If we redraw the Peterson graph, different symmetries become evident.

0.1. **Order 2, 3 and 5.** Here we can see how to flip the graph pictures to see a symmetry of order 2 that leave two vertices fixed. We also see a rotation on the left that gives a symmetry of order 3 and a rotation on the right that gives a symmetry of order 5.

0.2. **Another of Order 2.** Flipping the drawing vertically shows us a symmetry of order 2 that is different from before as it leaves zero vertices fixed.