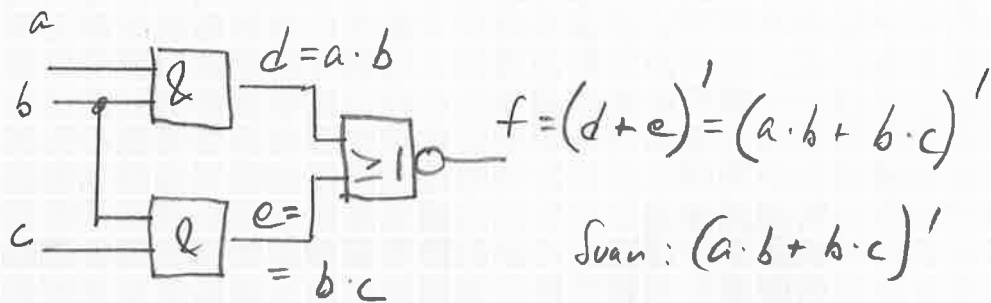


# Övningskrivning ht-14

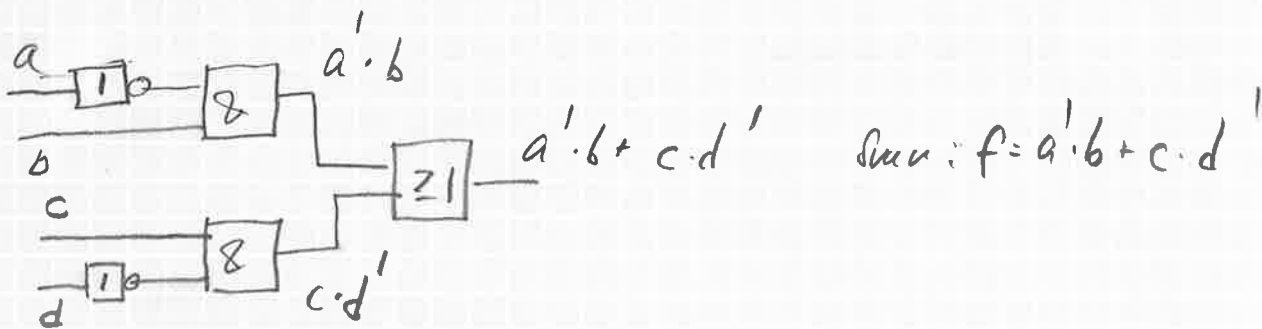
a/



b/

a	b	c	d	e	f
0	0	0	0	0	1
0	0	1	0	0	1
0	1	0	0	0	1
0	1	1	0	1	0
1	0	0	0	0	1
1	0	1	0	0	1
1	1	0	1	0	0
1	1	1	1	1	0

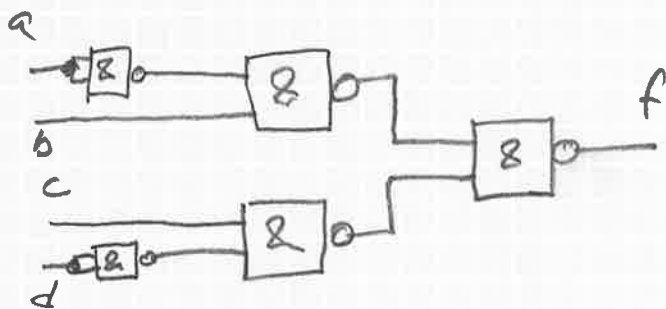
a/



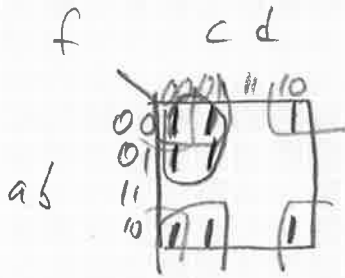
b/

$$f = (a' \cdot b + c \cdot d')'' = ((a' \cdot b)' \cdot (c \cdot d')')'$$

deMorgan



$$f = \underline{a' \cdot c'} + a' \cdot b' \cdot c \cdot d + a \cdot b' \cdot c' \cdot d + a \cdot b' \cdot c \cdot d' + a \cdot b' \cdot c' \cdot d'$$



$$f = a' \cdot c' + b' \cdot c' + b' \cdot d'$$

4) a)  $130 = 128 + 2 = 10000010_2$

$$10100010_2 = 202_8$$

$$100010010_2 = 82_{16}$$

5) Se läroboken!