Lista Boolean

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Exercício 1

A	B	C	D	E	S1	S2	S
0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0
0	0	0	1	0	0	0	0
0	0	0	1	1	0	1	0
0	0	1	0	0	0	0	0
0	0	1	0	1	0	0	0
0	0	1	1	0	0	0	0
0	0	1	1	1	0	1	0
0	1	0	0	0	0	0	0
0	1	0	0	1	0	0	0
0	1	0	1	0	0	0	0
0	1	0	1	1	0	1	0
0	1	1	0	0	0	0	0
0	1	1	0	1	0	0	0
0	1	1	1	0	0	0	0
0	1	1	1	1	0	1	0
1	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0
1	0	0	1	0	0	0	0
1	0	0	1	1	0	1	0
1	0	1	0	0	0	0	0
1	0	1	0	1	0	0	0
1	0	1	1	0	0	0	0
1	0	1	1	1	0	1	0
1	1	0	0	0	0	0	0
1	1	0	0	1	0	0	0
1	1	0	1	0	0	0	0
1	1	0	1	1	0	1	0
1	1	1	0	0	1	0	0
1	1	1	0	1	1	0	0
1	1	1	1	0	1	0	0
1	1	1	1	1	1	1	1

Expressão lógica

S=(A*B*C)*(D*E)

Exercício 2

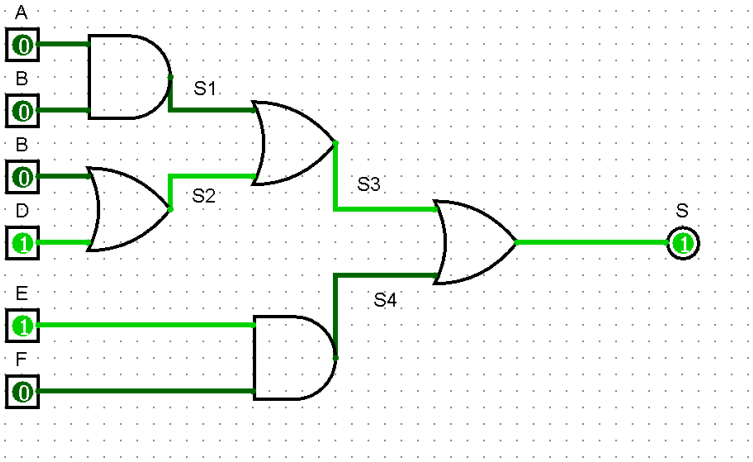
A	B	C	D	E	S1	S2	S
0	0	0	0	0	0	0	1
0	0	0	0	1	0	1	1
0	0	0	1	0	0	1	1
0	0	0	1	1	0	1	1
0	0	1	0	0	1	0	1
0	0	1	0	1	1	1	0
0	0	1	1	0	1	1	0
0	0	1	1	1	1	1	0
0	1	0	0	0	1	0	1
0	1	0	0	1	1	1	0
0	1	0	1	0	1	1	0
0	1	0	1	1	1	1	0
0	1	1	0	0	1	0	1
0	1	1	0	1	1	1	0
0	1	1	1	0	1	1	0
0	1	1	1	1	1	1	0
1	0	0	0	0	1	0	1
1	0	0	0	1	1	1	0
1	0	0	1	0	1	1	0
1	0	0	1	1	1	1	0
1	0	1	0	0	1	0	1
1	0	1	0	1	1	1	0
1	0	1	1	0	1	1	0
1	0	1	1	1	1	1	0
1	1	0	0	0	1	0	1
1	1	0	0	1	1	1	0
1	1	0	1	0	1	1	0
1	1	0	1	1	1	1	0
1	1	1	0	0	1	0	1
1	1	1	0	1	1	1	0
1	1	1	1	0	1	1	0
1	1	1	1	1	1	1	0

Expressão lógica

S=!((A+B+C)*(D*E))

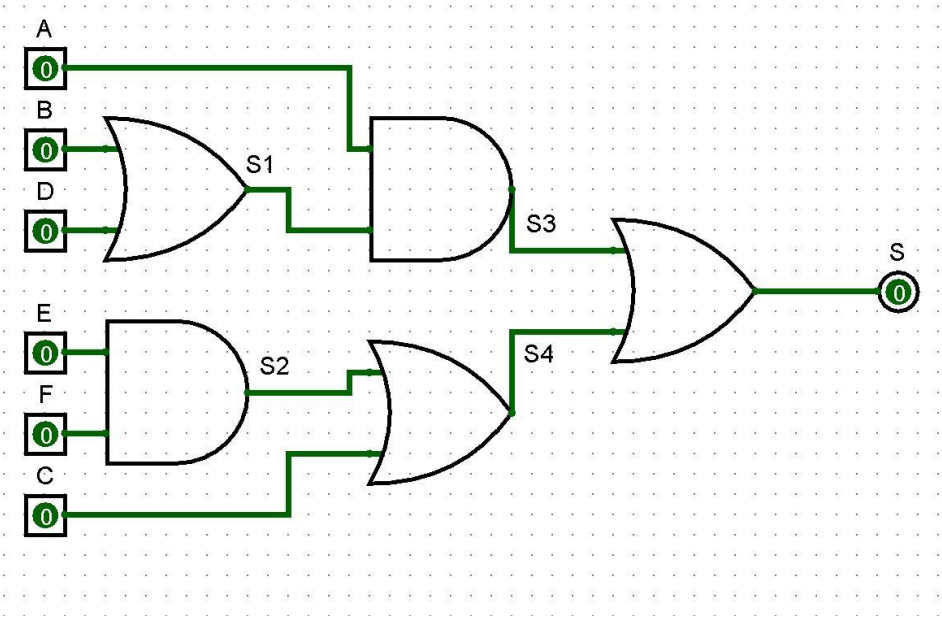
Exercício 3

A	B	D	E	F	S1	S2	S3	S4	S
0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0
0	0	0	1	0	0	0	1	0	1
0	0	0	1	1	0	0	1	0	1
0	0	1	0	0	0	1	0	1	1
0	0	1	0	1	0	1	1	1	1
0	0	1	1	0	0	1	1	1	1
0	0	1	1	1	0	1	1	1	1
0	1	0	0	0	0	1	0	1	1
0	1	0	0	1	0	1	1	1	1
0	1	0	1	0	0	1	1	1	1
0	1	0	1	1	0	1	1	1	1
0	1	1	0	0	0	1	0	1	1
0	1	1	0	1	0	1	1	1	1
0	1	1	1	0	0	1	1	1	1
0	1	1	1	1	0	1	1	1	1
1	0	0	0	0	0	0	0	0	0
1	0	0	0	1	0	0	1	0	1
1	0	0	1	0	0	0	1	0	1
1	0	0	1	1	0	0	1	0	1
1	0	1	0	0	0	1	0	1	1
1	0	1	0	1	0	1	1	1	1
1	0	1	1	0	0	1	1	1	1
1	0	1	1	1	0	1	1	1	1
1	1	0	0	0	1	1	0	1	1
1	1	0	0	1	1	1	1	1	1
1	1	0	1	0	1	1	1	1	1
1	1	0	1	1	1	1	1	1	1
1	1	1	0	0	1	1	0	1	1
1	1	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1

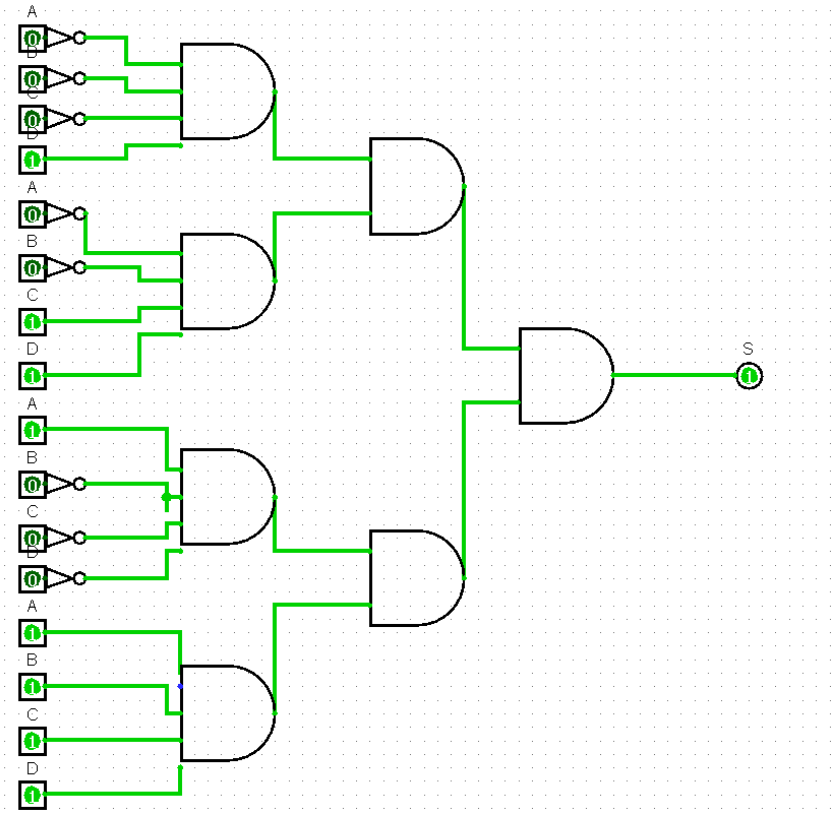


Exercício 4

A	B	C	D	E	F	S1	S2	S3	S4	S
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	1	0	1	0	1	1
0	0	0	1	0	0	1	0	0	0	0
0	0	0	1	0	1	1	0	0	0	0
0	0	0	1	1	0	1	0	0	0	0
0	0	0	1	1	1	1	1	0	1	1
0	0	1	0	0	0	0	0	0	1	1
0	0	1	0	0	1	0	0	0	1	1
0	0	1	0	1	0	0	0	0	1	1
0	0	1	0	1	1	0	1	0	1	1
0	0	1	1	0	0	1	0	0	1	1
0	0	1	1	0	1	1	0	0	1	1
0	0	1	1	1	0	1	0	0	1	1
0	0	1	1	1	1	1	1	0	1	1
0	1	0	0	0	0	1	0	0	0	0
0	1	0	0	0	1	1	0	0	0	0
0	1	0	0	1	0	1	0	0	0	0
0	1	0	0	1	1	1	1	0	1	1
0	1	0	1	0	0	1	0	0	0	0
0	1	0	1	0	1	1	0	0	0	0
0	1	0	1	1	0	1	0	0	0	0
0	1	0	1	1	1	1	1	0	1	1
0	1	1	0	0	0	1	0	0	1	1
0	1	1	0	0	1	1	0	0	1	1
0	1	1	0	1	0	1	0	0	1	1
0	1	1	0	1	1	1	1	0	1	1
0	1	1	1	0	0	1	0	0	1	1
0	1	1	1	0	1	1	0	0	1	1
0	1	1	1	1	0	1	0	0	1	1
0	1	1	1	1	1	1	1	0	1	1
1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	1	0	0	1	0	1
1	0	0	0	1	0	0	0	0	0	0
1	0	0	0	1	1	0	1	1	1	1
1	0	0	1	0	0	1	0	0	0	0
1	0	0	1	0	1	1	0	1	0	1
1	0	0	1	1	0	1	0	0	0	0
1	0	0	1	1	1	1	1	1	1	1
1	0	1	0	0	0	0	0	0	1	1
1	0	1	0	0	1	0	0	1	1	1
1	0	1	0	1	0	0	0	0	1	1
1	0	1	0	1	1	0	1	1	1	1
1	0	1	1	0	0	1	0	0	1	1
1	0	1	1	0	1	1	0	1	1	1
1	0	1	1	1	0	1	0	0	1	1
1	0	1	1	1	1	1	1	1	1	1
1	1	0	0	0	0	1	0	0	0	0
1	1	0	0	0	1	1	0	1	0	1
1	1	0	0	1	0	1	0	0	0	0
1	1	0	0	1	1	1	1	1	1	1
1	1	0	1	0	0	1	0	0	0	0
1	1	0	1	0	1	1	0	1	0	1
1	1	0	1	1	0	1	0	0	0	1
1	1	0	1	1	1	1	1	1	1	1
1	1	1	0	0	0	1	0	0	1	1
1	1	1	0	0	1	1	0	1	1	1
1	1	1	0	1	0	1	0	0	1	1
1	1	1	0	1	1	1	1	1	1	1
1	1	1	1	0	0	1	0	0	1	1
1	1	1	1	0	1	1	0	1	1	1
1	1	1	1	1	0	1	0	0	1	1
1	1	1	1	1	1	1	1	1	1	1



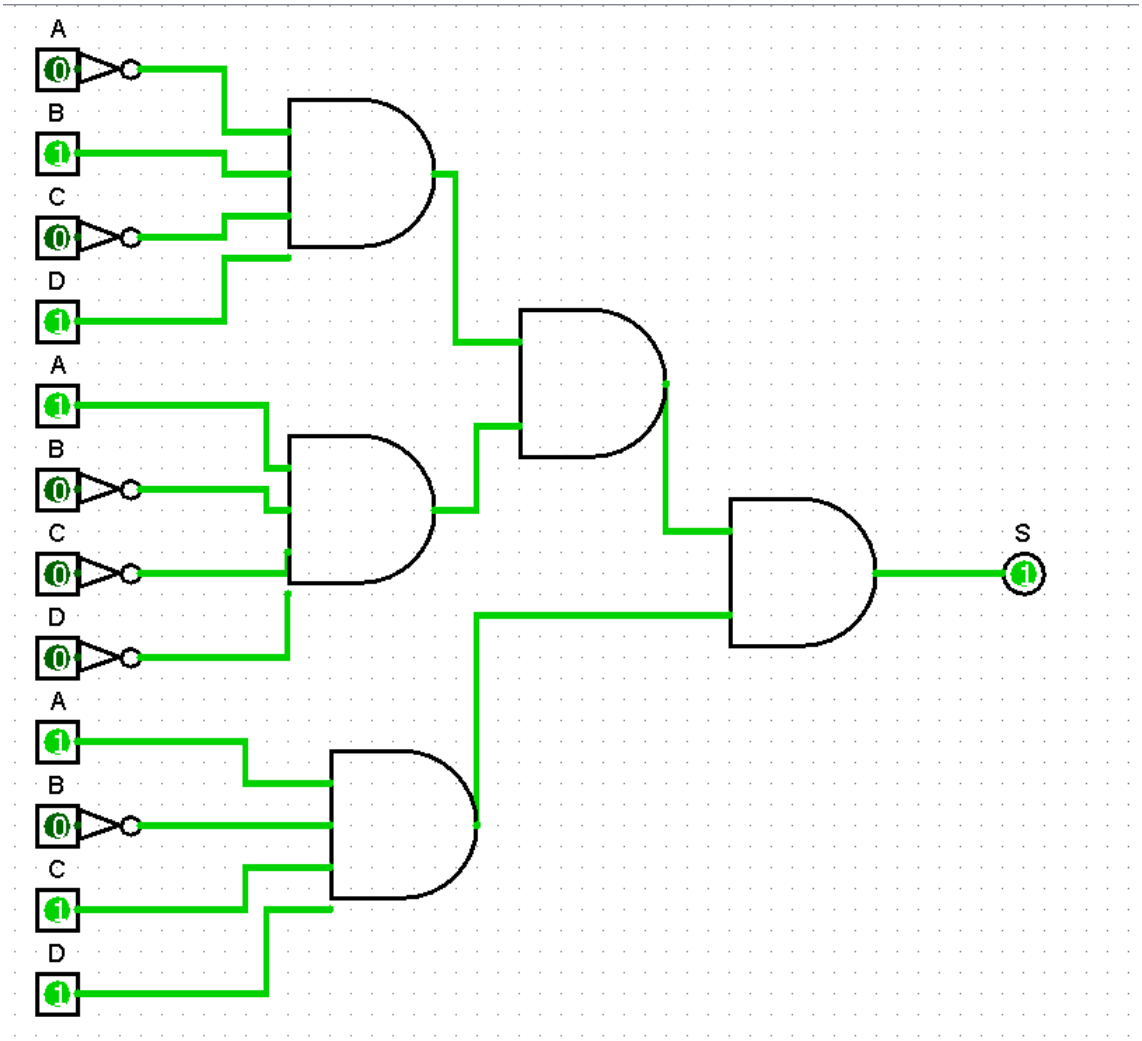
Exercício 5



Expressão lógica:

S=((!A*!B*!C*D)*(!A*!B*C*D))*((A*!B*!C*!D)*(A*B*C*D))

Exercício 6



Expressão lógica:

S=((!A*B*!C*D)*(A*!B*!C*!D))*(A*!B*C*D)