

Symmetry name	1	2	3	4	Cycle form
I	1	2	3	4	(1)(2)(3)(4)
R_{90}	2	3	4	1	(1, 2, 3, 4)
R_{180}	3	4	1	2	(1, 3)(2, 4)
R_{270}	4	1	2	3	(1, 4, 3, 2)
F_H	2	1	4	3	(1, 2)(3, 4)
F_V	4	3	2	1	(1, 4)(2, 3)
$F_/\mathbf{}$	3	2	1	4	(1, 3)(2)(4)
F_\backslash	1	4	3	2	(1)(2, 4)(3)