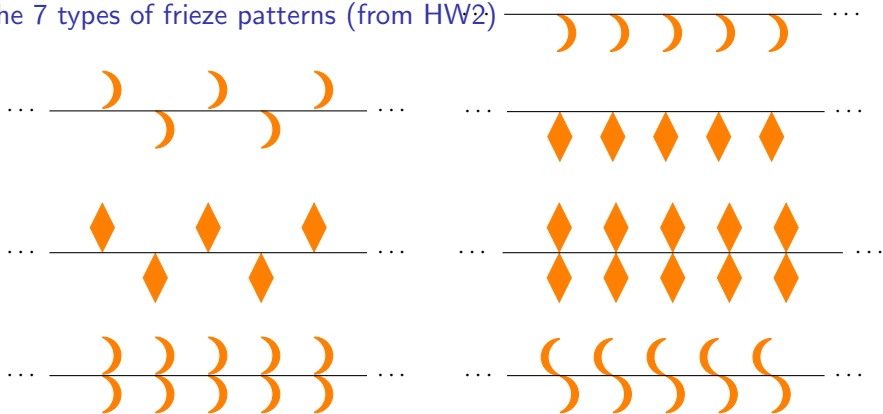


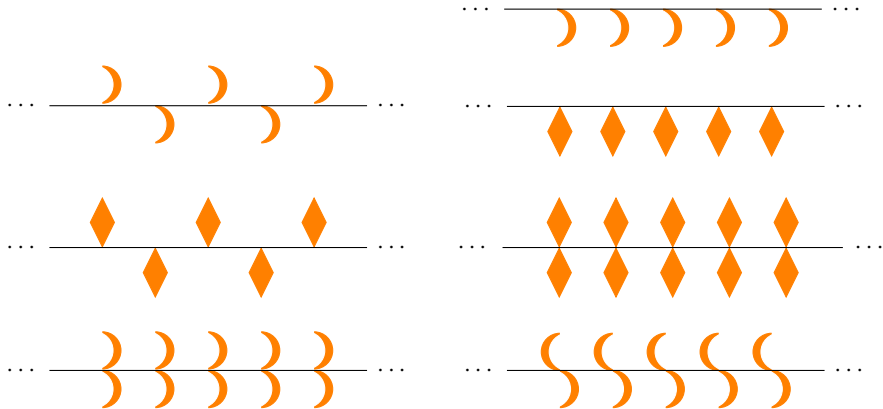
The 7 types of frieze patterns (from HW2)



Questions

1. What basic types of symmetries (translation T , horizontal flip H , vertical flip V , 180° -rotation R , glide reflection G) do these frieze groups have?
2. Give a (minimal) generating set for each frieze group.
Hint: You must be able to write each basic symmetry (THVRG) that a frieze group has using just the letters in the (minimal) generating set. For example, $T = G^2$ for the top-left frieze pattern, and $G = TV$.

The 7 types of frieze patterns (from HW2)



Questions

3. Draw a Cayley diagram for each frieze group
4. Which of these frieze groups are abelian?
5. Which of these frieze patterns have isomorphic frieze groups?