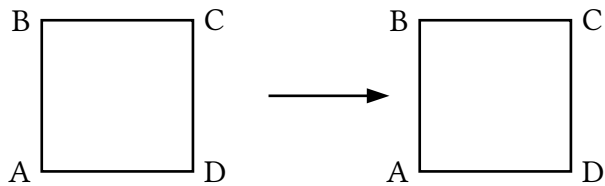


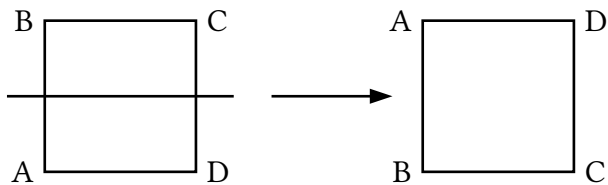
1. Exercise 1.7

1.1. symmetries

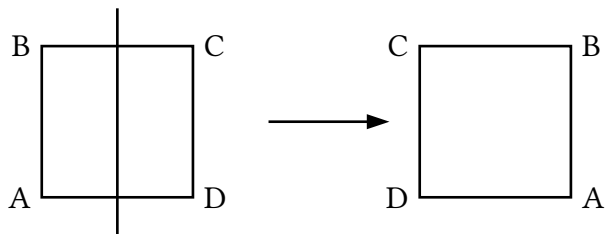
1.1.1. E



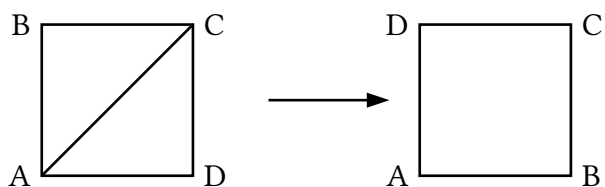
1.1.2. T_1



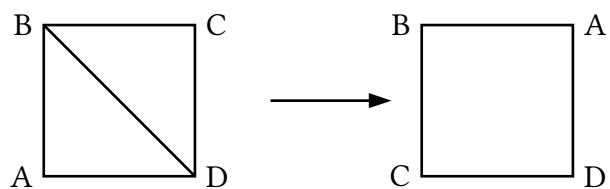
1.1.3. T_2



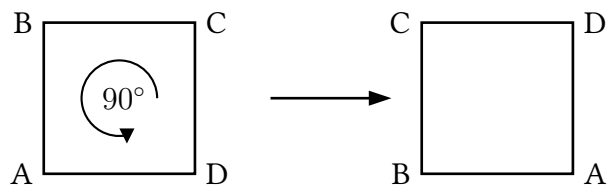
1.1.4. D_1



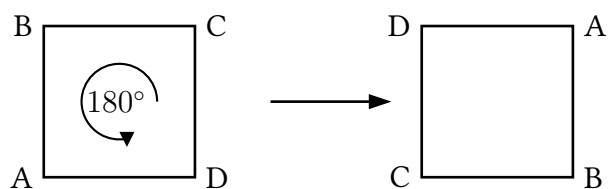
1.1.5. D_2



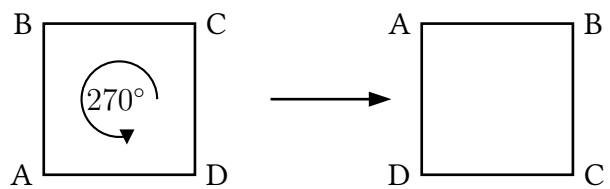
1.1.6. R_1



1.1.7. R_2



1.1.8. R_3



1.2. Order

The order (as you can count) is 8

1.3. Multiplication Table

	E	T_1	T_2	D_1	D_2	R_1	R_2	R_3
E	E	T_1	T_2	D_1	D_2	R_1	R_2	R_3
T_1	T_1	E	R_2	R_3	R_1	D_2	T_2	D_1
T_2	T_2	R_2	E	R_1	R_3	D_1	T_1	D_2
D_1	D_1	R_1	R_3	E	R_2	T_1	D_2	T_2
D_2	D_2	R_3	R_1	R_2	E	T_2	D_1	T_1
R_1	R_1	D_1	D_2	T_2	T_1	R_2	R_3	E
R_2	R_2	T_2	T_1	D_2	D_1	R_3	E	R_1
R_3	R_3	D_2	D_1	T_1	T_2	E	R_1	R_2

1.4. Subgroups

