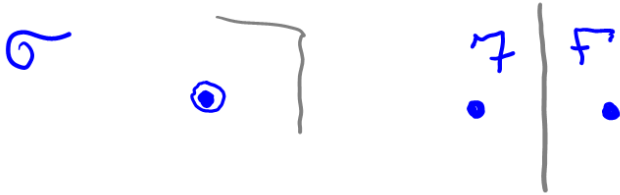
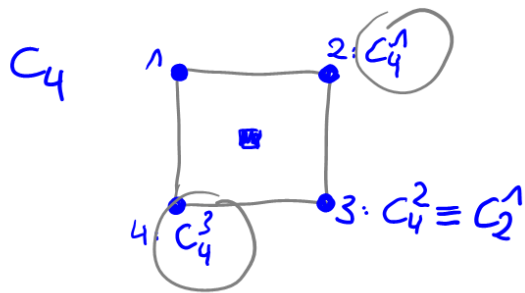
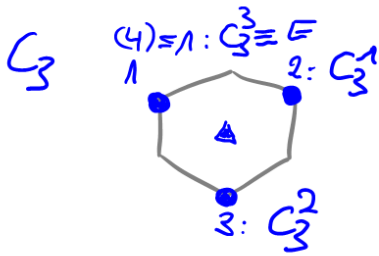
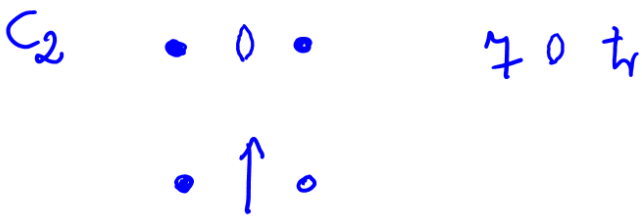


Schönflies: Gruppentheorie

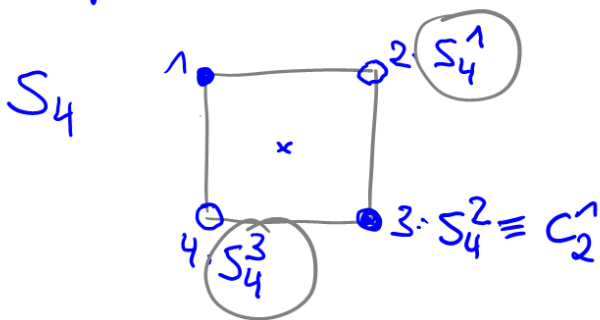
- oberhalb der Zeichenebene
- unterhalb " "

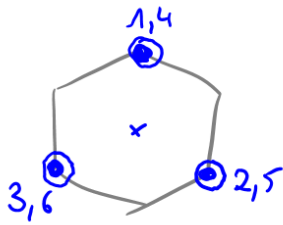
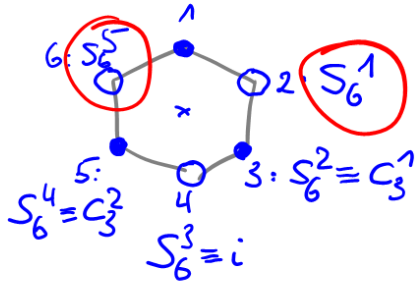


Drehachsen $C_n \frac{360^\circ}{n}$



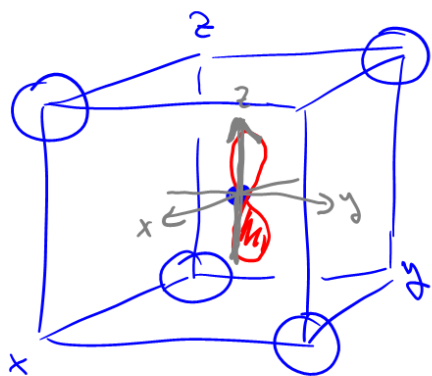
Drehspiegelachsen:



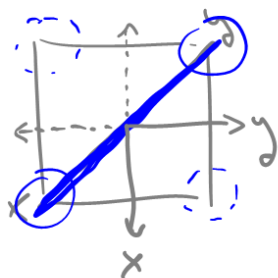
S_3  S_6  $S_2 \equiv i$  $S_1 \equiv \sigma$ 

Charaktertafeln, hier die Symmetriegruppe T_d

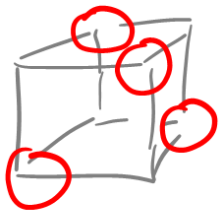
T_d	E	$8C_3$	$3C_2$	$6S_4$	$6\sigma_d$
A_1	1	1	1	1	1
A_2	1	1	1	-1	-1
E	2	-1	2	0	0
T_1	3	0	-1	1	-1
T_2	3	0	-1	-1	1



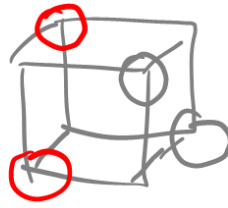
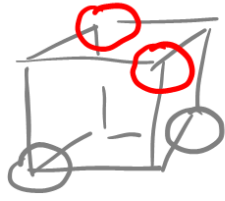
C: $2s, 2p_x, 2p_y, 2p_z^*$
 4H: $1s$



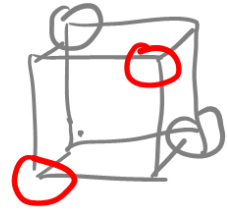
		E	$8C_3$	$3C_2$	$6C_4$	$6\sigma_d$
a_1	C(2s)	1	1	1	1	1
	C(2p _z)	1	0	1	-1	1
	p _x	1	0	-1	0	0
	p _y	1	0	-1	0	0
T_2, t_2	3C(2p)	3	0	-1	-1	1
$a_1 + t_2$	4H	4	1	0	0	2
	- A1 a ₁	1	1	1	1	1
	t_2	3	0	-1	-1	1



a_1



t_2



\equiv
 $a_1 + t_2$