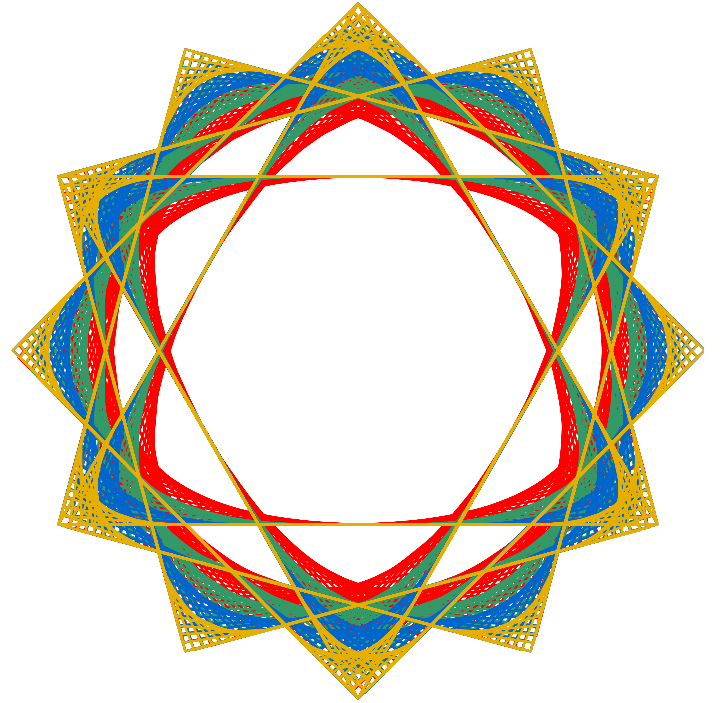
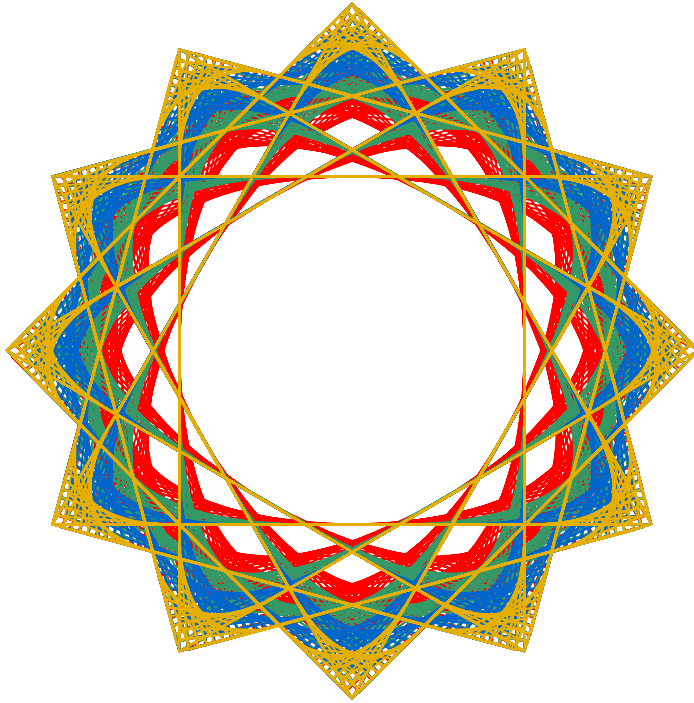


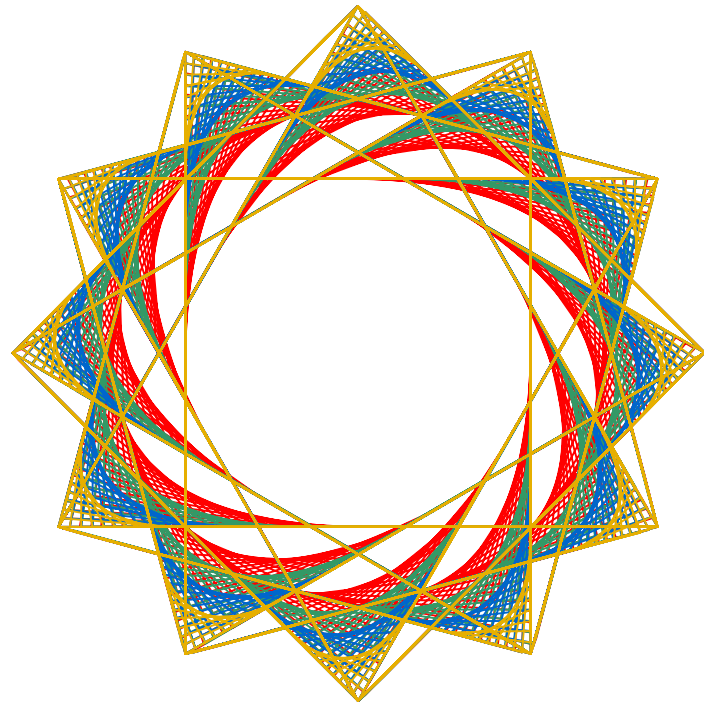
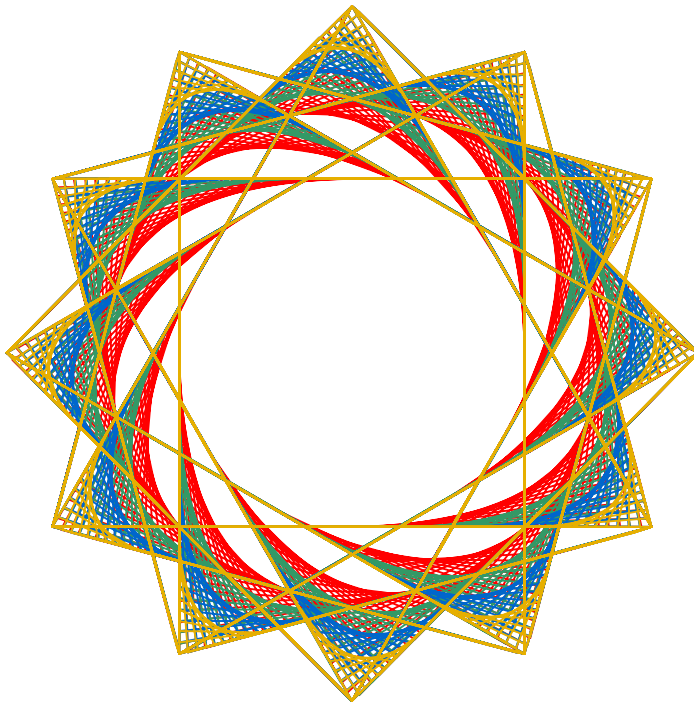
## Four-Color Challenge Questions, Part II

**Facts.** Suppose you like equilateral triangles and squares. Questions 1-3 examine the top two images. One is based on a 2-jump set and the other is based on a 3-jump set. Questions 4 and 5 examine the bottom two 3-jump set images. All four images start with  $J_1 = 3$  and **S** and **P** are as noted in the table at right.

53	11
53	17
54	23
56	29
<b>S</b>	<b>P</b>



1. Which is the 2 jump model, and which is the three jump model?
2. What is the second jump in the 2 jump model? How many lines are in the VF?
3. What are the second and third jumps in the 3-jump model? How many lines are in the VF?



4. What are the second and third jumps for the left image? How can you tell?
5. What are the second and third jumps for the right image? How can you tell?