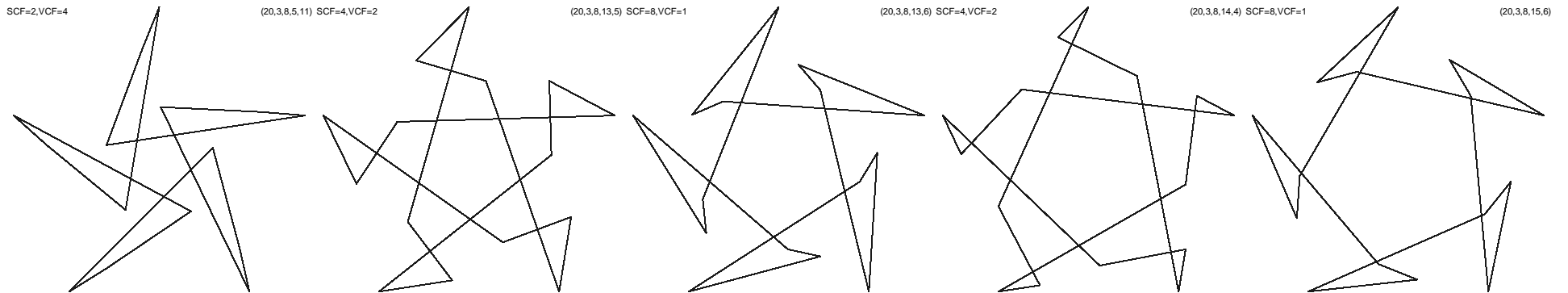


16.9. Pentagonal People

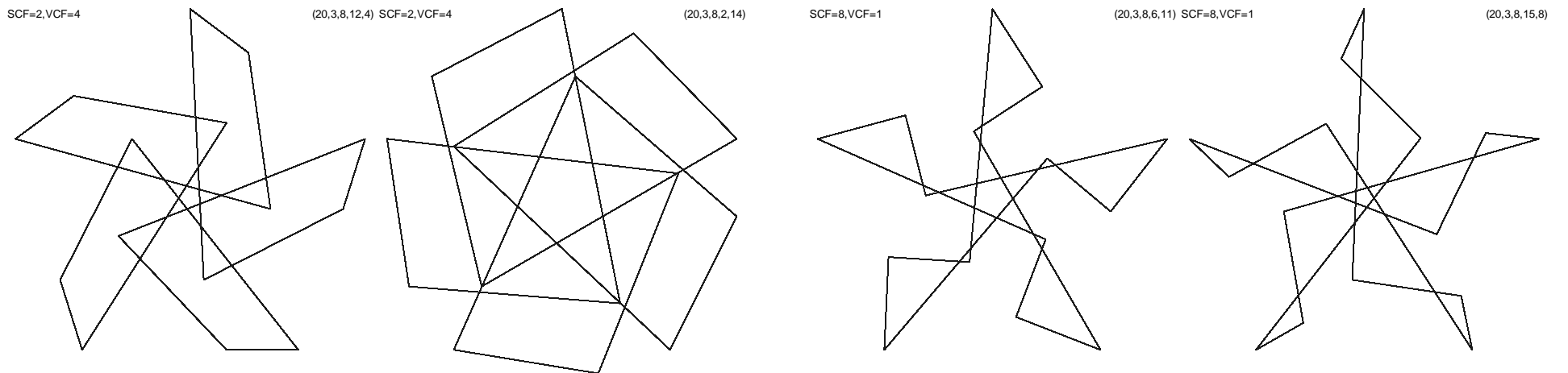
These images use n that is a multiple of 5 and have 72° rotational symmetry. Each uses 5 vertices ... two arms, two legs, and a head. Each image has $n = 20$, $S = 3$, and $P = 8$ and only differ by J_1 and J_2 . These whimsical images have an "open" design due to $SCF > 1$. Each has 15 lines but the first appears to be only 10 because the first two lines of each cycle are collinear. Note that VCF and SCF vary but $SCF > 1$ is maintained across images.

Pentagonal Parents running after their Kids



If you play with J_1 and J_2 you will find that other children that may be part of this family, here are two: [\(20,3,8,6,10\)](#) and [\(20,3,8,10,7\)](#).

Two Couples compete in *Dancing with the Stars*



The Quadrangles

The Triangles