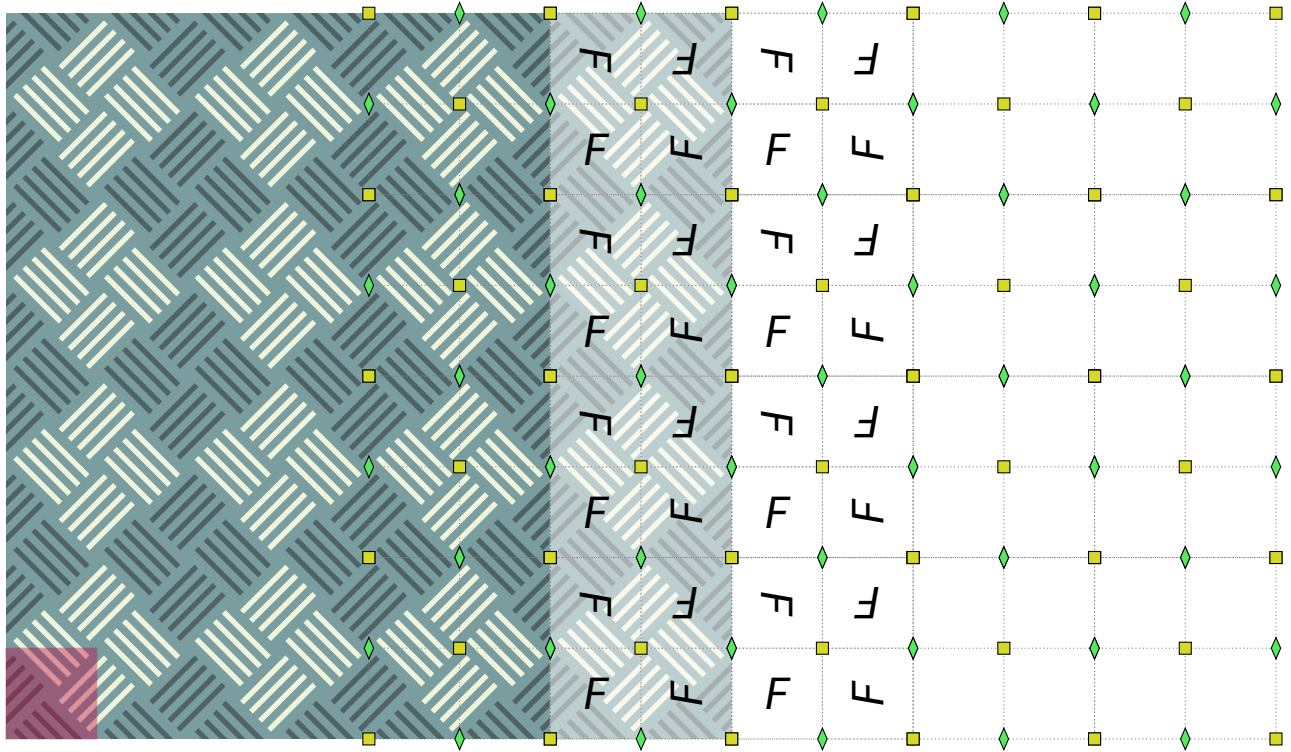


# GROUP: P4



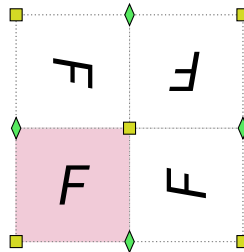
ORBIFOLD SIGNATURE  
442

IUC NOTATION  
p4

COXETER NOTATION  
[4, 4]<sup>+</sup>

LATTICE TYPES  
Square

LATTICE STRUCTURE



SAMPLE CELL



ROTATIONS

◆ **Two Fold Rotations**  
One center of 180° rotation

■ **Four Fold Rotations**  
Two centers of 90° rotation

REFLECTIONS

None

NOTES

Characterized by pinwheel patterns. A checkerboard pattern of two squares with four fold rotational symmetry arranged in rows and columns.

# GROUP: P4

FUNDAMENTAL CELL

SAMPLE TILING

