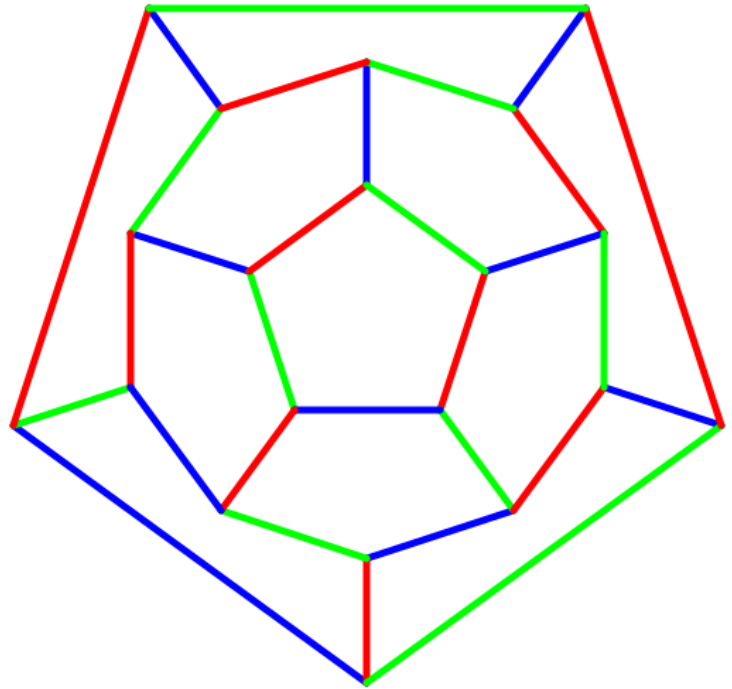


Edge Coloring to Get the Hamiltonian Circuit - *3 colors suffice!*

When assembling the PHiZZ units to make the dodecahedron or the truncated icosahedron, if you want to have the Hamiltonian circuit property, then use the following templates.

Petersen 3-edge-coloring of the dodecahedron

30 edges. Pick two colors, start at a vertex and trace those colors and you get a 20-edge Hamiltonian Circuit.



3-Coloring for Truncated Icosahedron

90 edges. Pick two colors, start at a vertex and trace those colors and you get a 60-edge Hamiltonian Circuit.

