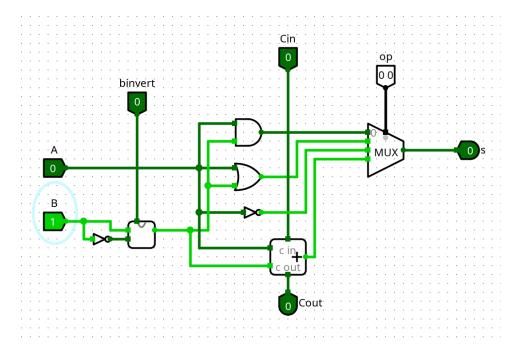
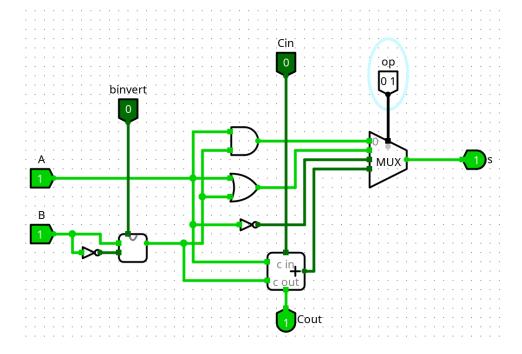
Felipe Augusto Morais Silva

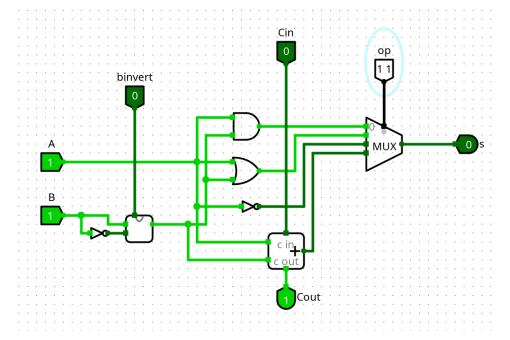
AND(a,b) a = 0, b =1;



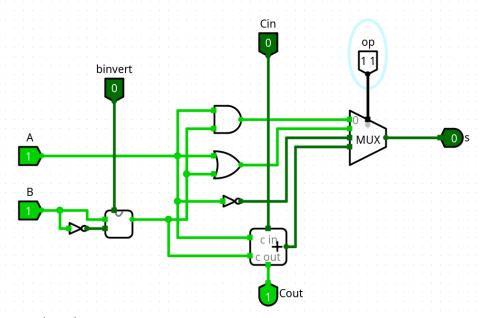
OR(a,b) a = 1, b = 1;



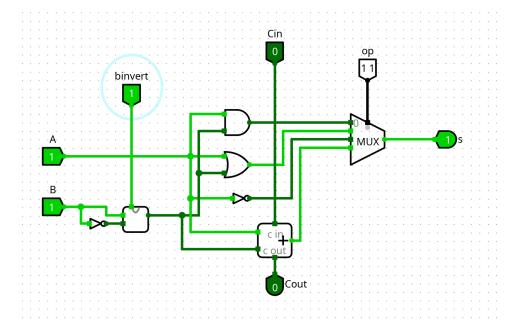
SOMA(a,b)



NOT(A);

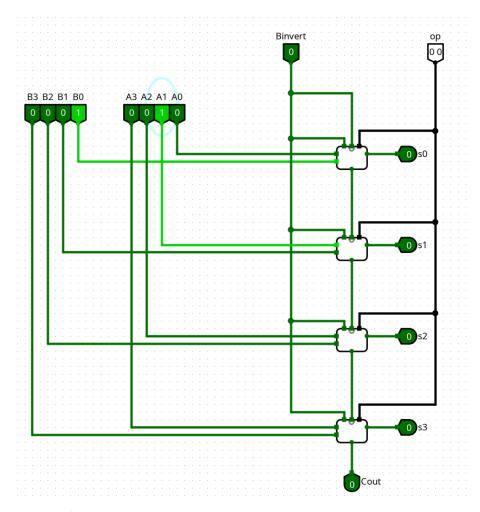


SOMA(A, -B);

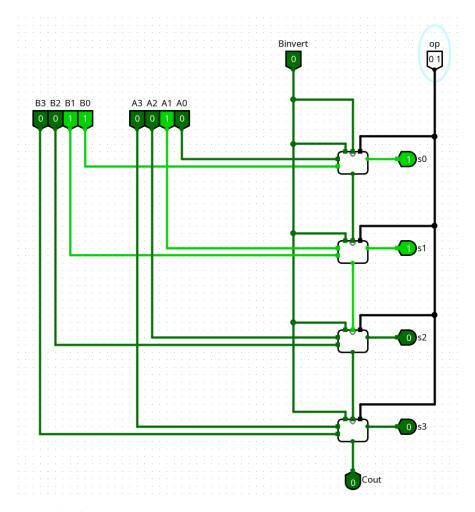


Testes com a ULA de 4 bits:

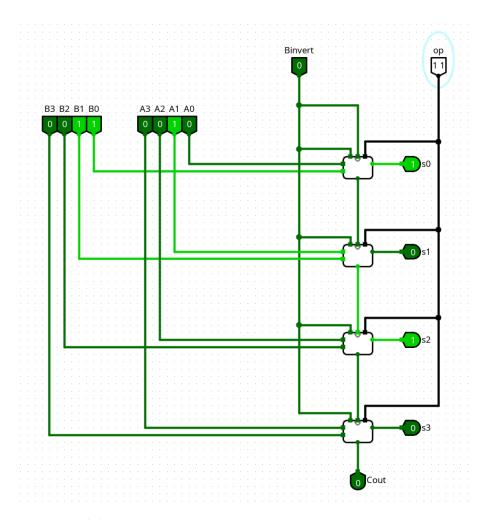
AND(A,B); A = 2, B = 1;



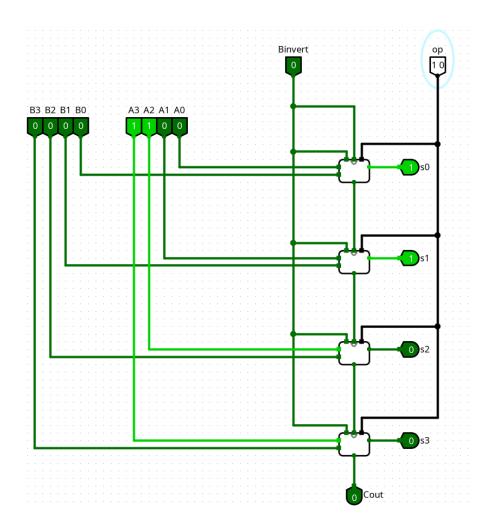
B = 3; OR(A,B);



SOMA(A,B);



A = 12; NOT(A)



B= 13; AND(B,A);

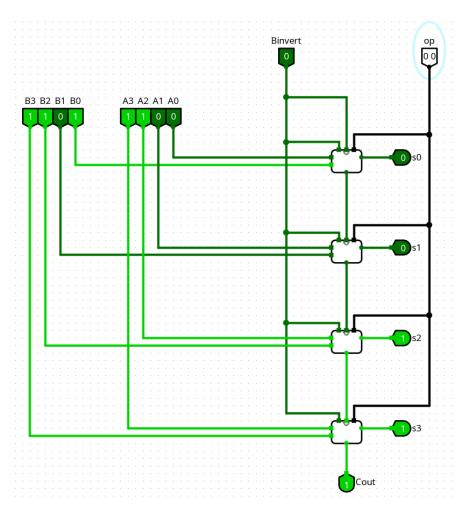


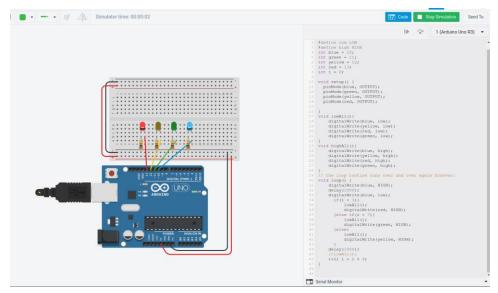
tabela.txt+						
	11	[instr]	[bin]		[Hex]	[ans]
	10					
	9	AND(A,B)	0010 0001	00	0x084	0000
	8					
	7	OR(A,B)	0010 0011	01	0x08C	0011
	6					
	5	SUM(A,B)	0010 0011	11	0x08C	0101
	4	NOT(A D)	4400 0044	40		
	3	NOT(A,B)	1100 0011	10	0x30E	0011
			1100 1101		 0v224	0101
~	4.2 	AND(B,A)	1100 1101	00	0x334	0101
	12					

PARTE 2

Ex01:

Semáforo funcionando:

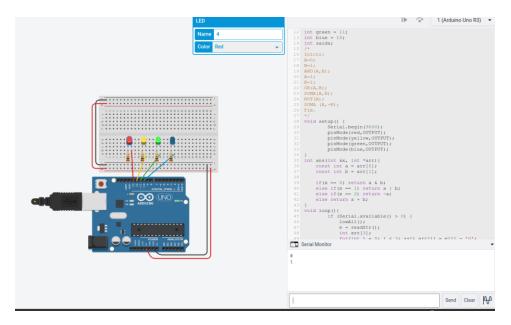
(não dá pra tirar print de cada coisa, mas só de vc bater o olho no código já da pra saber q ta funcionando)



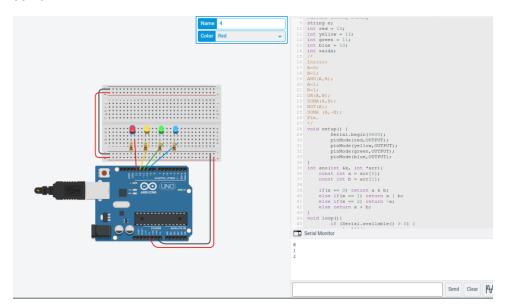
ex02:

And

or



Soma



Not

codigo

```
a.ino+

53 #define dw digitalWrite

52 #define spl Serial.print

54 #define spl Serial.print

55 #define spl Serial.praseInt

56 #define spi Serial.parseInt

57 #define readStr'Serial.readString

58 #define string String

59 #define string String

50 #define string String

50 #define string String

51 #define string String

52 #define string String

53 #define string String

54 #define string String

55 #define string String

56 #define string String

57 #define string String

58 #define string String

59 #define string String

50 #define string

51 #define string

52 #define spl Serial.parseInt

53 #define string

54 #define spl Serial.parseInt

55 #define readString

56 #define spl Serial.parseInt

57 #define spl Serial.parseInt

58 #define string

59 #define spl Serial.parseInt

50 #define spl Serial.parseInt

50 #define spl Serial.parseInt

51 #define spl Serial.parseInt

52 #define spl Serial.parseInt

53 #define spl Serial.parseInt

54 #define spl Serial.parseInt

55 #define spl Serial.parseInt

56 #define spl Serial.parseInt

57 #define spl Serial.parseInt

58 #define spl Serial.parseInt

59 #define spl Serial.parseInt

50 #define spl Serial.parseInt

50 #define spl Serial.parseInt

50 #define spl Serial.parseInt

51 #define spl Serial.parseInt

52 #define spl Serial.parseInt

53 #define string Serial.parseInt

54 #define string Serial.parseInt

55 #define spl Serial.parseInt

56 #define spl Serial.parseInt

57 #define string

58 #define string

58 #define string

59 #define string

50 #define string

51 #define string

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55 #define string

56 #define string

57 #define string

58 #define string

58 #define string

58 #define string

59 #define string

50 #define string

50 #define string

50 #define string

51 #define string

52 #define string

53 #define string

54 #define string

55 #define spl str
```