

Dæmaskammtur 2 - GHSR

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2.1

a)

x	y	z	$(x+y+z)'$	$x'y'z'$	x	y	z	$(xyz)'$	$x'+y'+z'$
1	1	1	0	0	1	1	1	0	0
0	1	1	0	0	0	1	1	1	1
1	0	1	0	0	1	0	1	1	1
0	0	1	0	0	0	0	1	1	1
1	1	0	0	0	1	1	0	1	1
0	1	0	0	0	0	1	0	1	1
1	0	0	0	0	1	0	0	1	1
0	0	0	1	1	0	0	0	1	1

b)

x	y	z	$x+yz$	$(x+y)(x+z)$
1	1	1	1	1
0	1	1	1	1
1	0	1	1	1
0	0	1	0	0
1	1	0	1	1
0	1	0	0	0
1	0	0	1	1
0	0	0	0	0

c)

x	y	z	$x(y+z)$	$xy+xz$
1	1	1	1	1
0	1	1	0	0
1	0	1	1	1
0	0	1	0	0
1	1	0	1	1
0	1	0	0	0
1	0	0	0	0
0	0	0	0	0

d)

x	y	z	$x+(y+z)$	$(x+y)+z$
1	1	1	1	1
0	1	1	1	1
1	0	1	1	1
0	0	1	1	1
1	1	0	1	1
0	1	0	1	1
1	0	0	1	1
0	0	0	0	0

e)

x	y	z	$x(yz)$	$(xy)z$
1	1	1	1	1
0	1	1	0	0
1	0	1	0	0
0	0	1	0	0
1	1	0	0	0
0	1	0	0	0
1	0	0	0	0
0	0	0	0	0