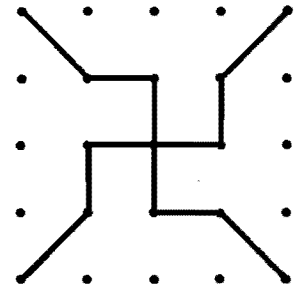


20 ROTATIONAL SYMMETRY ON A GEOBOARD

Pictured is a figure with  $90^\circ$  rotational symmetry on a 5 x 5 geoboard. The figure is constructed by drawing four identical paths which satisfy these conditions.

1. All paths begin at the center nail and move from nail to nail until reaching an outside boundary nail.
2. None of the four paths touch or cross each other or themselves.
3. Once a path reaches an outside boundary it stops.



There are 24 figures with  $90^\circ$  rotational symmetry that can be drawn satisfying all of the above conditions. Draw them.

