Exercício Pratico 03

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1 Exercício 1

```
int vermelho = 13;
int amarelo = 12;
int verde = 11;
int azul = 10;

void setup() {
    pinMode(vermelho, OUTPUT);
    pinMode(azul, OUTPUT);
    pinMode(azul, OUTPUT);
    pinMode(azul, OUTPUT);
    pinMode(azul, OUTPUT);

int delay(1808);
    delay(1808);
    delay(1808);
    digitalWrite(azul, HIGH);
    delay(1808);
    digitalWrite(azul, Low);
}

void loop() {
    digitalWrite(vermelho, HIGH);
    digitalWrite(verde, MIGH);
    digitalWrite(verde, MIGH);
    digitalWrite(verde, HIGH);
    digitalWrite(verde, HIGH);
    digitalWrite(verde, Liga amarelo digitalWrite(verde, Liga amarelo digitalWrite(verde, Liga amarelo digitalWrite(amarelo, HIGH);
    digitalWrite(amarelo, HIGH);
    digitalWrite(amarelo, HIGH);
    digitalWrite(amarelo, Low);

digitalWrite(amarelo, Low);

digitalWrite(amarelo, Low);
```

2 Exercício 2

2.1 Imagem Completa

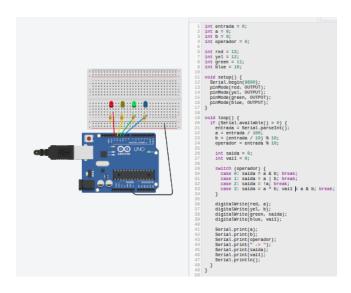


Figure 1: Imagem com arduino e codigo

2.2 Tabela

Instrução Realizada	Binário (A,B,Op code)	Valor em Hexa	Resultado em Binário
AND(A,B)	0 1 00	0x4	0
OR(A,B)	1 0 01	0x9	1
SOMA(A,B)	1 0 11	0xB	1
NOT(A)	0 0 10	0x2	1
AND(B,A)	0 1 00	0x4	0

2.3 Testes

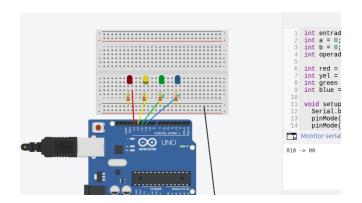


Figure 2: and(a,b)

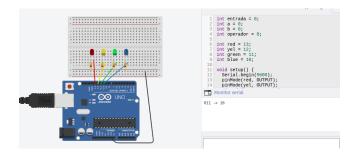


Figure 3: or(a,b)

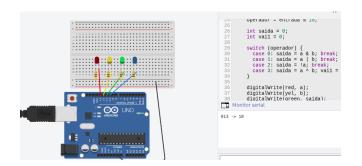


Figure 4: soma(a,b)

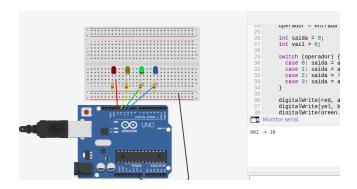


Figure 5: not(a)

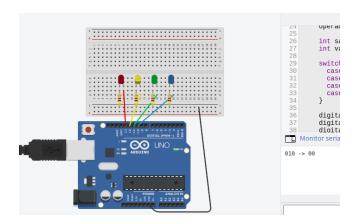


Figure 6: and(b,a)