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Turma: 1° Semestre ADS B

Tabela verdade									Saída
A	B	C	D	E	A * B	C*D	S1+S2+E	S3*E	!S0
0	0	0	0	0	0	0	0	0	1
0	0	0	0	1	0	0	1	1	0
0	0	0	1	0	0	0	0	0	1
0	0	0	1	1	0	0	1	1	0
0	0	1	0	0	0	0	0	0	1
0	0	1	0	1	0	0	1	1	0
0	0	1	1	0	0	1	1	0	1
0	0	1	1	1	0	1	1	1	0
0	1	0	0	0	0	0	0	0	1
0	1	0	0	1	0	0	1	1	0
0	1	0	1	0	0	0	1	1	0
0	1	0	1	1	0	0	0	0	1
0	1	1	0	0	0	0	0	0	1
0	1	1	0	1	0	0	1	1	0
0	1	1	1	0	0	1	1	0	1
0	1	1	1	1	0	1	1	1	0
1	0	0	0	0	0	0	0	0	1
1	0	0	0	1	0	0	1	1	0
1	0	0	1	0	0	0	0	0	1
1	0	0	1	1	0	0	1	1	0
1	0	1	0	0	0	0	0	0	1
1	0	1	0	1	0	0	1	1	0
1	0	1	1	0	0	1	1	0	1
1	0	1	1	1	0	1	1	1	0
1	1	0	0	0	1	0	1	0	1
1	1	0	0	1	1	0	1	1	0
1	1	0	1	0	1	0	1	0	1
1	1	0	1	1	1	0	1	1	0
1	1	1	0	0	1	0	1	0	1
1	1	1	0	1	1	0	1	1	0
1	1	1	1	0	1	0	1	0	1
1	1	1	1	1	1	0	1	1	0
1	1	1	1	1	1	1	1	0	1
1	1	1	1	1	1	1	1	1	0

#### Formula

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

1 ° passo : A and B

2 ° passo : C and S

3 ° passo : S1 or S2 or E

4 ° passo : S3 and E

5 ° passo : Negação S0