

EXERCÍCIO PRÁTICO 2

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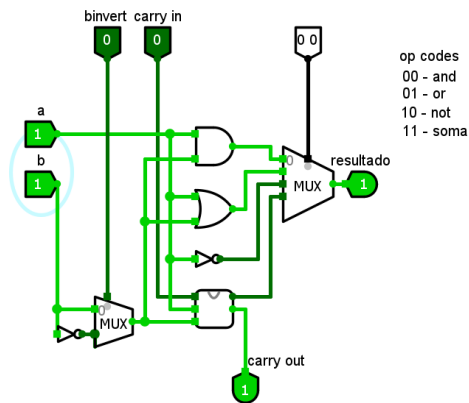


Figura 1: ULA 1 bit

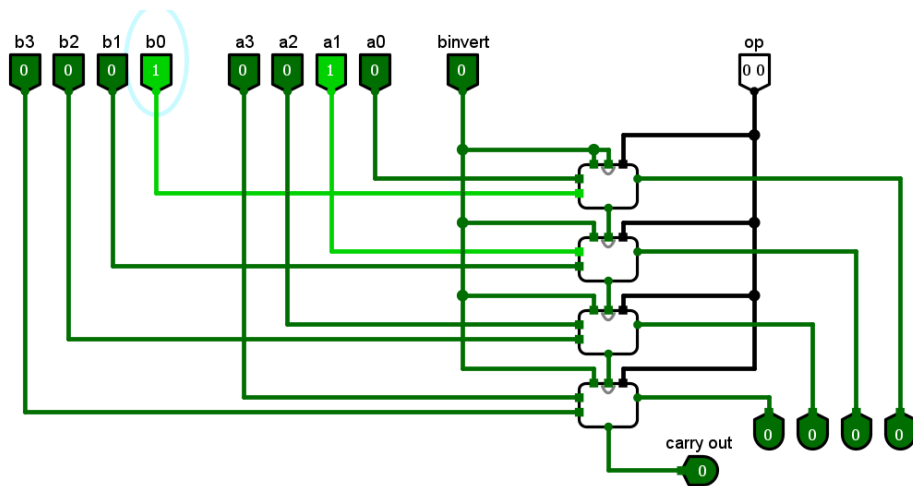


Figura 2: AND (A, B)

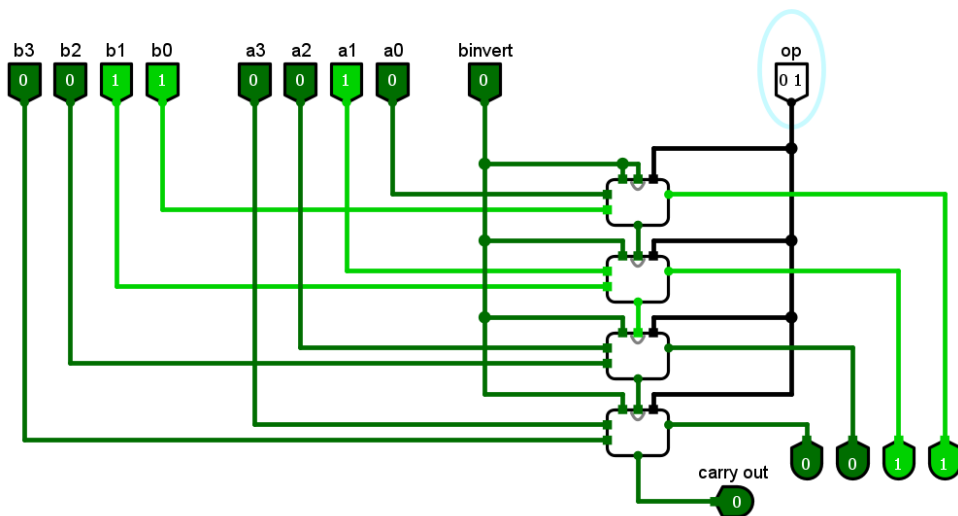


Figura 3: OR (A, B)

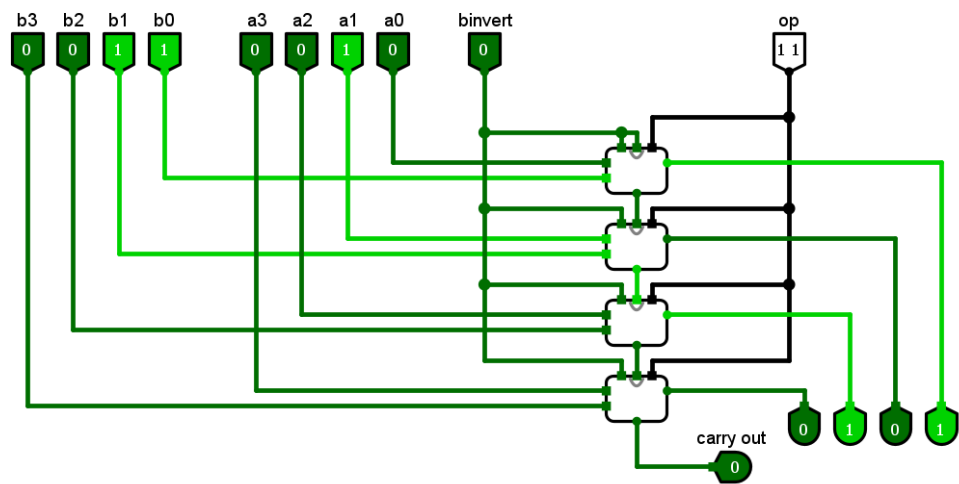


Figura 4: Soma (A, B)

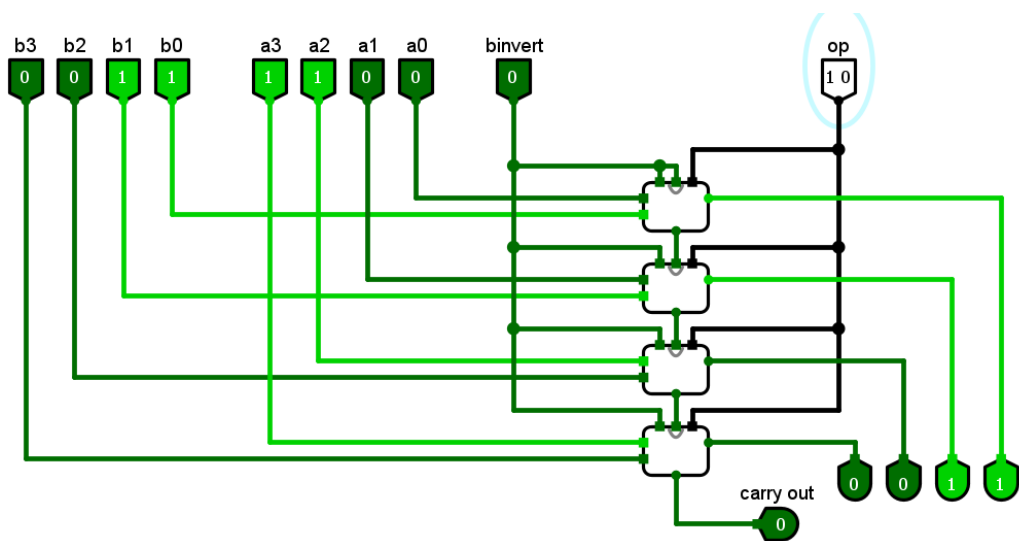


Figura 5: NOT (A)

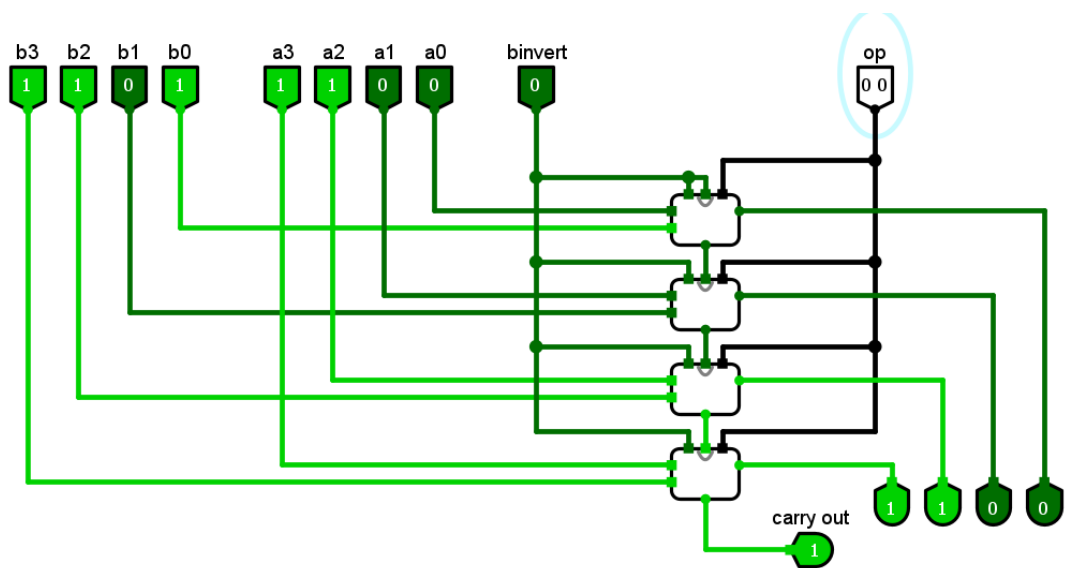


Figura 6: AND (B, A)

Instrução	Binário (A, B, op code)	Valor em Hexa	Resultado em Binário
AND (A, B)	0010 0001 00	0x084	0000
OR (A, B)	0010 0011 01	0x08D	0011
SOMA (A, B)	0010 0011 11	0x08F	0101
NOT (A)	1100 0000 10	0x302	0011
AND (B, A)	1100 1101 00	0x334	1100

TINKERCAD:

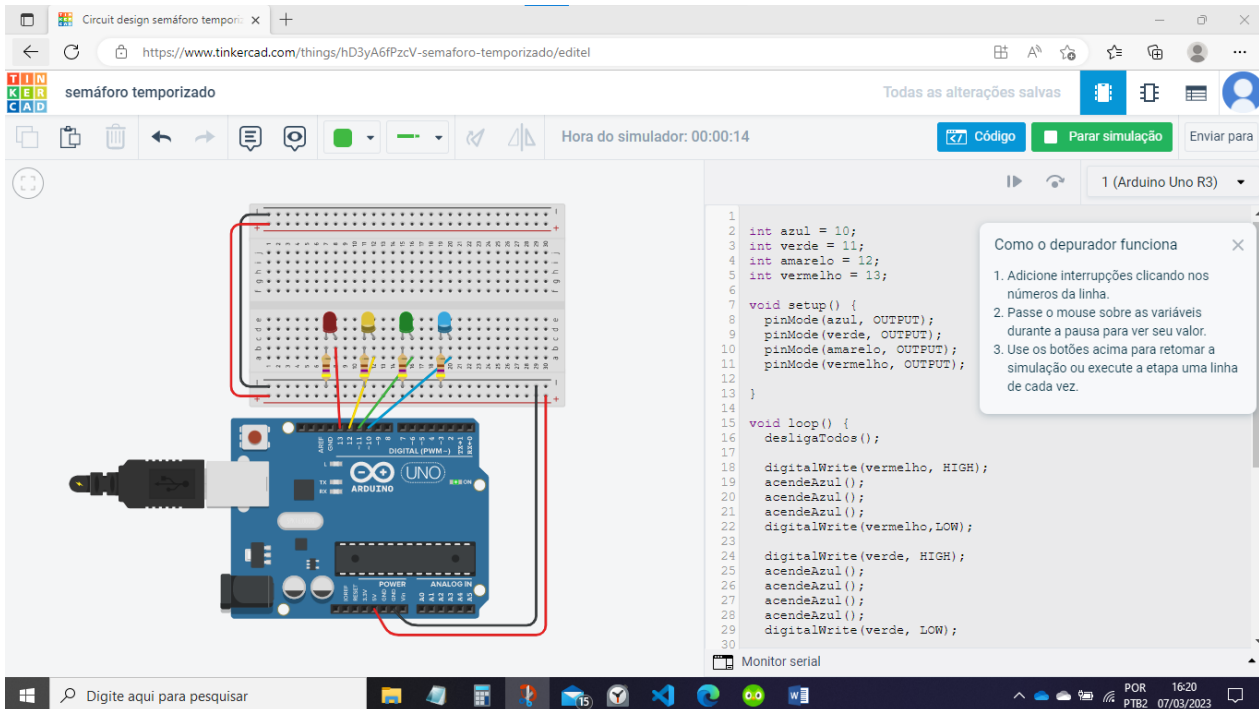


Figura 7: Semáforo Temporizado

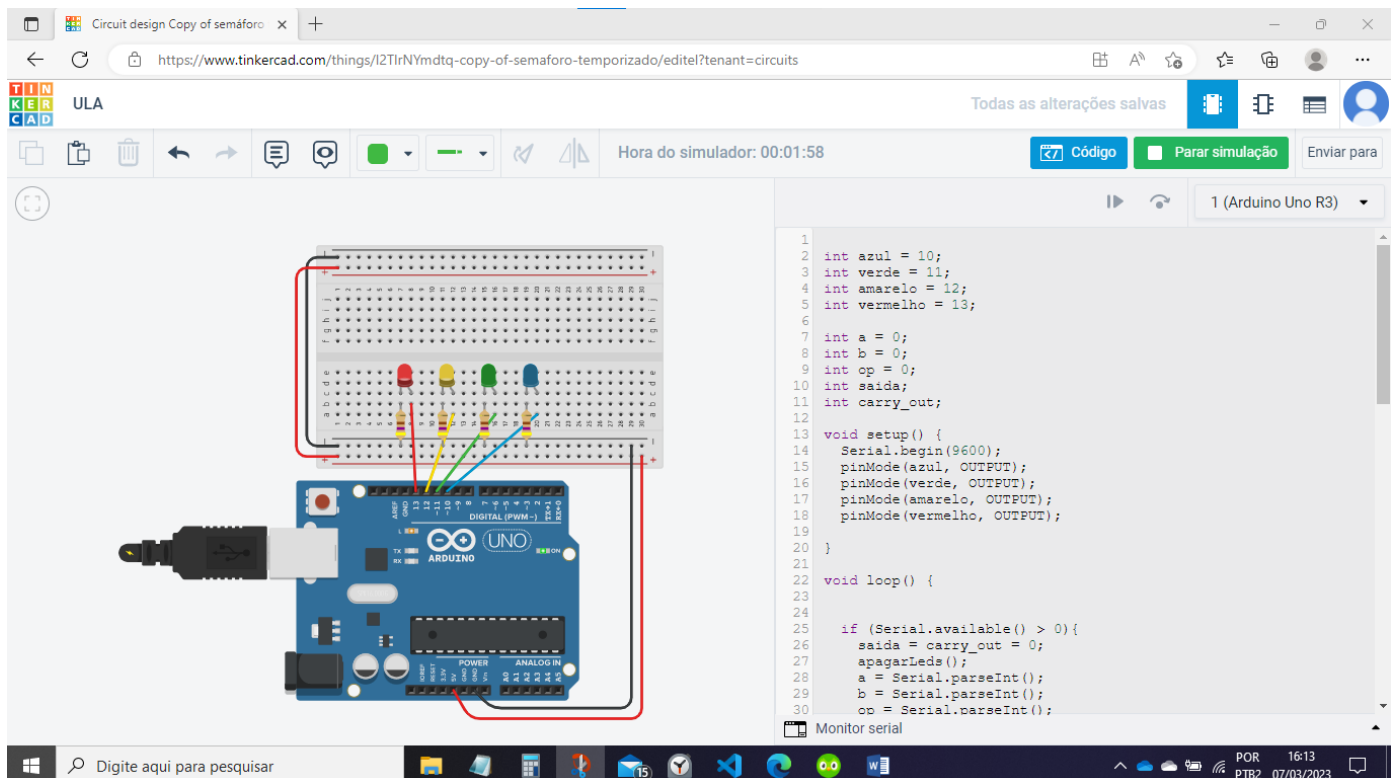


Figura 8: ULA

TESTES - ULA:

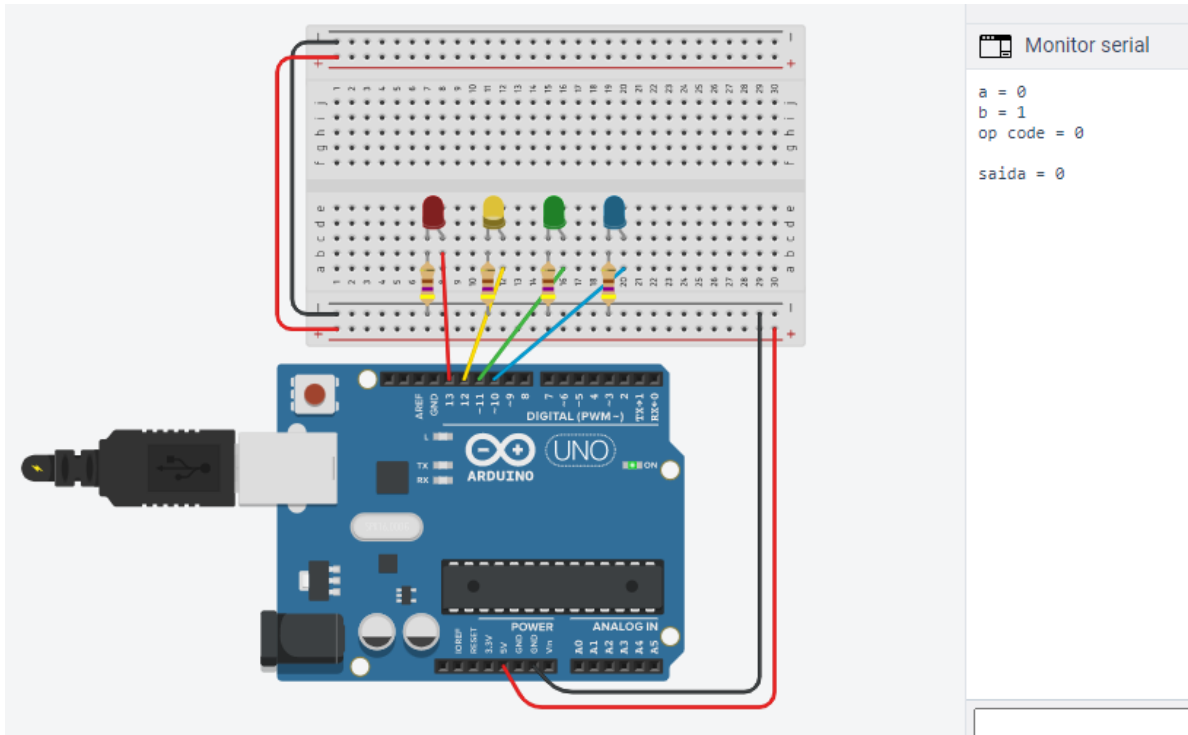


Figura 9: AND (A, B)

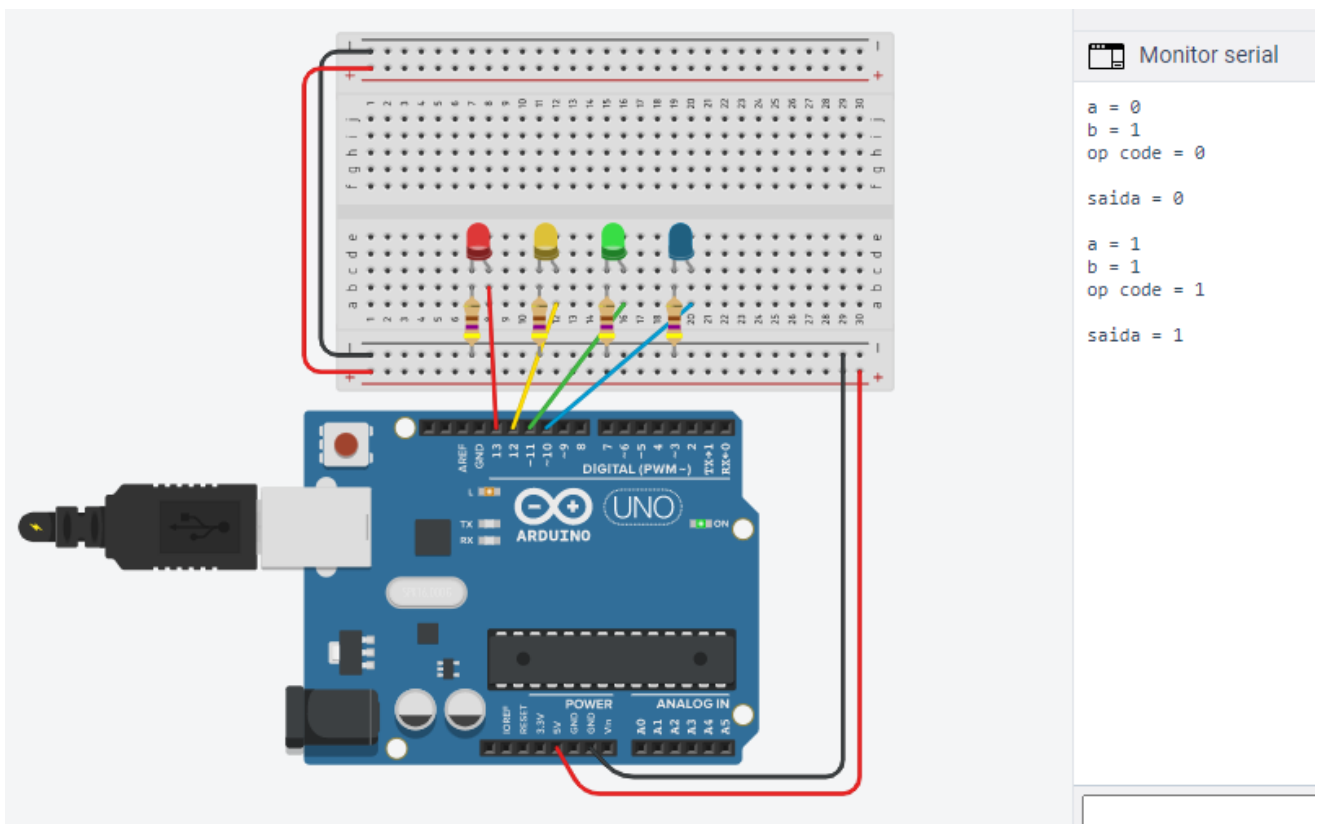


Figura 10: OR (A, B)

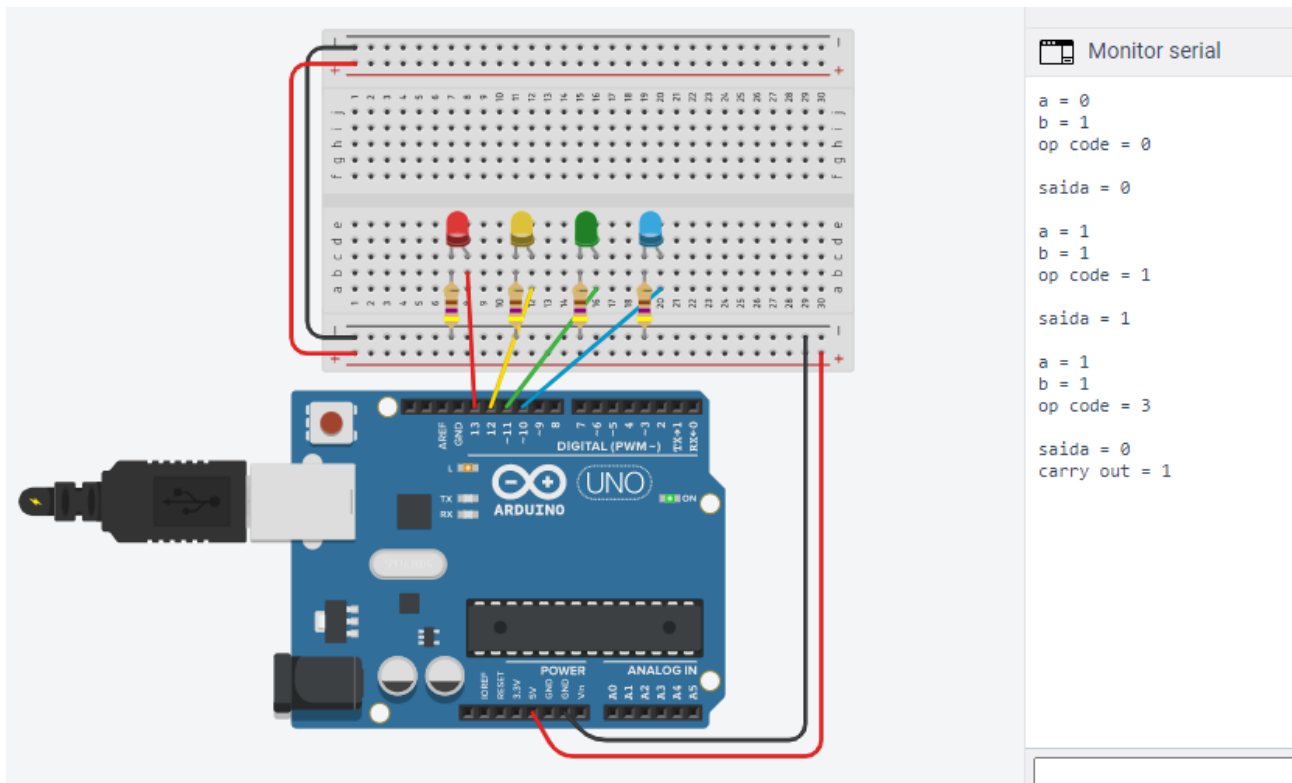


Figura 11: Soma (A, B)

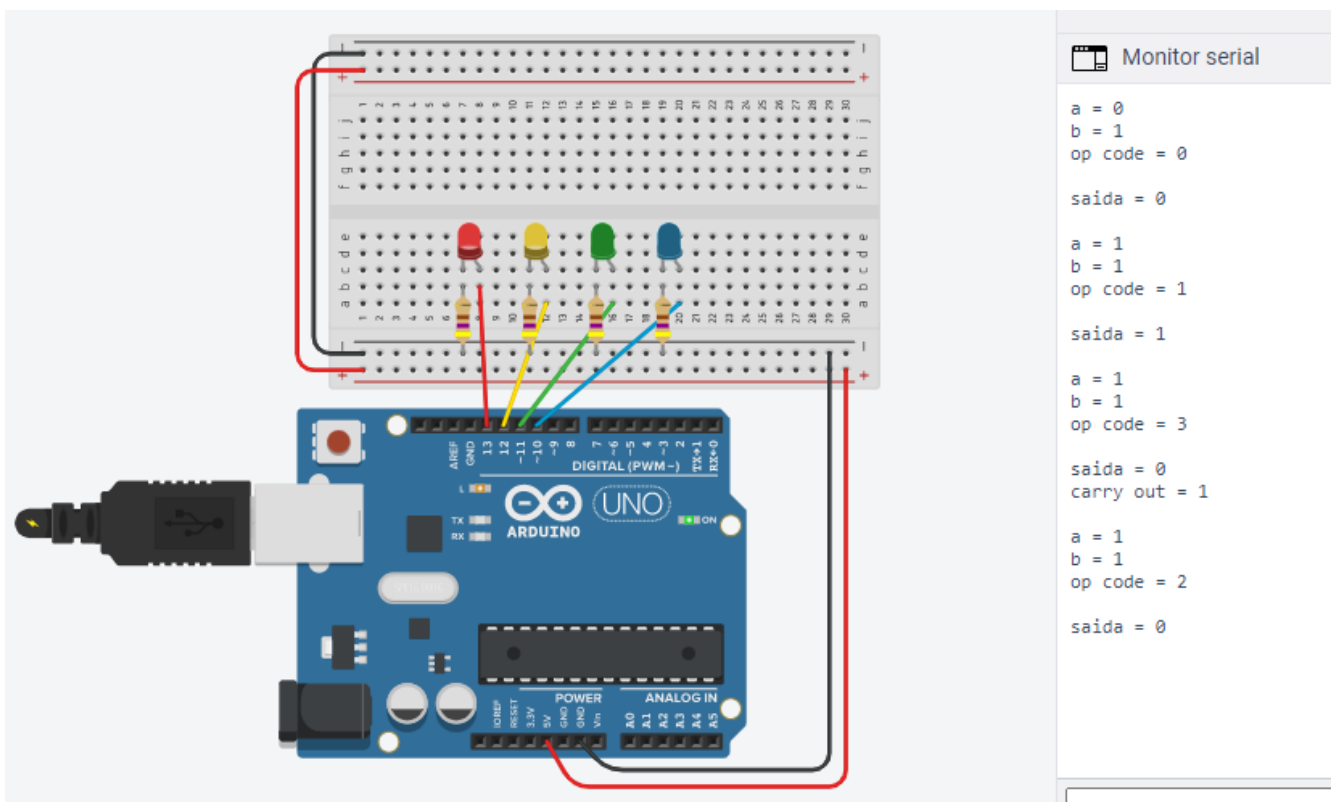


Figura 12: NOT (A, B)