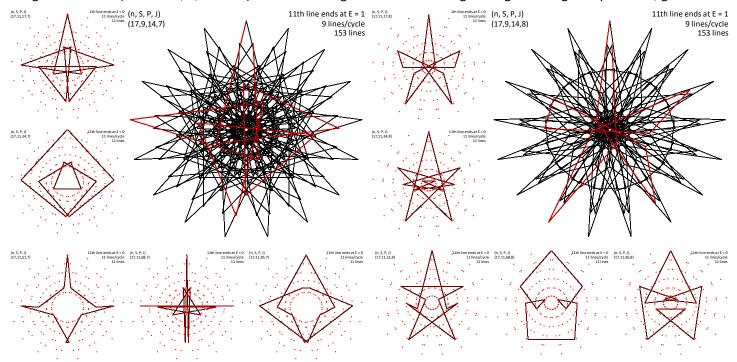
## G-Line Images given G is Prime

The strategy used in this chapter is easily generalized beyond 7-line single-step images. As noted <u>elsewhere</u>, the *Excel* file is set up to examine *G*-line *single-step* images using the setup provided in G40:K40 as long as *P* in cell G1 uses the equation =J40 rather than =M36.

When G is a prime number, the image progression is very similar to that produced for G = 7. The only modifications are that now K < G/2 rather than 1, 2, 3 for G = 7. Thus when G = 11, for example, there are 5 base images for every J < n/2.

As with G = 7, when J is close to n/2, more complex images emerge than G-point stars. Shown below are the G = 11 base images for K = 1-5 (1-3 at left, 4,5 below) for J = 7 and 8 given L = 17. The larger image is a single step version, given L = 17.



The k = 1 fighter jet for J = 7 and stick man for J = 8 are <u>cracked-open</u> single-step images of length 11 when S = 9. Note that the base image for J = 7, K = 4 is like the <u>7-line glider</u> so it is not surprising that the bottom left single-step version is similar. The bottom right image is single-step for J = 8, K = 3. Notice that the downward pointing arrow is overly closed.

