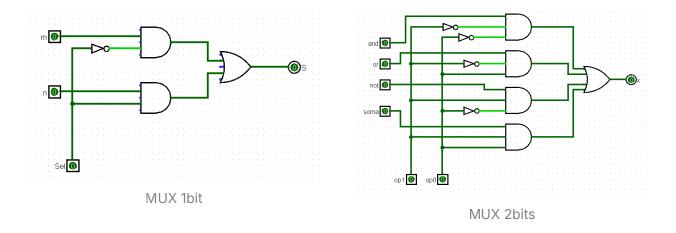
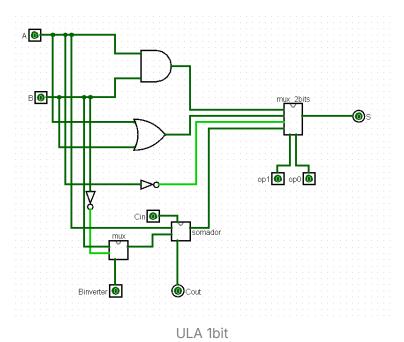
Exercício Prático 02 - AC II

Sophia Carrazza Ventorim de Sousa - PUC Minas

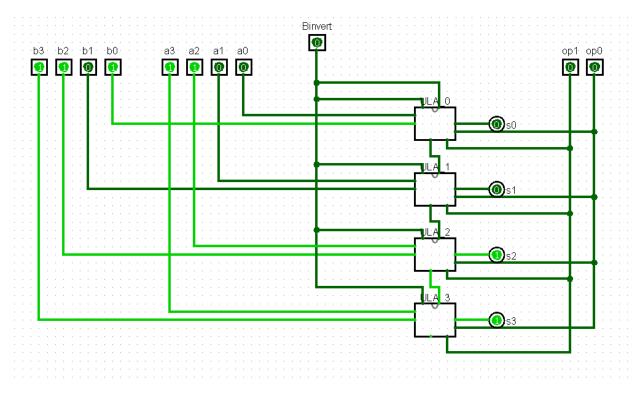
Parte 1

ULA 1bit-





ULA 4bits-

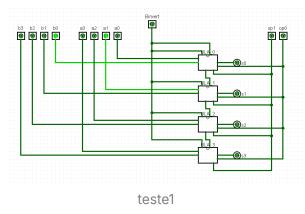


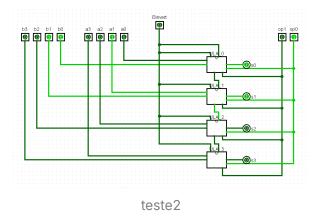
ULA 4bits

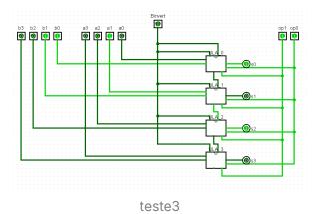
Tabela de resultados-

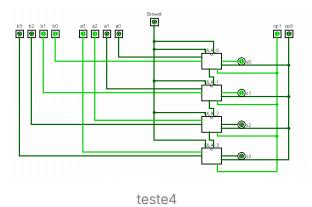
| Instrução | Binário | Valor em Hexa (0x | Resultado em |
|-----------|---------------|-------------------------------|--------------|
| realizada | (A,B,Op.code) |) | binário |
| AND(A,B) | 0010 0001 00 | $(0000\ 1000\ 0100) = 0x084$ | 0000 |
| OR(A,B) | 0010 0011 01 | $(0000\ 1000\ 1101) = 0$ x08d | 0011 |
| SOMA(A,B) | 0010 0011 11 | $(0000\ 1000\ 1111) = 0$ x08f | 0101 |
| NOT(A) | 1100 0011 10 | (0011 0000 1110) = 0x30e | 0011 |
| AND(B,A) | 1100 1101 00 | $(0011\ 0011\ 0100) = 0x334$ | 1100 |

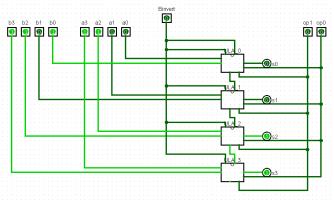
Testes-







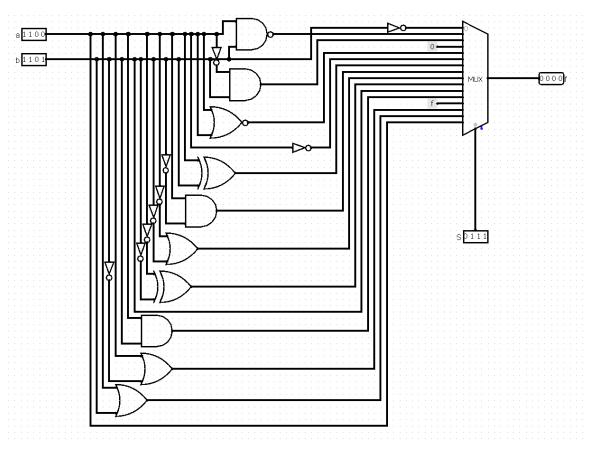




teste5

Parte 2

Circuito 74181-

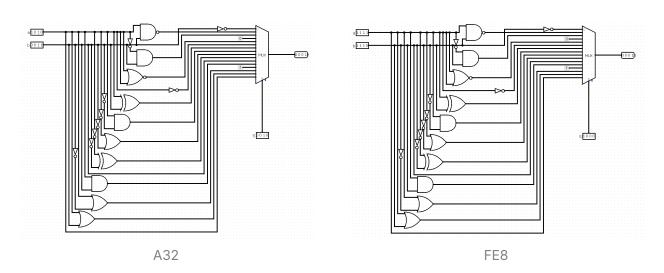


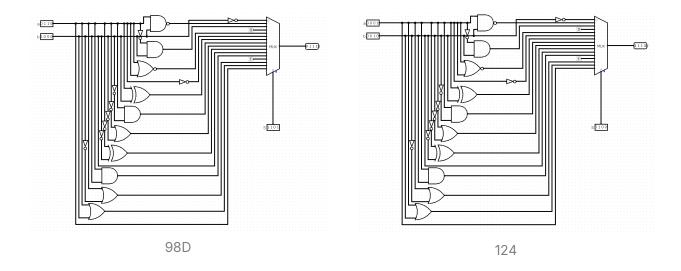
CD7

Tabela-

| Instruções | Binário | Resultado da operação |
|------------|----------------|-----------------------|
| 450 | 0100 0101 0000 | 1010 |
| CB1 | 1100 1011 0001 | 0111 |
| A32 | 1010 0011 0010 | 0001 |
| C43 | 1100 0100 0011 | 0000 |
| 124 | 0001 0010 0100 | 1110 |
| 785 | 0111 1000 0101 | 1000 |
| 9B6 | 1001 1011 0110 | 0010 |
| CD7 | 1100 1101 0111 | 0000 |
| FE8 | 1111 1110 1000 | 0001 |
| 649 | 0110 0100 1001 | 0010 |
| D9A | 1101 1001 1010 | 1001 |
| FCB | 1111 1100 1011 | 1100 |
| 63C | 0110 0011 1100 | 1111 |
| 98D | 1001 1000 1101 | 1111 |
| 76E | 0111 0110 1110 | 0111 |
| 23F | 0010 0011 1111 | 0010 |

Testes-





Questão-

Se o objetivo fosse testar a ULA por inteiro, seria necessário preencher **4096** linhas na tabela (2^12, já que há 12 portas de entrada no circuito).