

$$\begin{array}{r} 26 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 26 \\ 19 \\ \hline 1 \\ 5 \end{array}$$

$$\begin{array}{r} 26 \\ 19 \\ \hline 2 \\ 45 \end{array}$$

$$\begin{aligned} 0+0 &= 0 \\ 0+1 &= 1 \\ 1+0 &= 1 \\ 1+1 &= 0 \text{ "1"} \end{aligned}$$

11010	11010	11010	11010	11010	11010	11010
10011	10011	10011	10011	10011	10011	10011
<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	1	01	101	1101	01101	101101

$$\begin{array}{r} 1 \text{ a} \\ 0 \text{ b} \\ \hline 1 \end{array}$$

# Halbaddierer

$$0+0=0$$

$$0+1=1$$

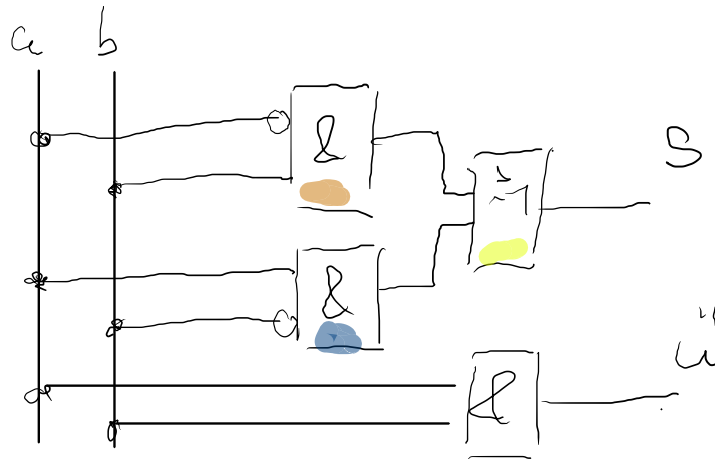
$$1+0=1$$

$$1+1=0 \text{ ü} 1$$

a	b	S	ü
0	0	0	0
0	1	1	0
1	0	1	0
1	1	0	1

$$\text{ü} = a \wedge b$$

$$S = (\bar{a} \wedge b) \vee (a \wedge \bar{b})$$



# Volladdierer

$$\begin{array}{r}
 11a \\
 + 11b \\
 \quad 1c \\
 \hline
 110
 \end{array}$$

a	b	c	S	ü
0	0	0		
0	0	1		
0	1	0		
0	1	1		
1	0	0		
1	0	1		
1	1	0		
1	1	1		