Obligatorisk oppgave 1

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gruppe 1
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Sannhetstabell.

x_0	x_1	x_2		a	b	c	d	e	f	g
0	0	0	|	1	1	1	1	1	1	0
0	0	1	|	0	1	1	0	0	0	0
0	1	0	|	1	1	0	1	1	0	1
0	1	1	|	1	1	1	1	0	0	1
1	0	0	|	0	1	1	0	0	1	1
1	0	1	|	1	0	1	1	0	1	1
1	1	0	|	0	0	1	1	1	1	1
1	1	1	|	x	x	x	x	x	x	x

Funksjoner:

a = x'y + xzy' + x'z'

b = x' + y'z'

c = x'z + xz'

d = x'z' + x'y + yz' +xy'z

e = x'z' + yz'

f = y'z' + xy' + xz'

g = yx' + xy' + xz'

Karnaugh på neste side.

a)

yz / x	00	01	11	10
0	1		1	1
1		1		

b)

yz / x	00	01	11	10
0	1	1	1	1
1	1			

c)

yz / x	00	01	11	10
0	1	1	1	
1	1	1		1

d)

yz / x	00	01	11	10
0	1		1	1
1		1		1

e)

yz / x	00	01	11	10
0	1			1
1				1

f)

yz / x	00	01	11	10
0	1			
1	1	1		1

g)

yz / x	00	01	11	10
0			1	1
1	1	1		1