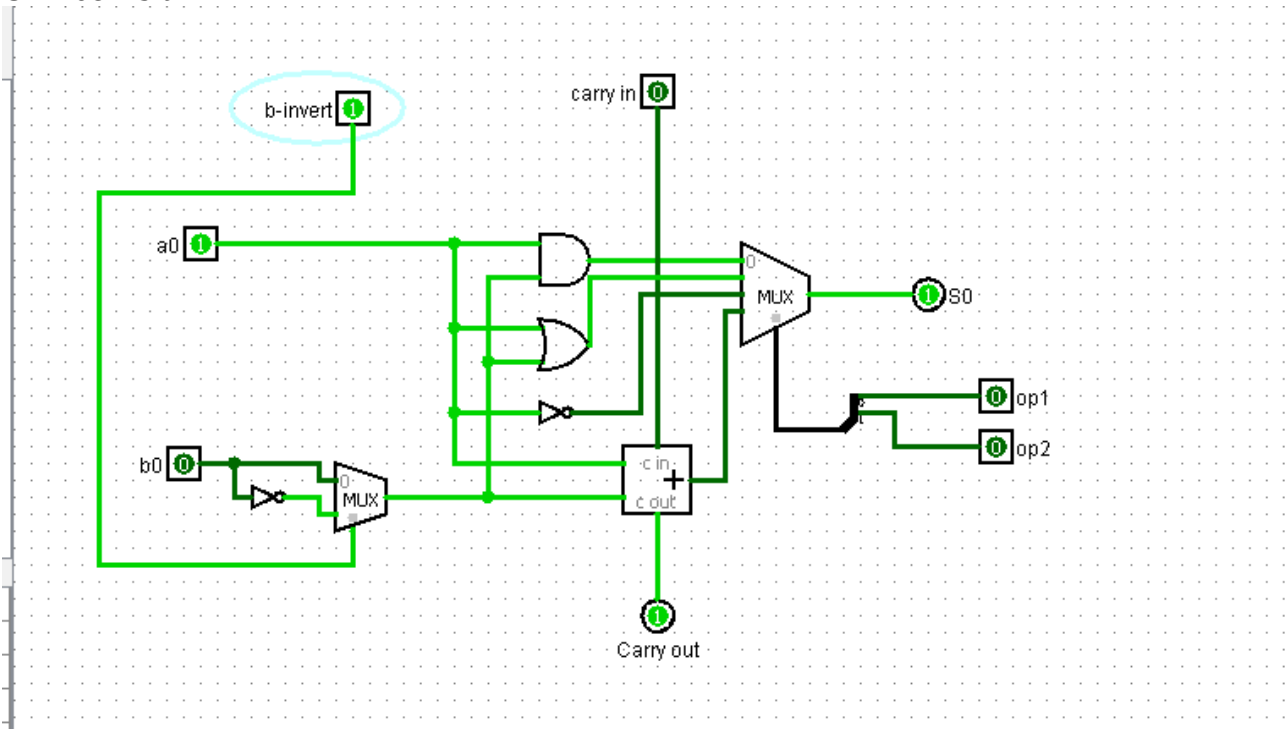


Luiza Ávila Defranco Gonçalves -587490

Parte 1

ULA de 1 bit



ULA de 2 bits

ReB Tabela [Protected View] - Excel (Unlicensed Product)

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Op1	Op0	A	B	S0		Simplificar													
2	0	0	0	0	0	0	GND													
3	0	0	0	0	1	0	GND													
4	0	0	1	0	0	0	B													
5	0	0	1	1	1	1	B													
6	0	1	0	0	0	0	B													
7	0	1	0	1	1	1	B													
8	0	1	1	0	1	1	VCC													
9	0	1	1	1	1	1	VCC													
10	1	0	0	0	0	1	VCC													
11	1	0	0	1	1	1	VCC													
12	1	0	1	0	0	0	GND													
13	1	0	1	1	1	0	GND													
14	1	1	0	0	0	0	B													
15	1	1	0	1	1	1	B													
16	1	1	1	0	1	1	Not B													
17	1	1	1	1	1	0	Not B													
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				

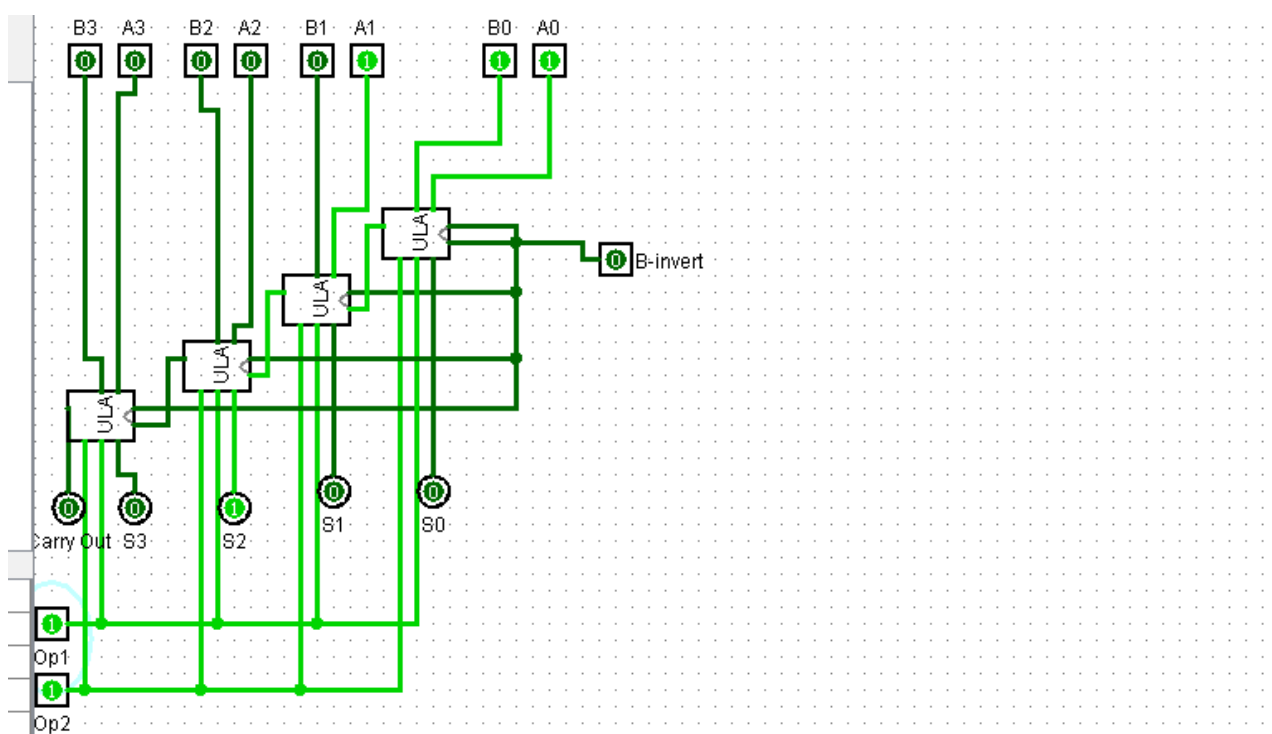
Planilha1

Ready

Digite aqui para pesquisar

21:35 02/03/2018

### ULA de 4 bits



## Parte 2

Tabela verdade adotada no projeto de construção da ULA e sua simplificação.

Manual

Re3 Tabela [Protected View] - Excel (Unlicensed Product)

Luiza Gonçalves

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H17

X

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fx

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	Op1	Op0	A	B	S0		Simplificar													
2		0	0	0	0	0	GND													
3		0	0	0	1	0	GND													
4		0	0	1	0	0	B													
5		0	0	1	1	1	B													
6		0	1	0	0	0	B													
7		0	1	0	1	1	B													
8		0	1	1	0	1	VCC													
9		0	1	1	1	1	VCC													
10		1	0	0	0	1	VCC													
11		1	0	0	1	1	VCC													
12		1	0	1	0	0	GND													
13		1	0	1	1	0	GND													
14		1	1	0	0	0	B													
15		1	1	0	1	1	B													
16		1	1	1	0	1	Not B													
17		1	1	1	1	0	Not B													
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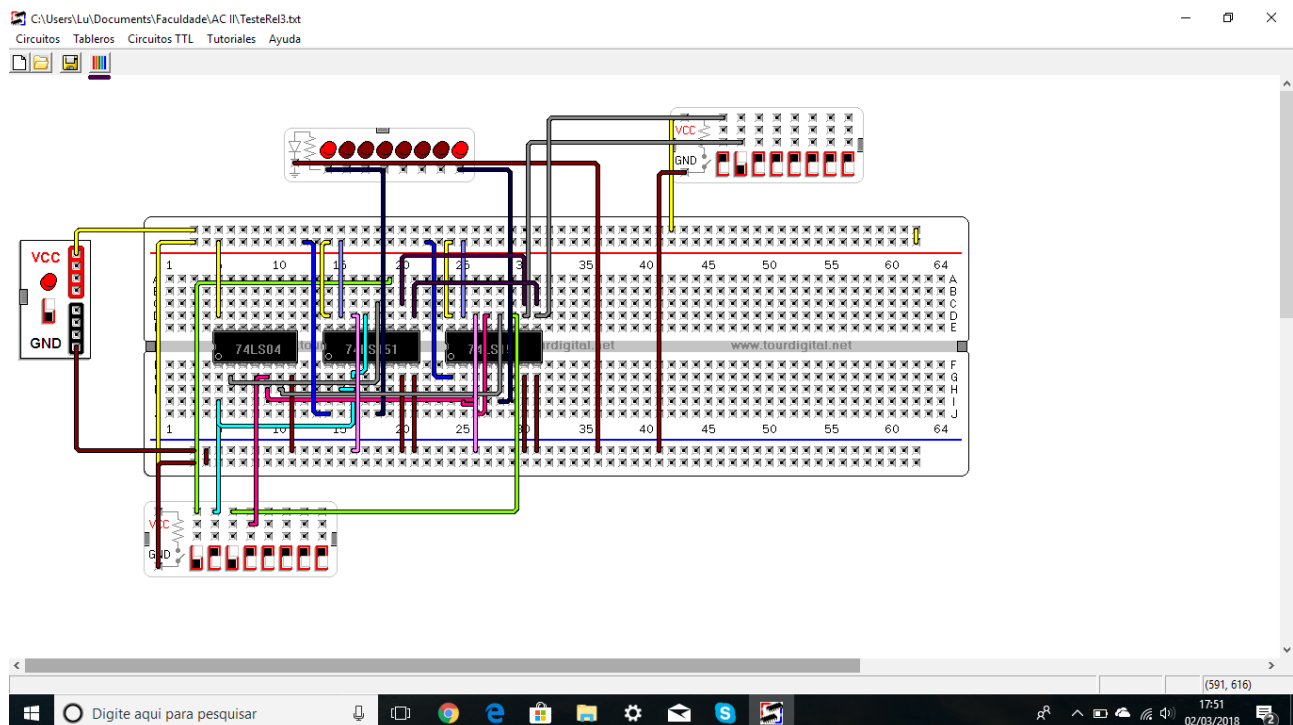
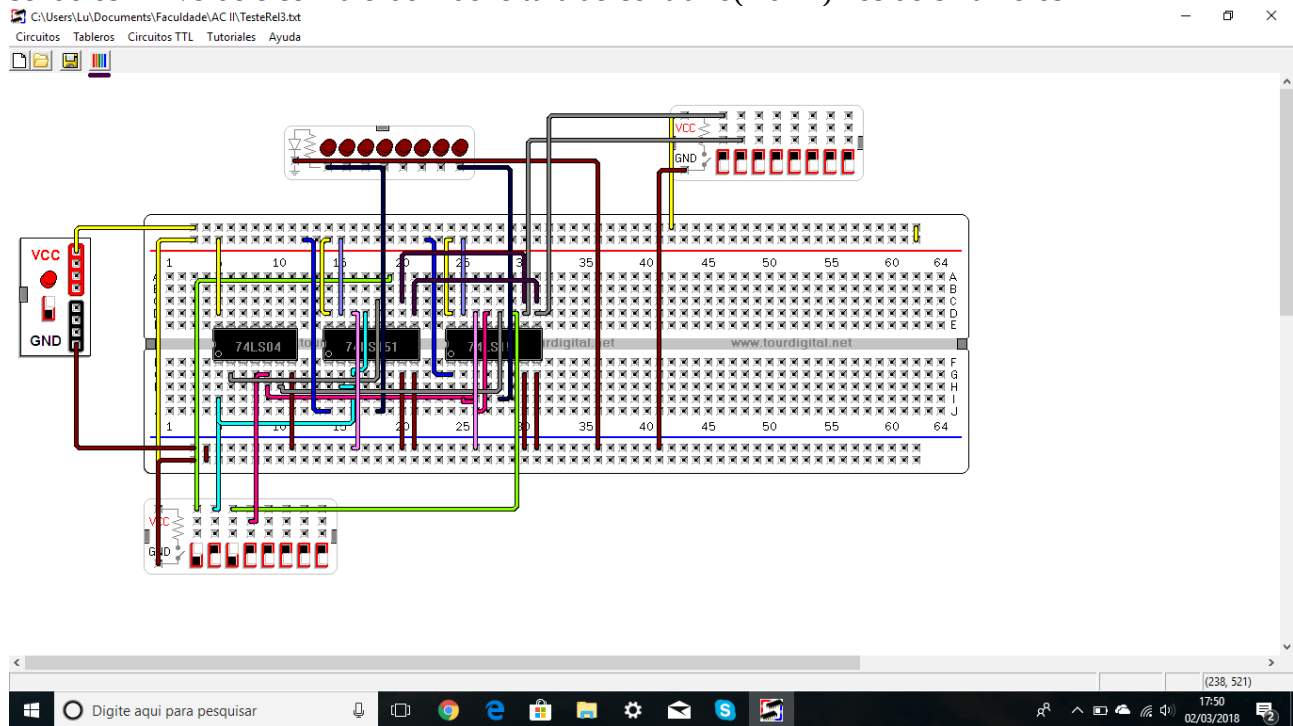
Planilha1

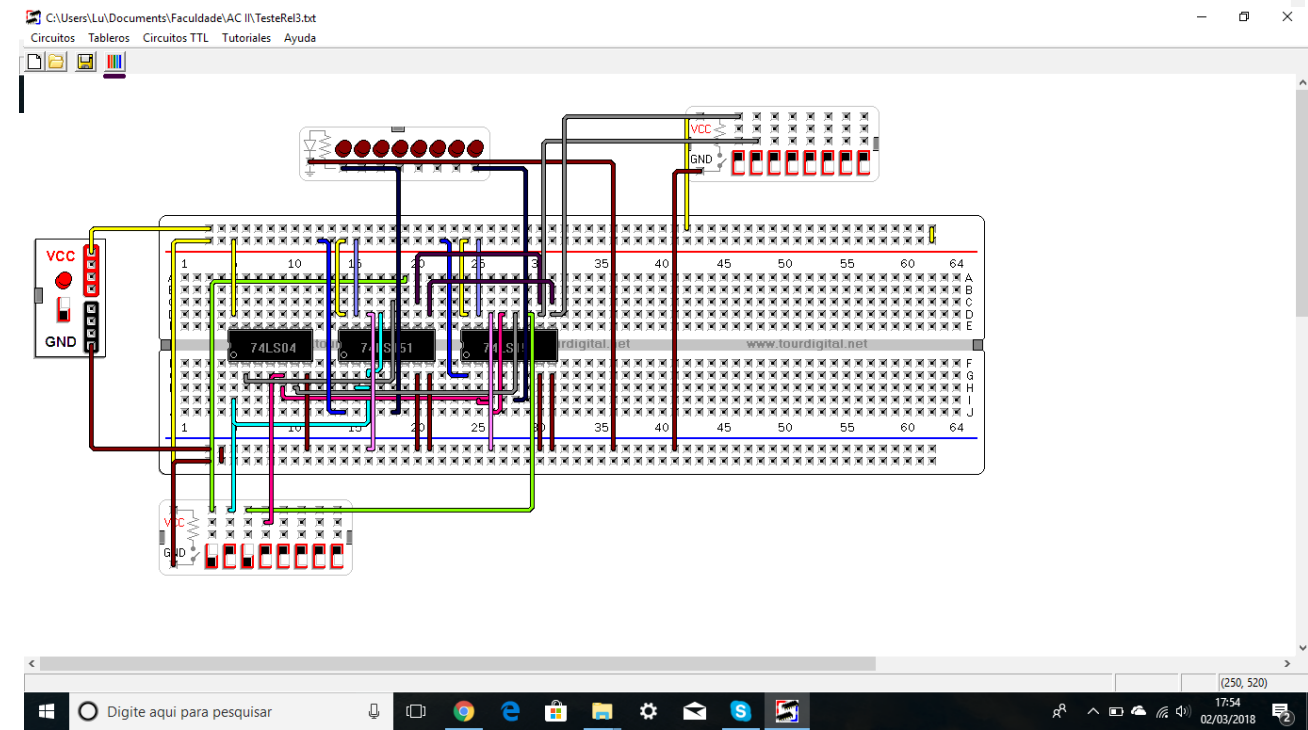
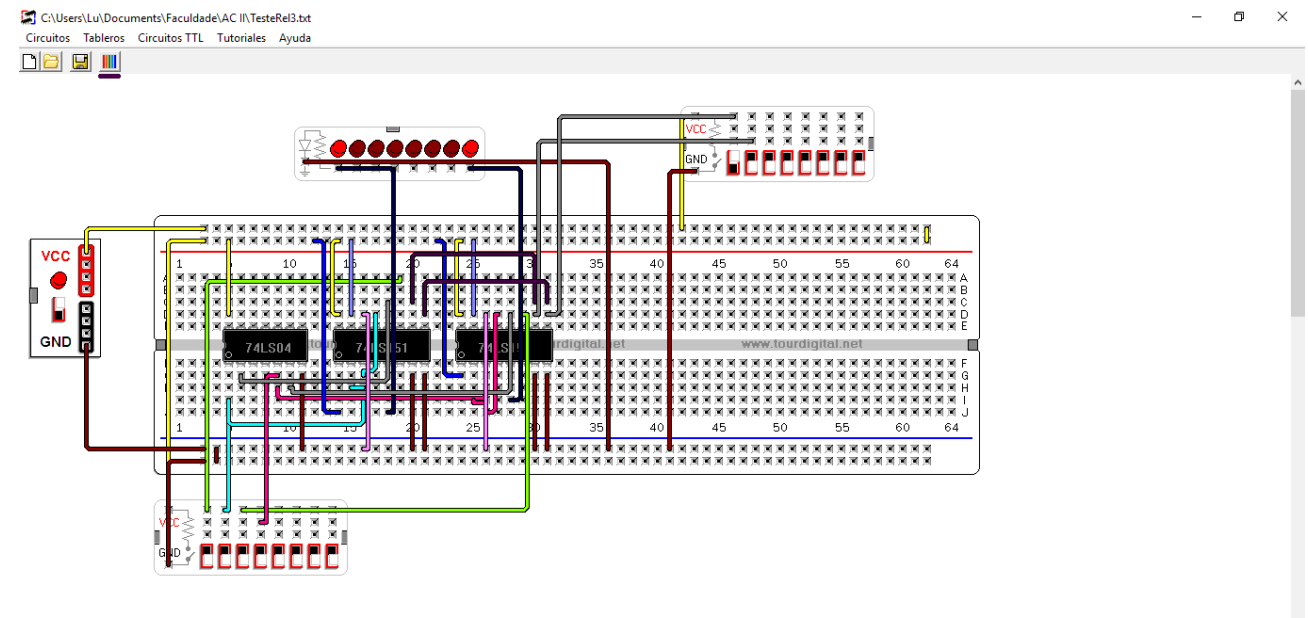
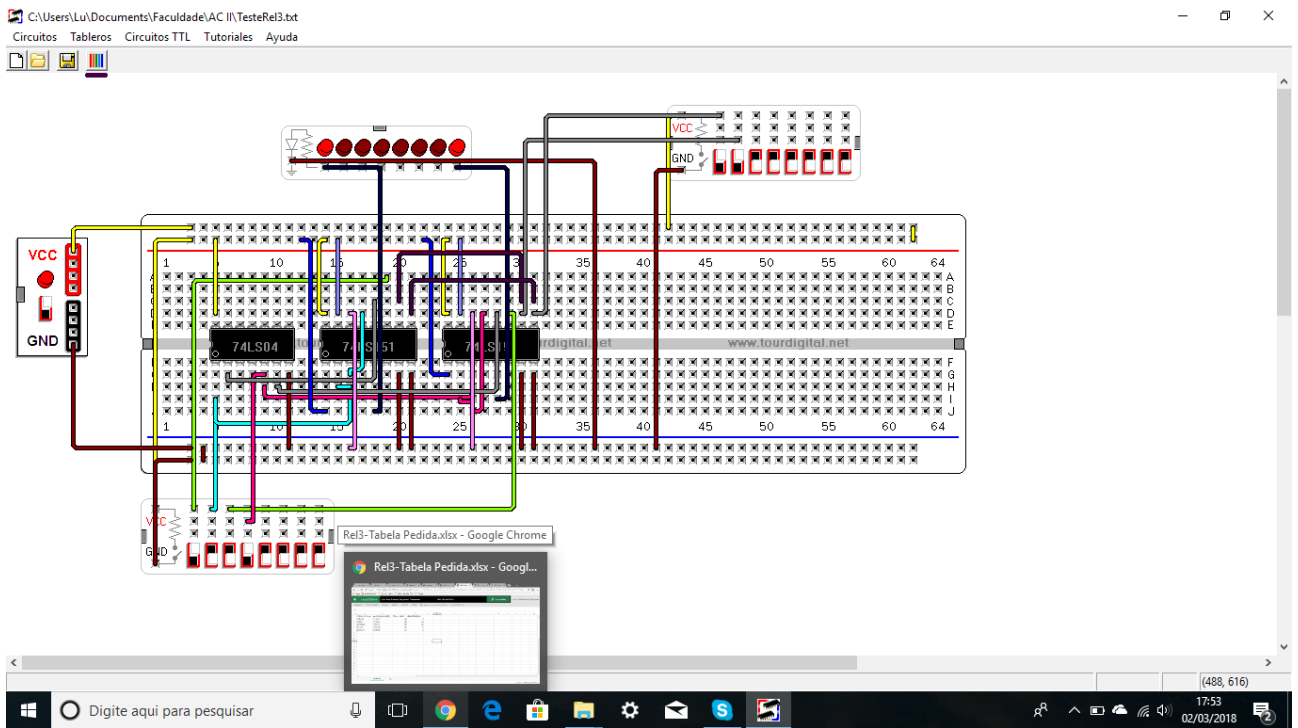
Ready

21:35 02/03/2018

## Simulação no Simulador 97

Obs.: No canto superior direito estão os ops, e no inferior esquerdo estão os números A1A0 e B1B0, sendo os 'A' verde e com a ordem de leitura ao contrário(A0A1) nos dois números





A	B	C	D
Instrução realizada	Binário(A,B,Op.Code)	Valor em Hexa	Resultado Binário
And(a,b)	10 01 00	24	0
Or(a,b)	10 01 01	25	11
Soma(a,b)	10 01 11	27	11
Not (a)	11 01 10	31	0
And (b,a)	01 10 00	18	0