

a	Ъ	С	x
0	0	0	0
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	0
1	0	1	0
1	1	0	0
1	1	1	1

a	b	c	x
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	0
1	0	1	0
1	1	0	0
1		1	0

Questão 2 - b

a	b	С	x
0	0	0	1
0	0	1	1
0	1	0	1
0	1	1	0
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	1

а	b	C	d	X
0	0	0	0	1
0	0	0	1	1
0	0	1	0	0
0	0	1	1	0
0	1	0	0	0
0	1	0	1	1
0	1	1	0	1
0	1	1	1	0
1	0	0	0	1
1	0	0	1	1
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	0

Questão 3 - a

a	b	С	d	x
0	0	0	0	0
0	0	0	1	0
0	0	1	0	0
0	0	1	1	0
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	1
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	0
1	1	1	1	0

Questão 3 - b

a	b	c	d	x
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	1
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	1
1	0	1	0	0
1	0	1	1	1
1	1	0	0	1
1	1	0	1	1
1	1	1	0	1
1	1	1	1	1

Questão 3 - c

S=(a,b,c,d) = sum(m0, m1, m5, m6, m8, m9, m12, m13, m14))

Minitermo	
'a . 'b . 'c . 'd	
'a . 'b . 'c . d	
'a.b.'c.d	
'a.b.c.'d	
a . 'b . 'c . 'd	
a . 'b . 'c . d	
a.b.'c.'d	' negado
a.b.'c.d	
a.b.c.'d	
	'a.'b.'c.d 'a.b.'c.d 'a.b.c.'d a.'b.'c.'d a.'b.'c.d a.b.'c.d a.b.'c.d

S = (a,b,c,d) = sum(m4, m5, m6, m7, m8, m9, m10, m11, m12, m13)

	Minitermo	
4	'a . b . 'c . 'd	
5	'a.b.'c.d	
6	'a.b.c.'d	
7	'a.b.c.d	
8	a . 'b . 'c . 'd	
9	a.'b.'c.d	
10	a.'b.c.'d	' negado
11	a.b.'c.d	
12	a.b.'c.'d	
13	a.b.'c.d	

. Questão 4 - b

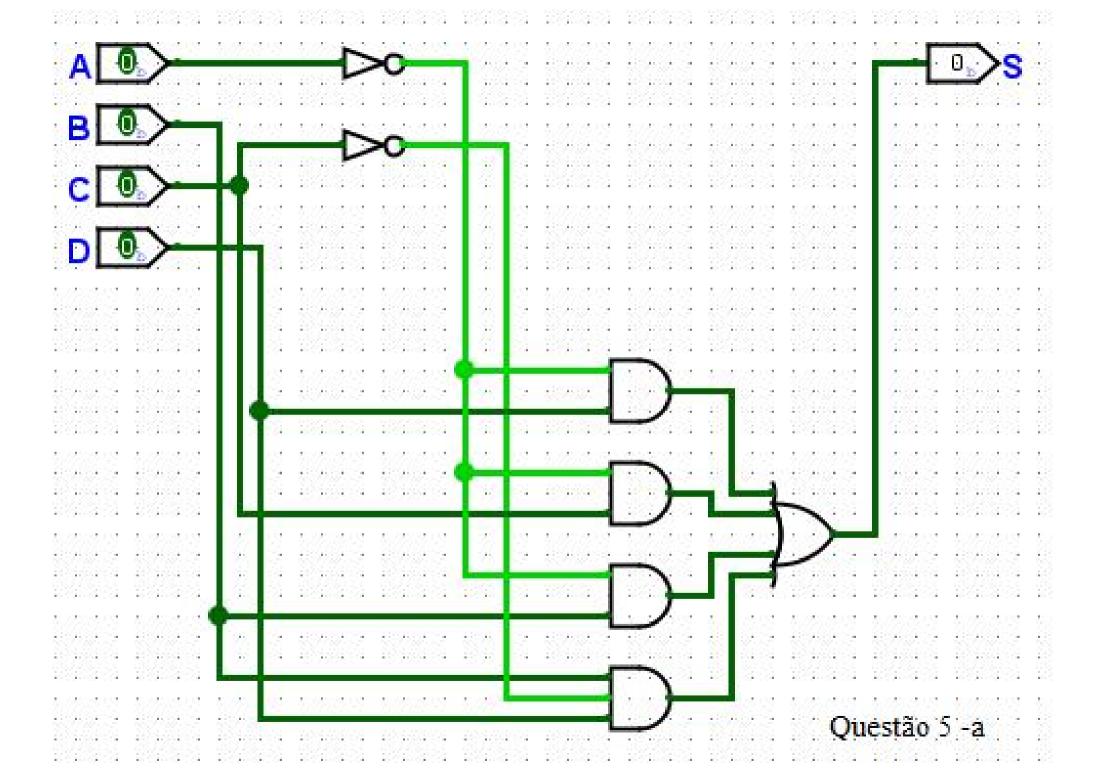
S = (a,b,c,d = sum(m0, m1, m2, m3, m4, m5, m6, m7, m8, m9, m10, m12, m13, m14, m15)

	Minitermo	
0	'a . 'b . 'c . 'd	
1	'a . 'b . 'c . d	
2	'a . 'b . c . 'd	
3	'a.'b.c.d	
4	'a.b.c.d	
5	'a.b.'c.d	
6	'a.b.c.'d	' negado
7	a.b.c.d	
8	a.'b.'c.'d	
9	a.'b.'c.d	
10	a.'b.c.'d	
12	a.b.'c.'d	
13	a.b.'c.d	
14	a.b.c.'d	
15	a.b.c.'d	
16	a.b.c.d	

Questão 4 - c

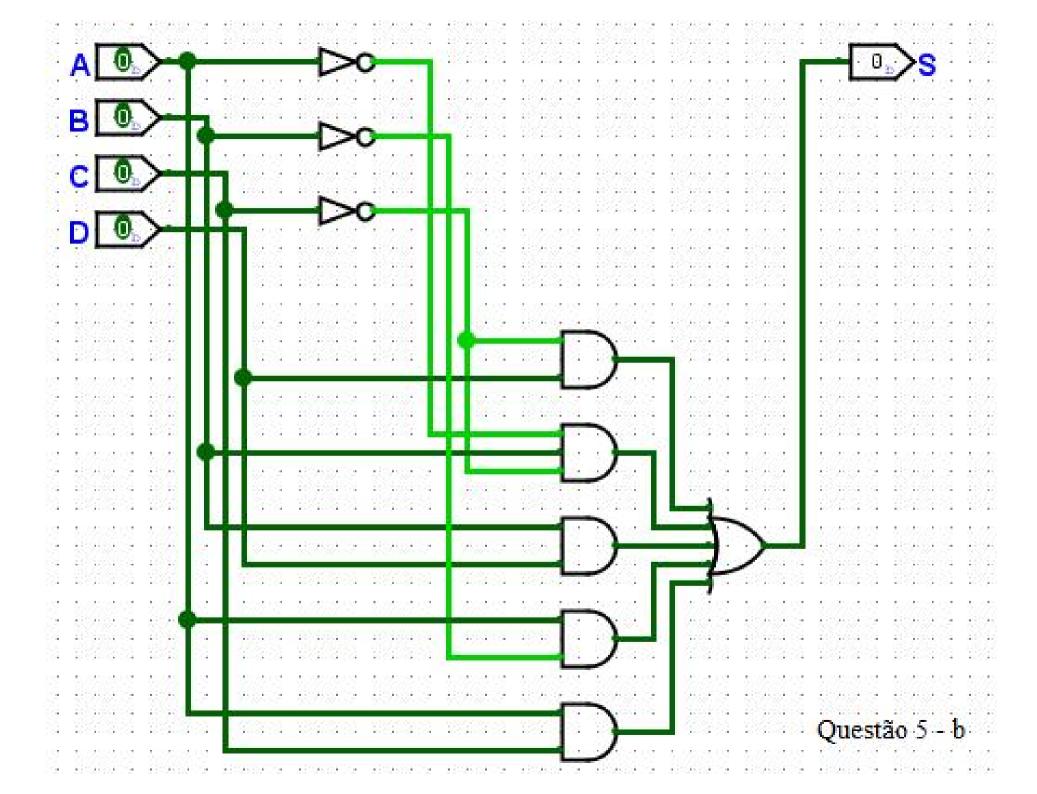
	Minitermo	
1	'a . 'b . 'c . d	
2	'a . 'b . c . 'd	
3	'a . 'b . c . d	
4	'a . b . 'c . 'd	
5	'a . b . 'c . d	
6	'a.b.c.'d	
7	'a.b.c.d	' negado
13	'a . 'b . c . 'd	

Questão 5 - a



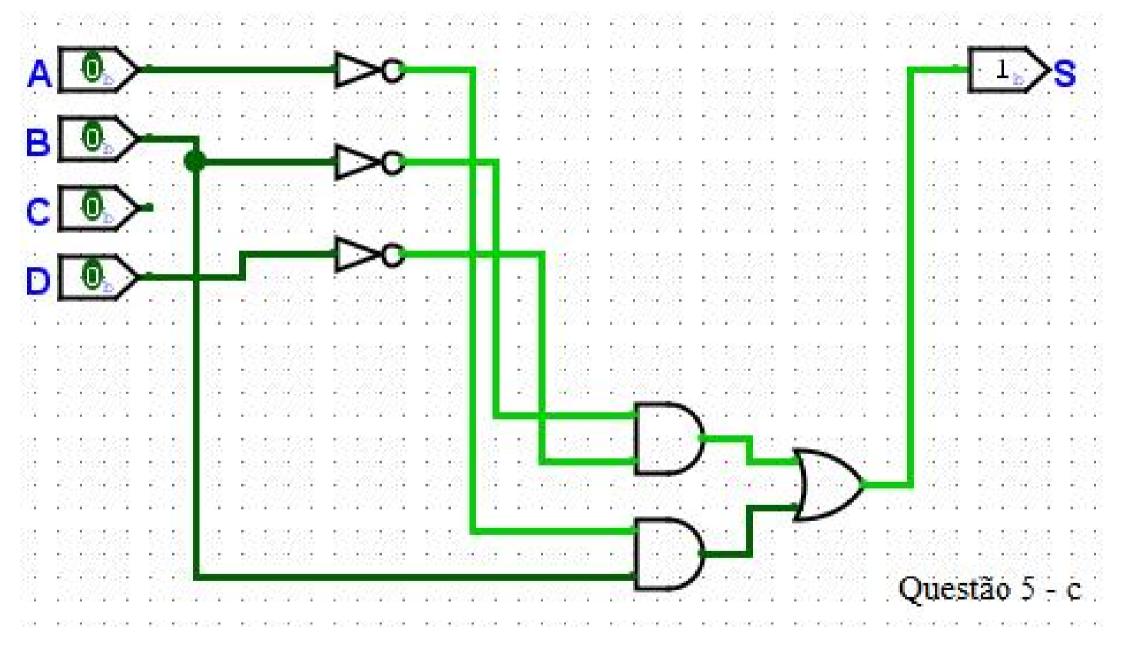
	Maxtermo
0	a + b + c + d
2	a.+b+'c+d
3	a + 'b + 'c + 'd
6	a+'b + 'c + d
12	'a + 'b + c + d

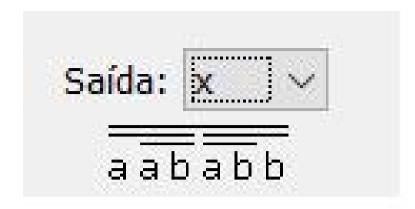
Questão 5 - b



2535	Minitermo	
	'a . 'b . 'c . 'd	
2	'a . 'b . c . 'd	
4	'a . b . 'c . 'd	
5	'a.b.'c.d	
6	'a.b.c.d	
7	'a.b.c.d	
8	a . 'b . 'c . 'd	' negado
10	'a.b.'c.d	

Questão 5 - c





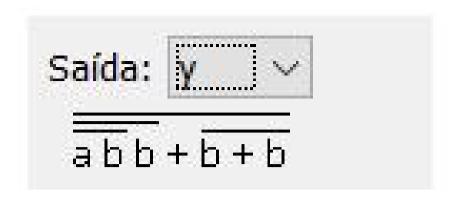


Tabela verdade

a	b	X	y	
0	0	0	0	
	1	1	1	
1	0	1	0	
1	1	0	0	

Questão 6 - a

Tabela verdade

а	b	С	x	
8	8	8	0	
0	0	1	0	
0	1	0	0	
0	1	1	1	
1	0	0	0	
1	0	1	1	
1	1	0	0	
1	1	1	1	

Questão 6-h