

PONTIFÍCIA UNIVERSIDADE CATÓLICA DE MINAS GERAIS

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Matrícula: 778331

Curso: 692 - Engenharia de Computação

Disciplina: 54806 - LABORATÓRIO DE INTRODUÇÃO À ENGENHARIA DE COMPUTAÇÃO

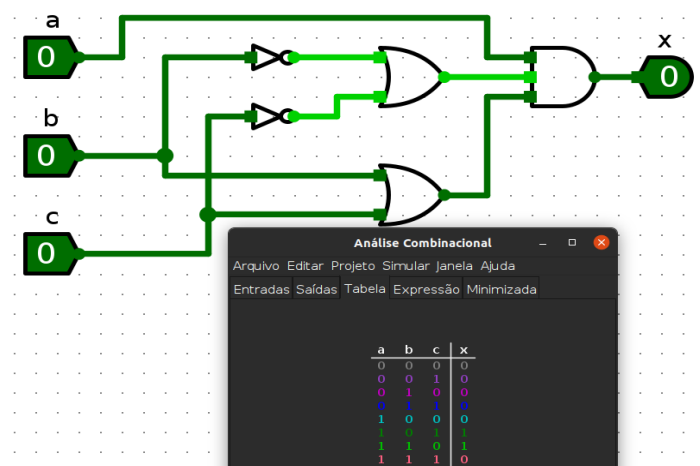
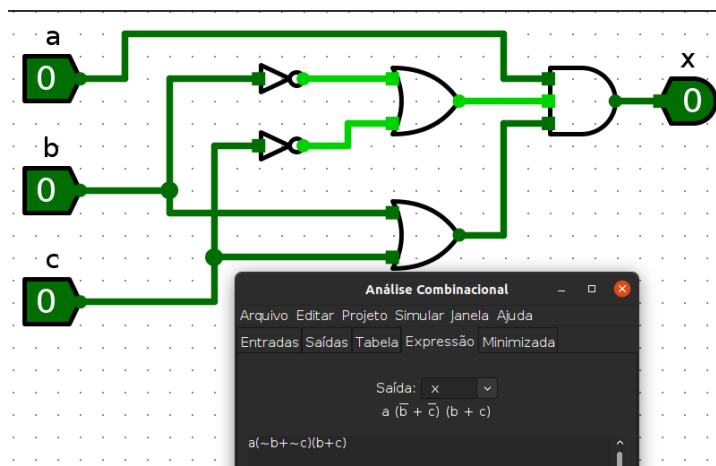
Período: 1

Turno: MANHÃ

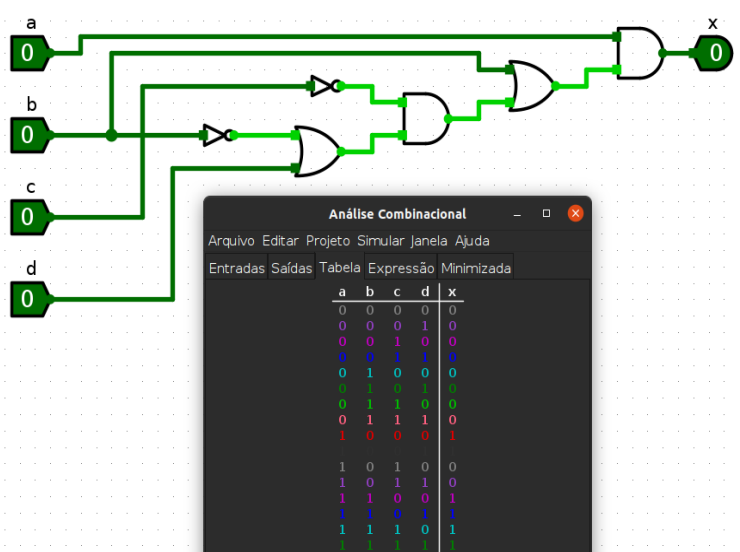
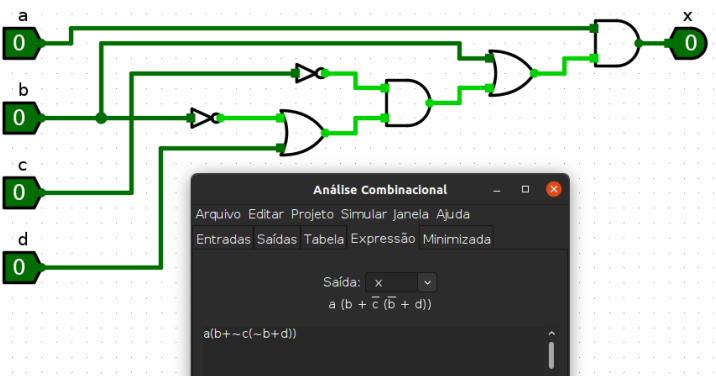
RELATÓRIO 6

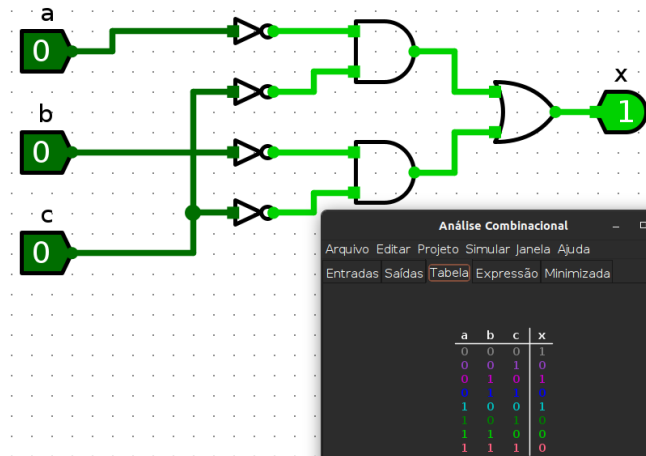
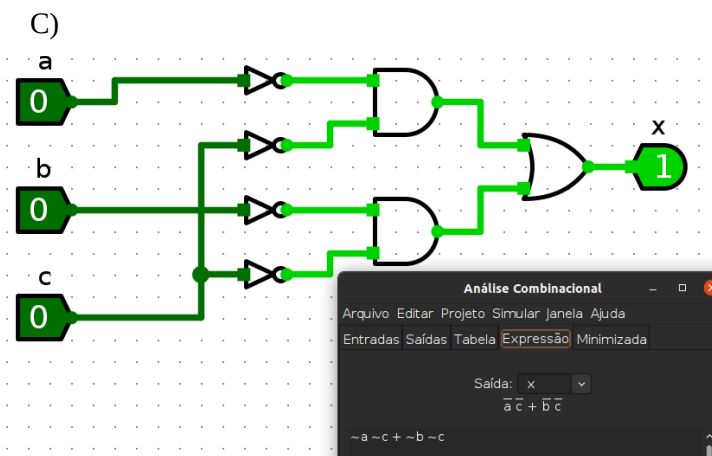
ATIVIDADE 1

A)



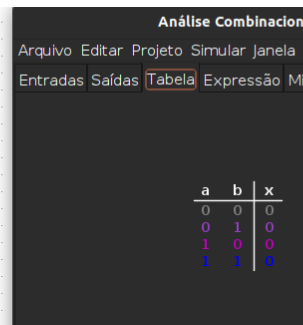
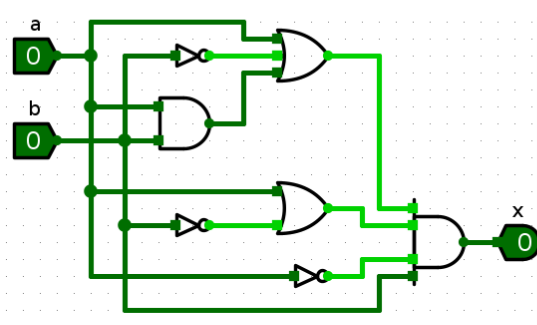
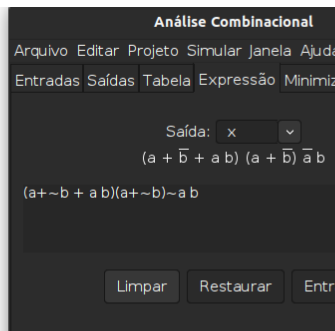
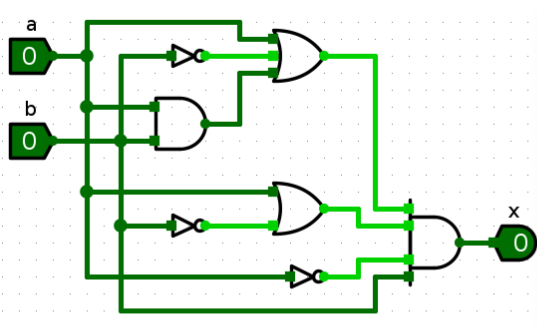
B)



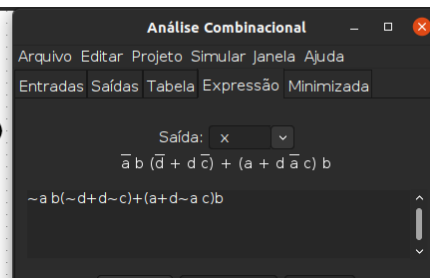
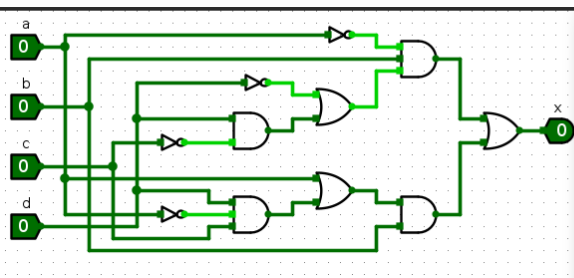


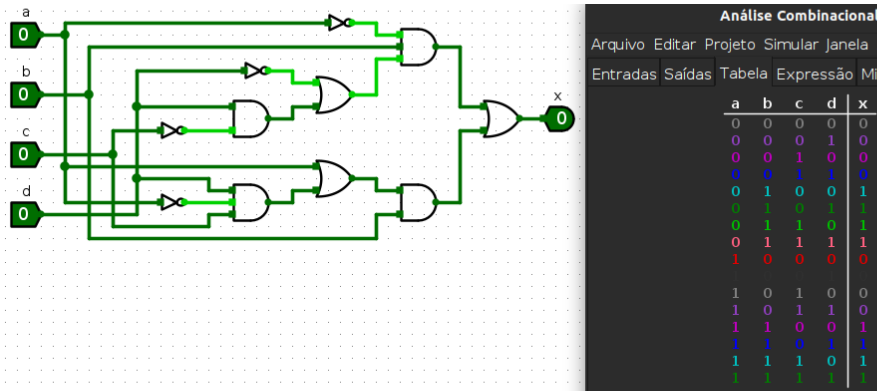
ATIVIDADE 2

A)

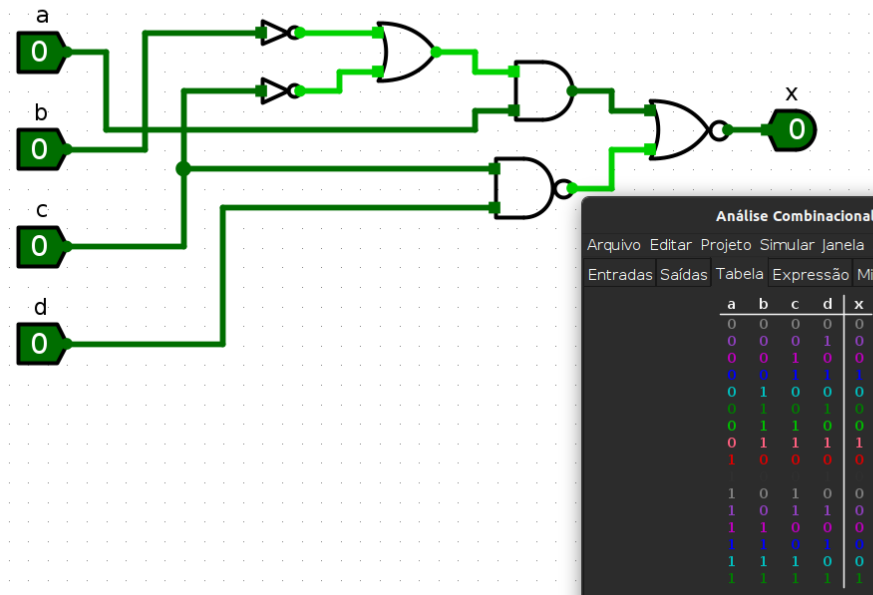
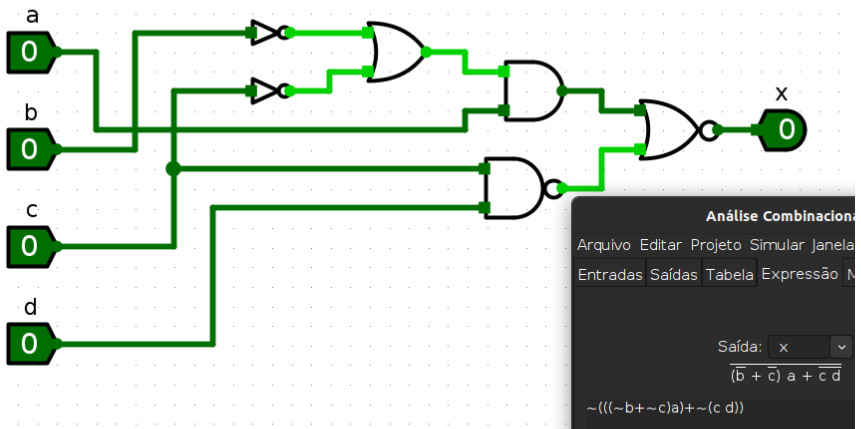


B)





C)



ATIVIDADE 3

A
0

B
0

C
0

D
0

X
0

Análise Combinacional

Arquivo Editar Projeto Simular Janela Aju

Entradas Saídas Tabela Expressão Minin

Saída: x

$\overline{A} \overline{B} \overline{C} \overline{D} (B C + C D)$

$\sim (A B C) \sim (A C D) (B C + C D)$

Limpar Restaurar Entr

A
0

B
0

C
0

D
0

X
0

Análise Combinacional

Arquivo Editar Projeto Simular Janela A

Entradas Saídas Tabela Expressão Min

A	B	C	D	x
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	0
1	0	1	0	0
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

ATIVIDADE 4

Temperatura
0

Pressão
0

RPM
0

Aviso
0

Análise Combinacional

Arquivo Editar Projeto Simular Janela Ajuda

Entradas Saídas Tabela Expressão Minimizada

Saída: Aviso

Temperatura RPM + Temperatura Pressão

Temperatura RPM + Temperatura Pressão

Temperatura
0

Pressão
0

RPM
0

Aviso
0

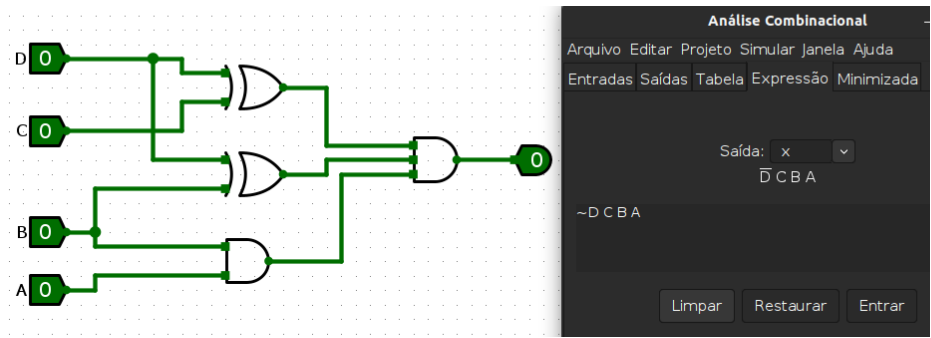
Análise Combinacional

Arquivo Editar Projeto Simular Janela Ajuda

Entradas Saídas Tabela Expressão Minimizada

Temperatura	Pressão	RPM	Aviso
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	0
1	0	0	0
1	0	1	1
1	1	0	1
1	1	1	1

ATIVIDADE 5



ATIVIDADE 6

