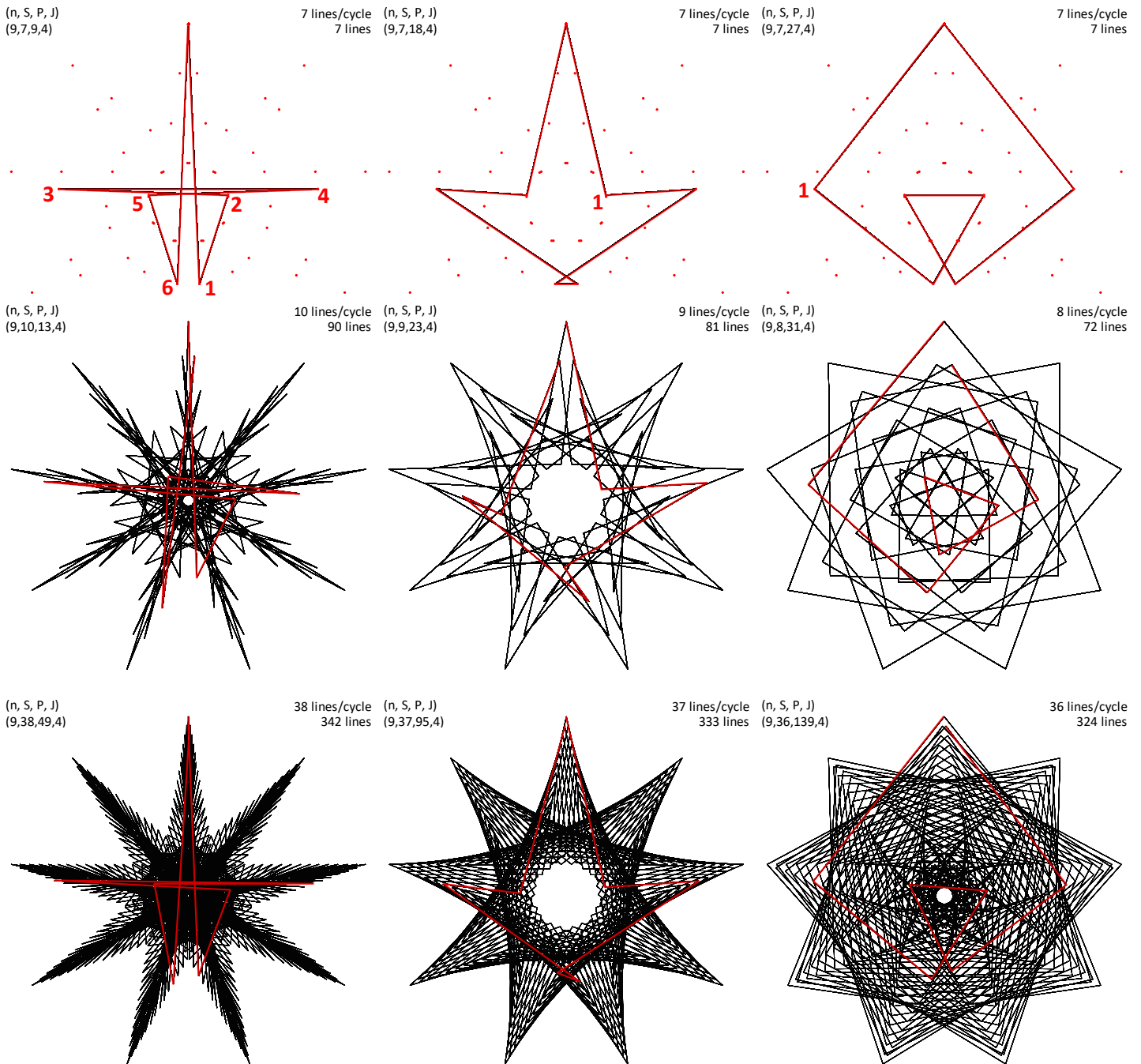


Single-Cycle Images use the same Subdivision Dots as k Varies

If S is a multiple of 7, then the 7th line will end at the top given [The 7-Line Generator Function](#) and the resulting image is a single cycle. As noted [elsewhere](#), this does not depend on what multiple of 7 is under consideration for S . As noted [here](#), when J is "small" relative to $n/2$, each J produces an irregular 7-gon or 7-gram and by varying k between 1 and 3 we cycle between 7-gons and 7-grams (we will simply call both $7, \alpha$ without the -gon or -gram or -star here and note that if $\alpha = 1$, we have a 7-gon). For example, with $n = 9$ and $J = 1$, we cycle between $7, 1$, $7, 2$, $7, 3$ as $k = 1, 2, 3$ but if $n = 9$ and $J = 2$, we cycle between $7, 2$, $7, 3$, $7, 1$ as $k = 1, 2, 3$. However, if J is "large" relative to $n/2$, more complex images emerge. To continue with this n , if $J = 4$, we obtain these 7-line images as $k = 1, 2$, and 3 with two single-step versions below.



Two points are worth noting. *First*, the SAME **subdivision dots** are used in the top three images, just in a different order, just like we saw with the irregular $7, \alpha$ -stars [discussed here](#). Using the upper left as the template, the middle uses endpoints **2, 4, 6, 1, 3, 5, 0** but the right uses **3, 6, 2, 5, 1, 4, 0** (the end of the first line is noted with a red **1** at middle and right). *Second*, although bottom row images have about four times the lines, they bear a strong resemblance to middle row images. The upper images are more twisted in the middle row because subdivisions are larger when S is smaller.