Four symmetries for people standing in a line

- Translation (Sliding)
  \[ p \rightarrow p \]
  - Facing: Same  
  - Orientation: Same

- Reflection (Mirror)
  \[ p \mid q \]
  - Facing: Opposite  
  - Orientation: Opposite

- Rotation (Turning)
  \[ p \cdot d \]
  - Facing: Opposite  
  - Orientation: Same

- Glide (Footsteps)
  \[ p \rightarrow b \]
  - Facing: Same  
  - Orientation: Opposite