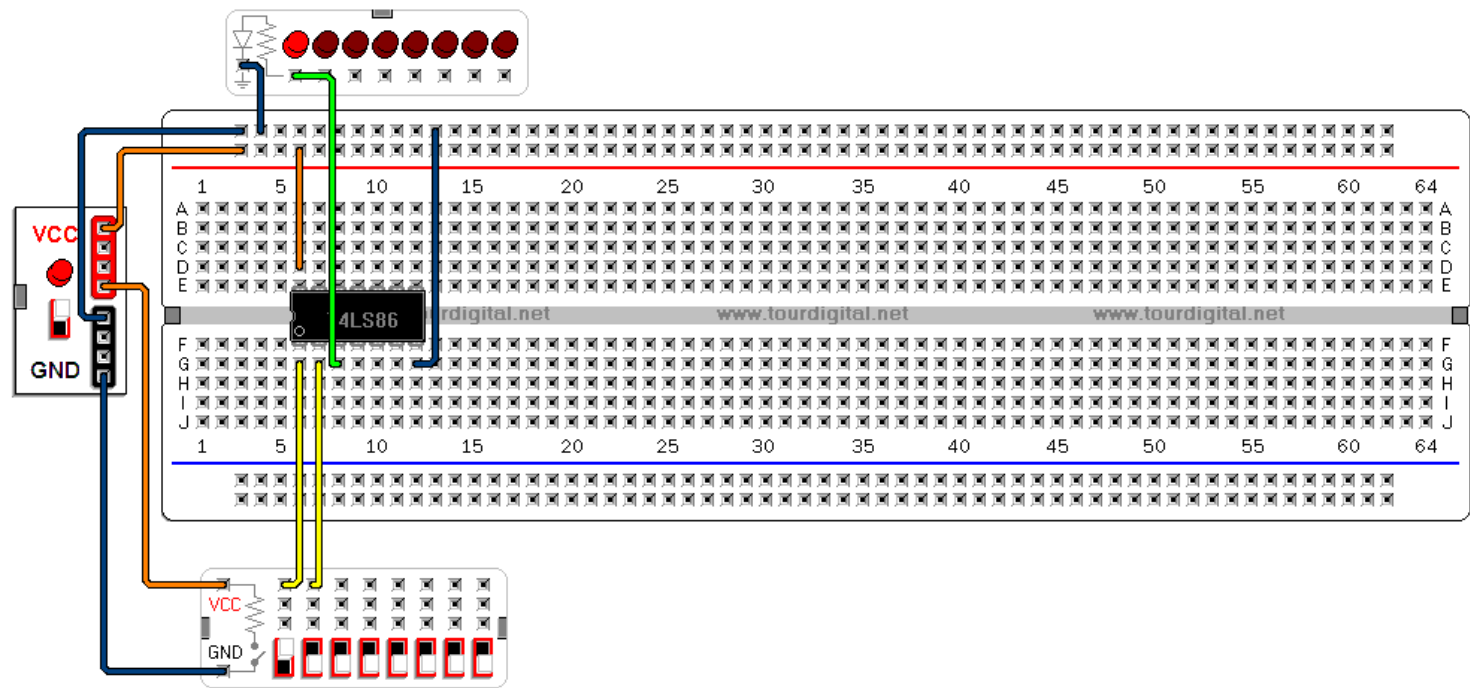
P	Q	R	S	T	RES
1	1	1	1	1	0
1	1	1	1	0	0
1	1	1	0	1	0
1	1	1	0	0	0
1	1	0	1	1	0
1	1	0	1	0	0
1	1	0	0	1	0
1	1	0	0	0	0
1	0	1	1	1	0
1	0	1	1	0	0
1	0	1	0	1	0
1	0	1	0	0	0
1	0	0	1	1	0
1	0	0	1	0	0
1	0	0	0	1	0
1	0	0	0	0	0
0	1	1	1	1	0
0	1	1	1	0	0
0	1	1	0	1	0
0	1	1	0	0	0
0	1	0	1	1	0
0	1	0	1	0	0
0	1	0	0	1	0
0	1	0	0	0	0
0	0	1	1	1	0
0	0	1	1	0	0
0	0	1	0	1	0
0	0	1	0	0	0
0	0	0	1	1	0
0	0	0	1	0	0
0	0	0	0	1	0
0	0	0	0	0	1

13. Or 2 entradas



P	Q	P+Q
1	1	1
1	0	1
0	1	1
0	0	0

14. Xor de 2 entradas



P	Q	P+Q
1	1	0
1	0	1
0	1	1
0	0	0