

R				R				R			

Pattern 1



R				R				R			
		Б				Б				Б	

Pattern 2



R				R				R			
Б				Б				Б			

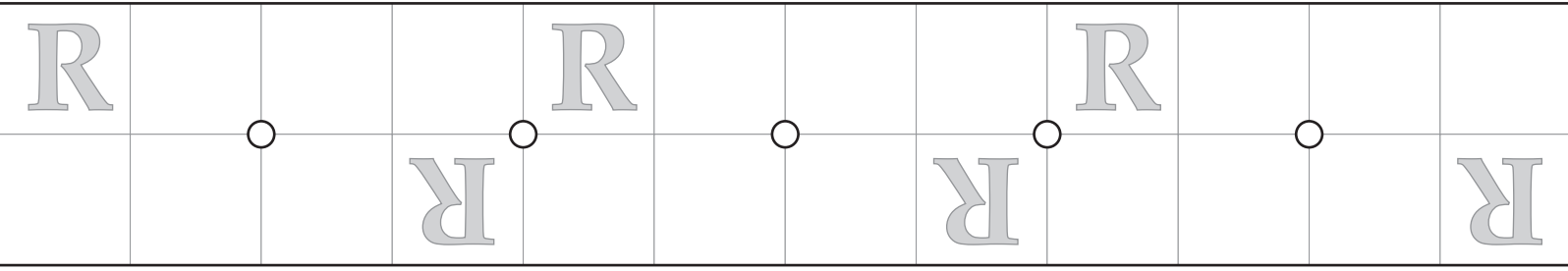
Pattern 3



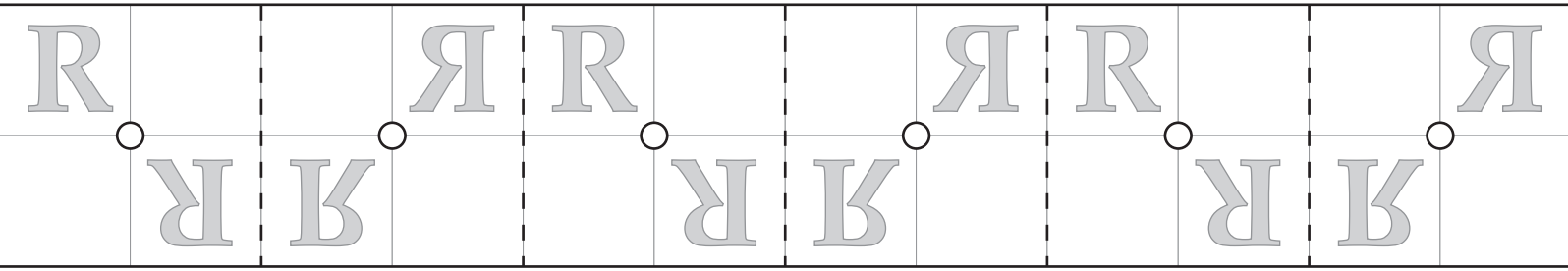
R			Я	R			Я	R			Я

Pattern 4

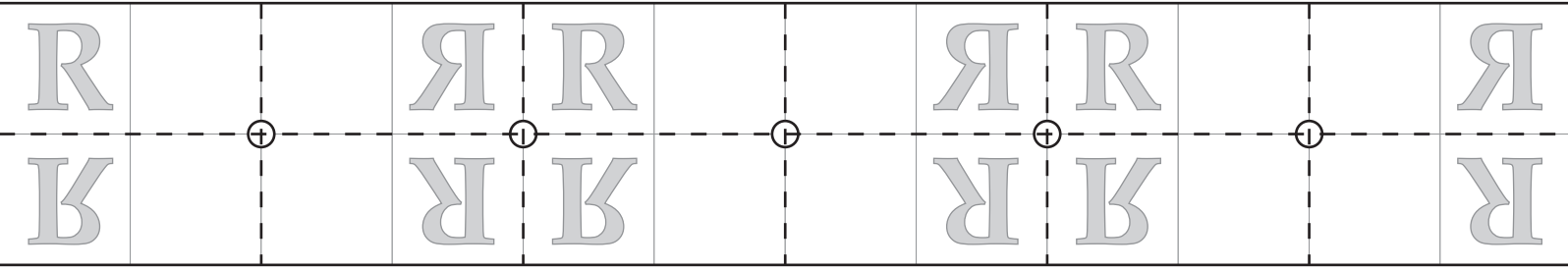




Pattern 5



Pattern 6



Pattern 7

R				R				R			

Pattern 1



R				R				R			
		Б				Б				Б	

Pattern 2



R				R				R			
Б				Б				Б			

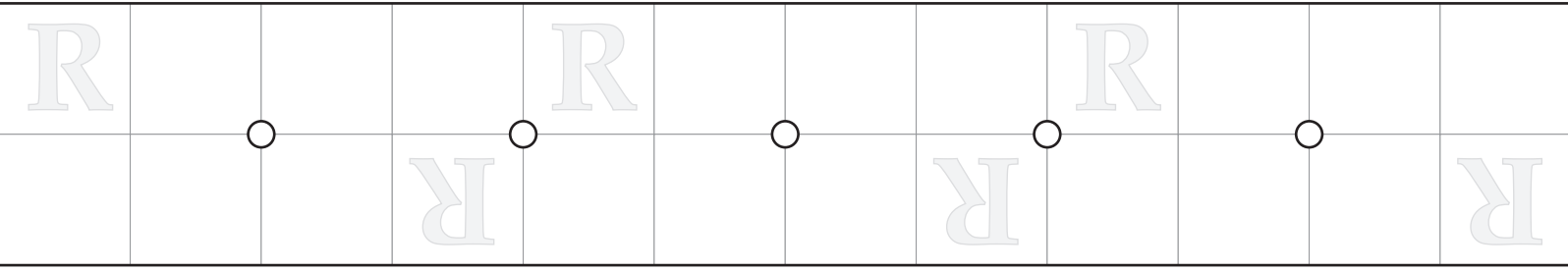
Pattern 3



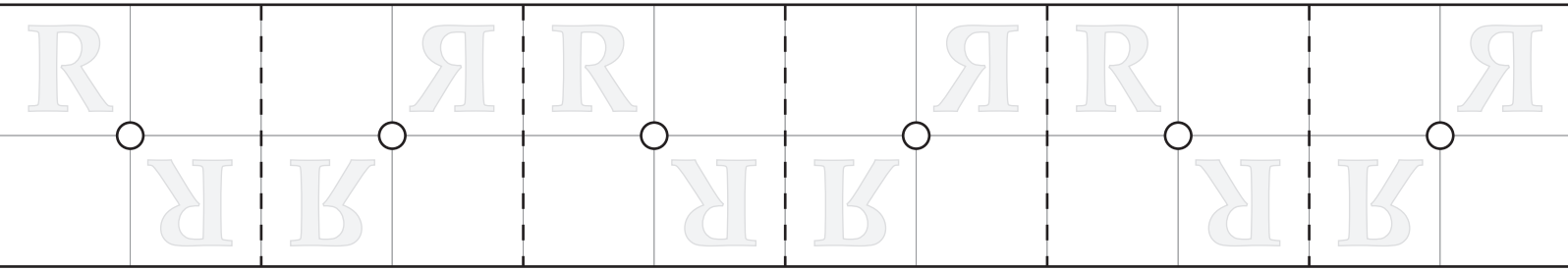
R			Я	R			Я	R			Я

Pattern 4

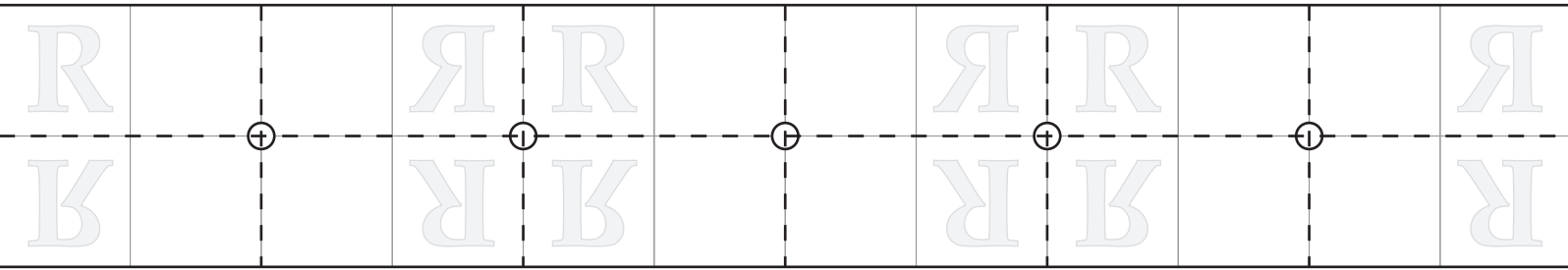




Pattern 5

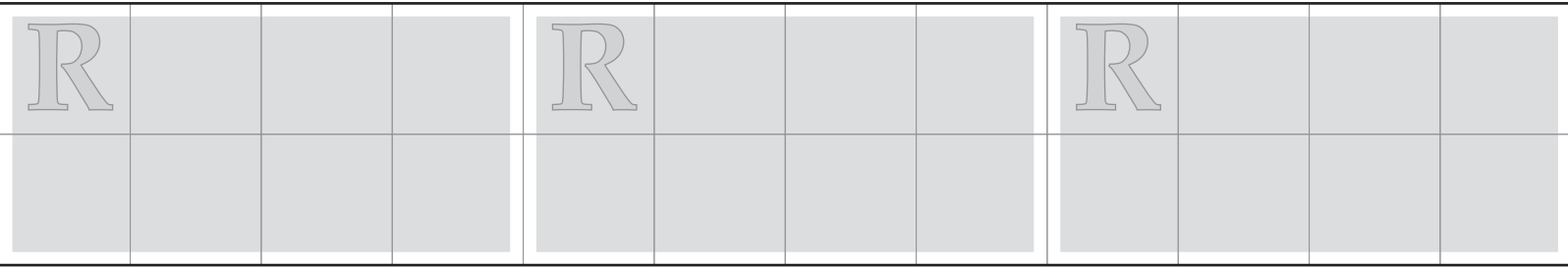


Pattern 6

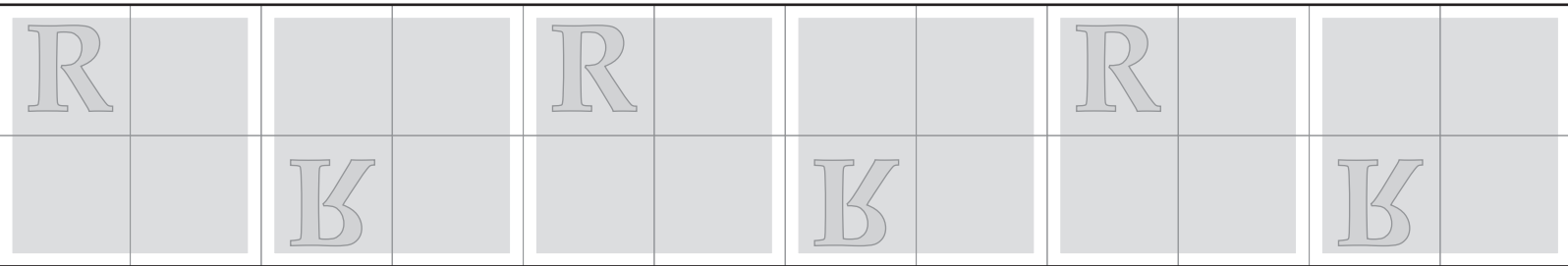


Pattern 7

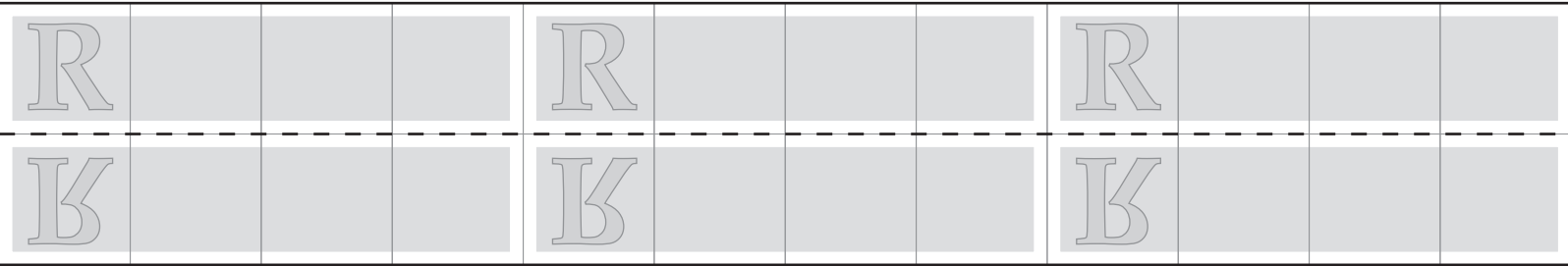
1. For each of the seven strip pattern types, draw an artistic design that has exactly this type of symmetry.
 (Be careful that your design doesn't accidentally have more symmetry than you intended.)



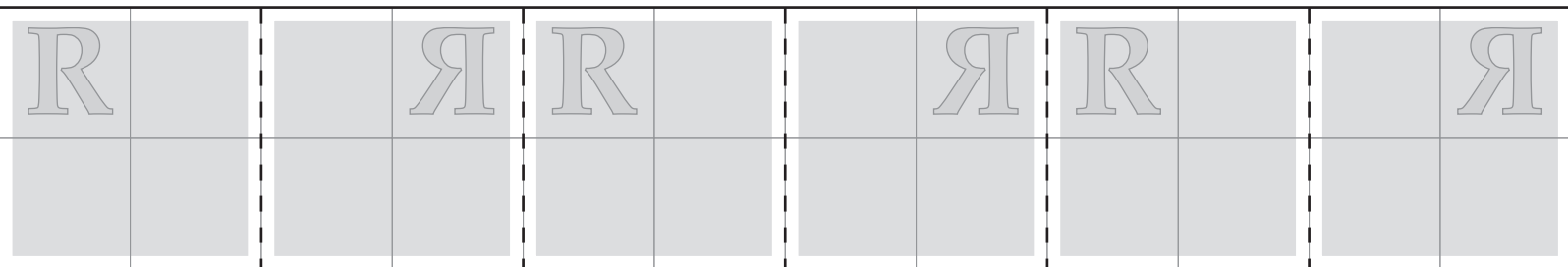
Pattern 1



Pattern 2

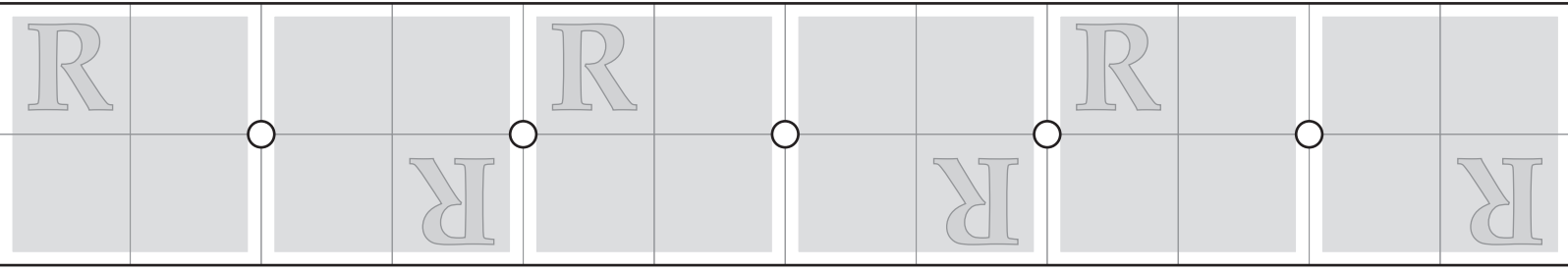


Pattern 3

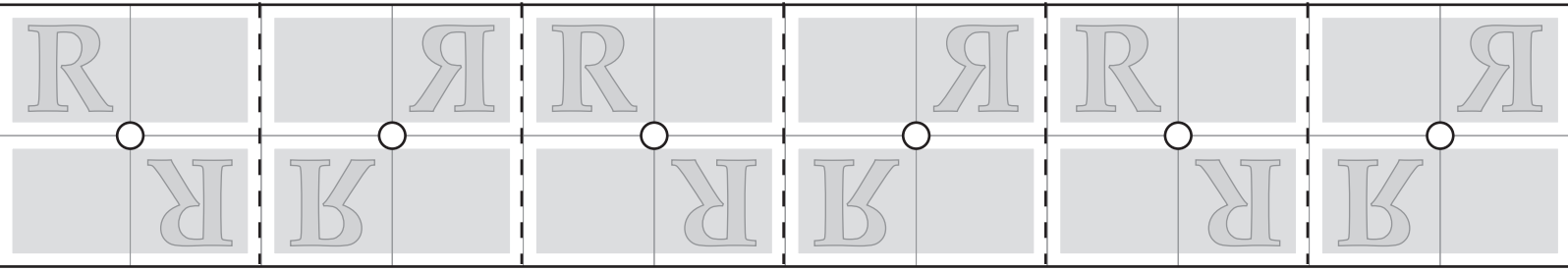


Pattern 4

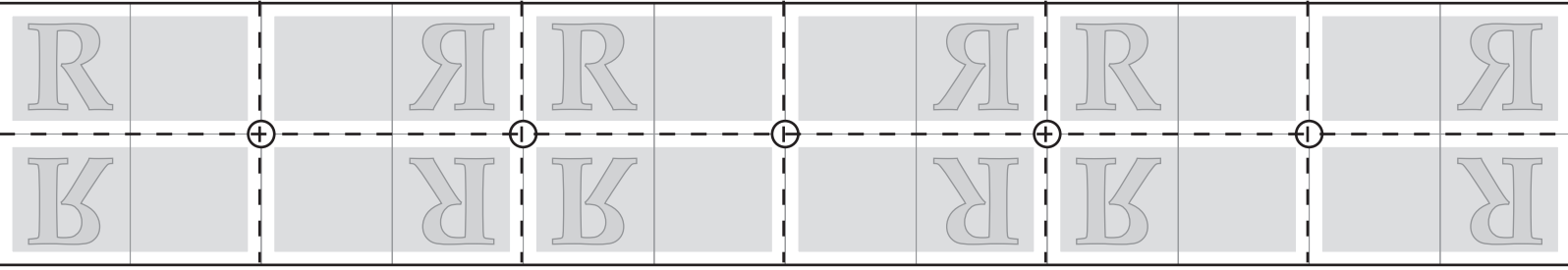




Pattern 5



Pattern 6



Pattern 7

2. For each of the seven strip pattern types, draw a different tiling by fundamental domains than the one shown, or explain why this is not possible.

3. For each of the seven strip pattern types, list a minimal set of generators for the group of symmetries. Explain why your generators make it possible to move between any two tiles. Illustrate by drawing the Cayley graph of the group.