

Nechť (G, \circ) , $G = \{id, R_{90}, R_{180}, R_{270}, Z_1, Z_2, Z_3, Z_4\}$, je grupa symetrií čtverce spolu s operací skládání zobrazení, kde

$$R_{90} = (ABCD), R_{180} = (AC) \circ (BD), R_{270} = (ADCB),$$

$$Z_1 = (AD) \circ (BC), Z_2 = (DB), Z_3 = (AB) \circ (CD) \text{ a } Z_4 = (AC).$$

Tuto grupu zadáme tabulkou:

\circ	id	R_{90}	R_{180}	R_{270}	Z_1	Z_2	Z_3	Z_4
id	id	R_{90}	R_{180}	R_{270}	Z_1	Z_2	Z_3	Z_4
R_{90}	R_{90}	R_{180}	R_{270}	id	Z_2	Z_3	Z_4	Z_1
R_{180}	R_{180}	R_{270}	id	R_{90}	Z_3	Z_4	Z_1	Z_2
R_{270}	R_{270}	id	R_{90}	R_{180}	Z_4	Z_1	Z_2	Z_3
Z_1	Z_1	Z_4	Z_3	Z_2	id	R_{270}	R_{180}	R_{90}
Z_2	Z_2	Z_1	Z_4	Z_3	R_{90}	id	R_{270}	R_{180}
Z_3	Z_3	Z_2	Z_1	Z_4	R_{180}	R_{90}	id	R_{270}
Z_4	Z_4	Z_3	Z_2	Z_1	R_{270}	R_{180}	R_{90}	id

Př.: $Z_1 \circ R_{270} = [(AD) \circ (BC)] \circ (ADCB) = (BD) = Z_2$