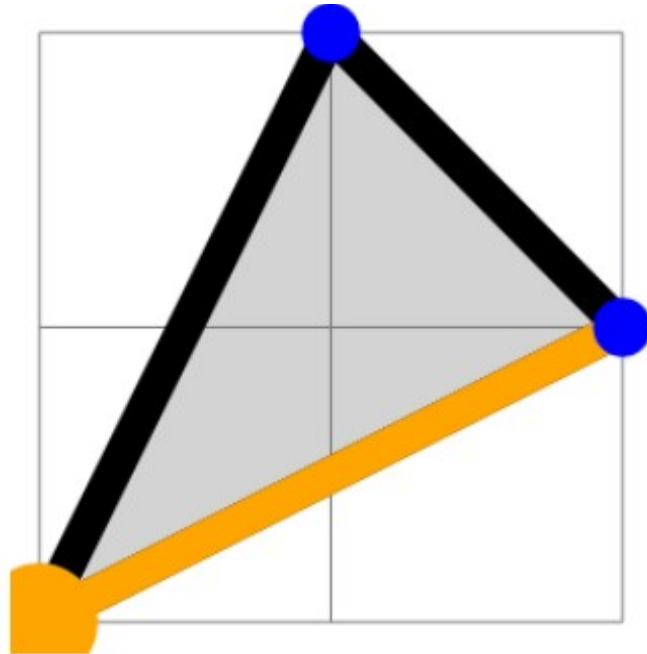


Simple Lattice Polygons of Minimum Area.

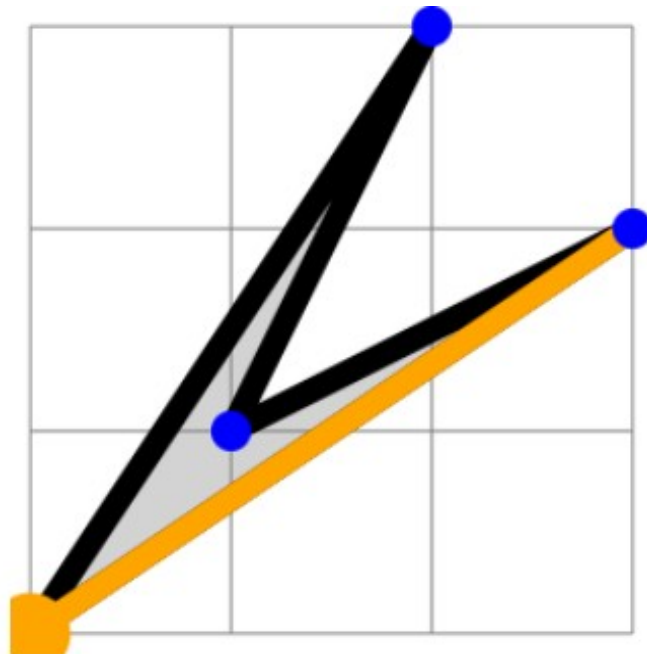
Hugo Pfoertner, 2017 June 10

For description see OEIS A288247.

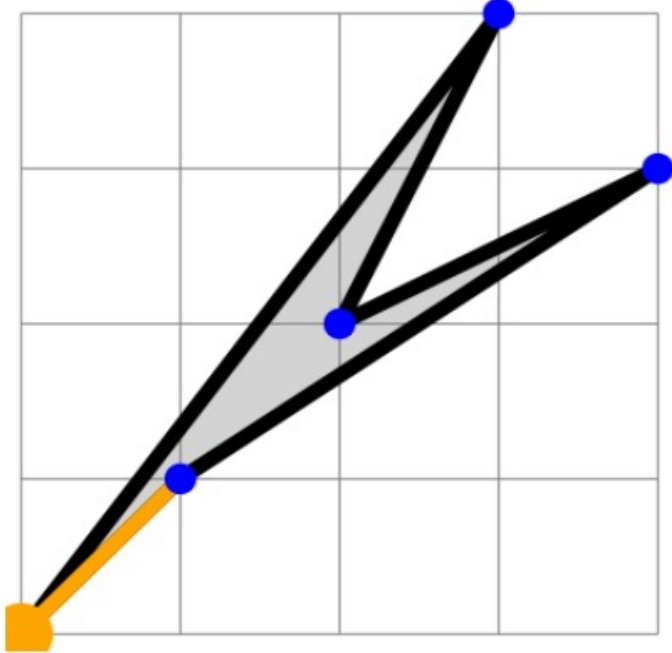
$N = 3$, $a = 1.5$, 1 polygon



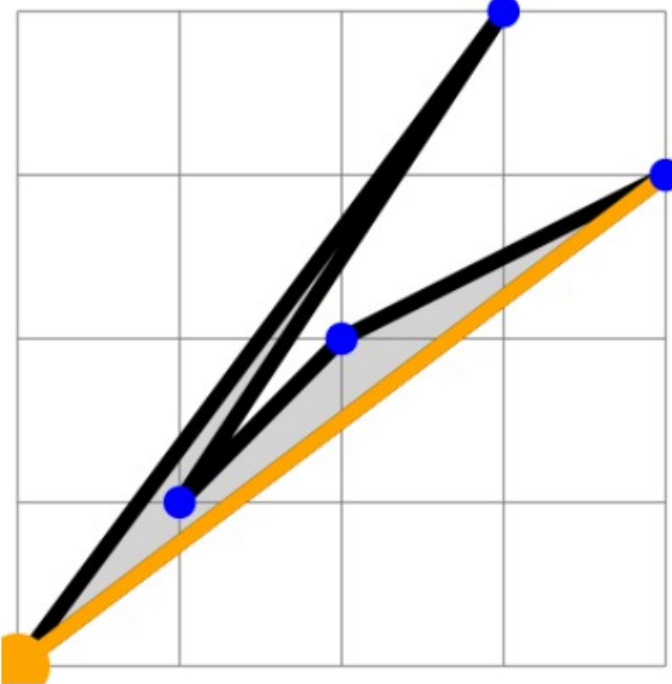
$N = 4$, $a = 1$, 1 polygon



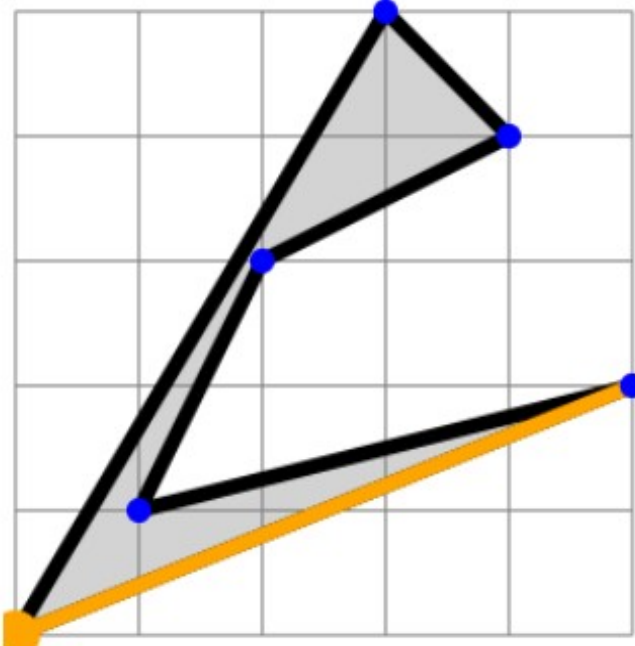
$N = 5, a = 1.5,$
2 polygons



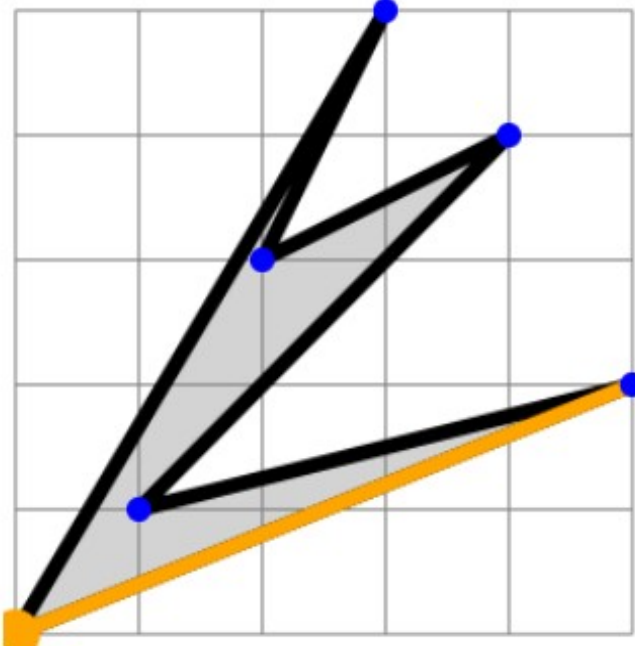
$N = 5,$ continued



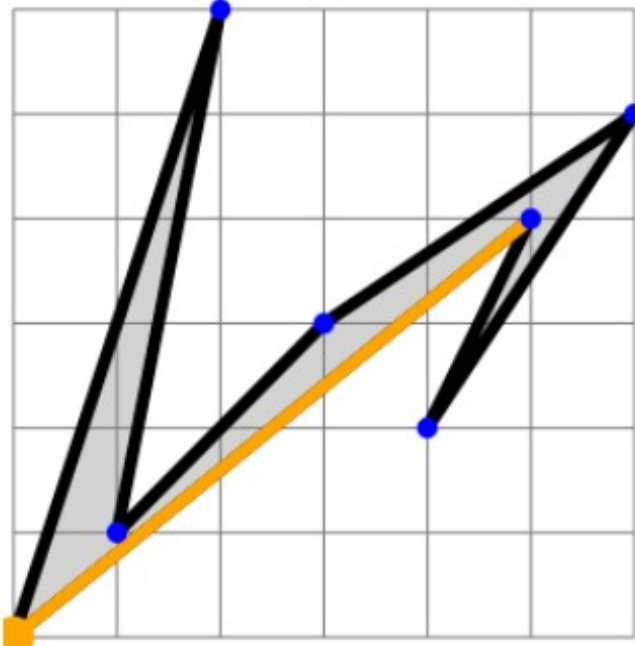
N = 6, a = 4, 2 polygons



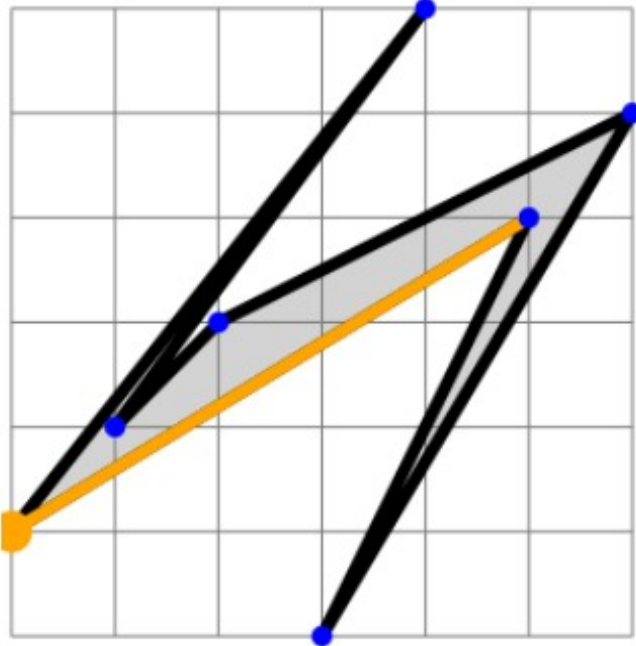
N = 6, continued



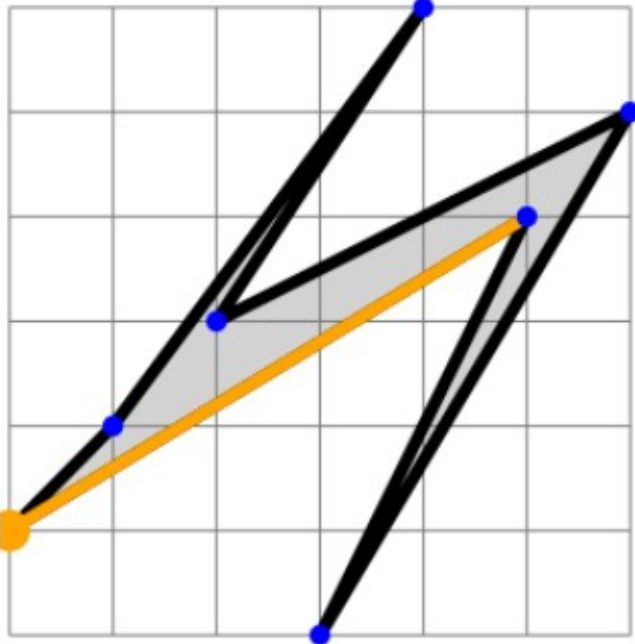
$N = 7, a = 4.5, 3$ polygons



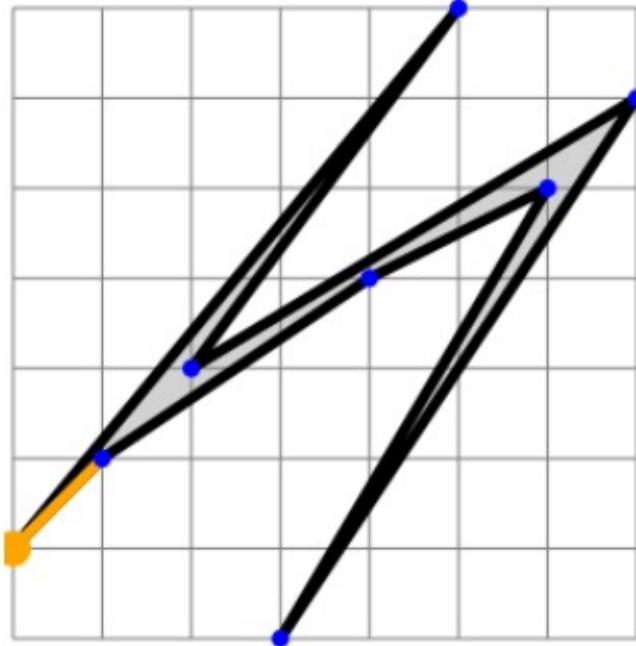
$N = 7, \text{continued}$



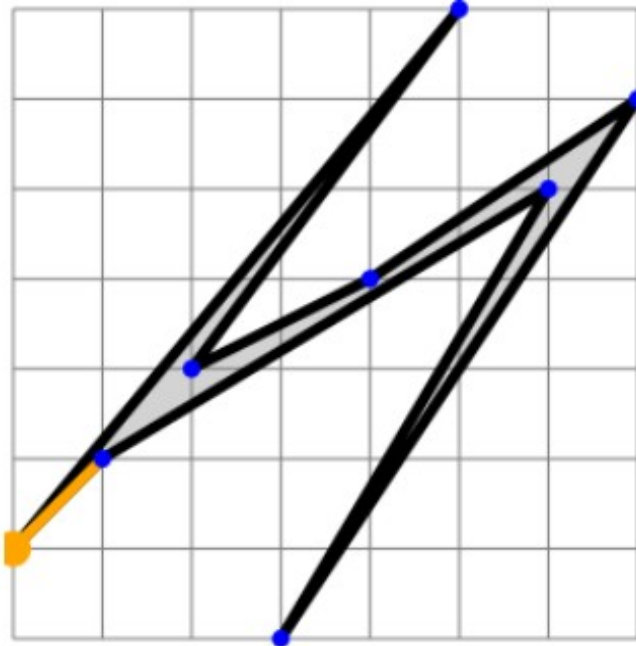
N = 7, continued



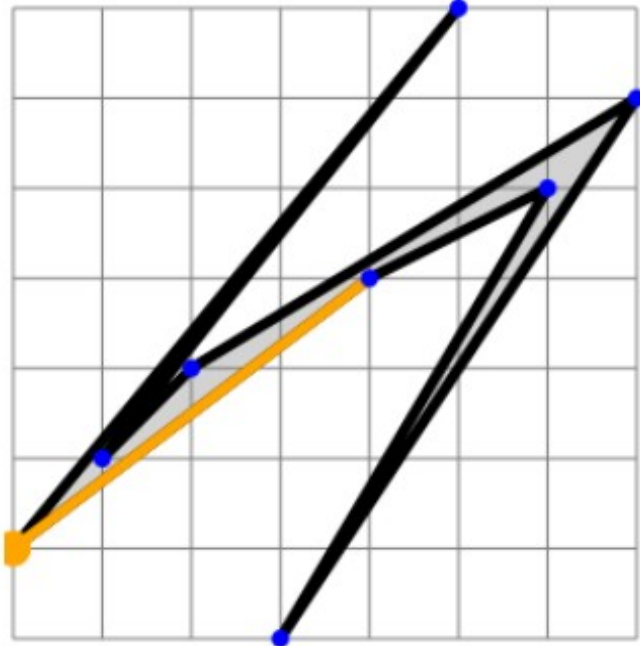
$N = 8, a = 3.5, 4$ polygons



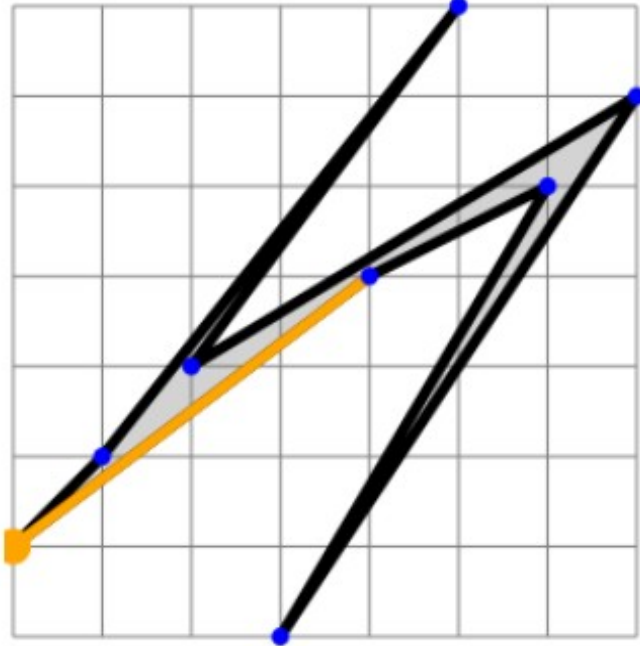
$N = 8, \text{continued}$



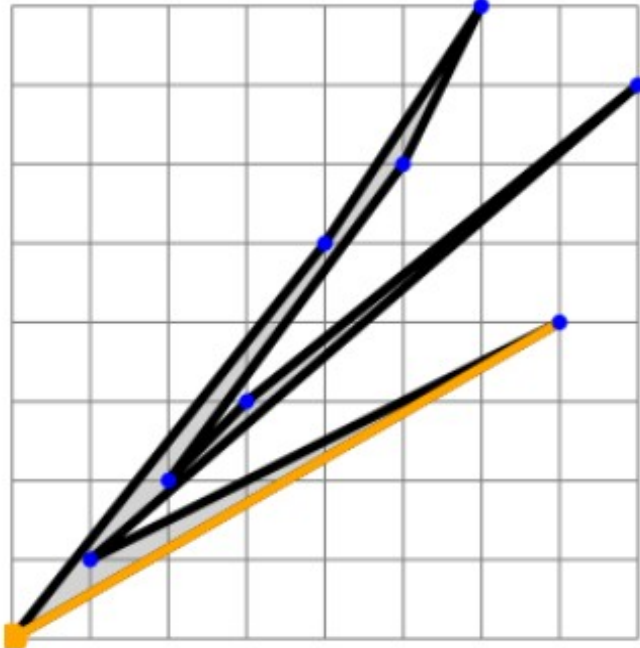
N = 8, continued



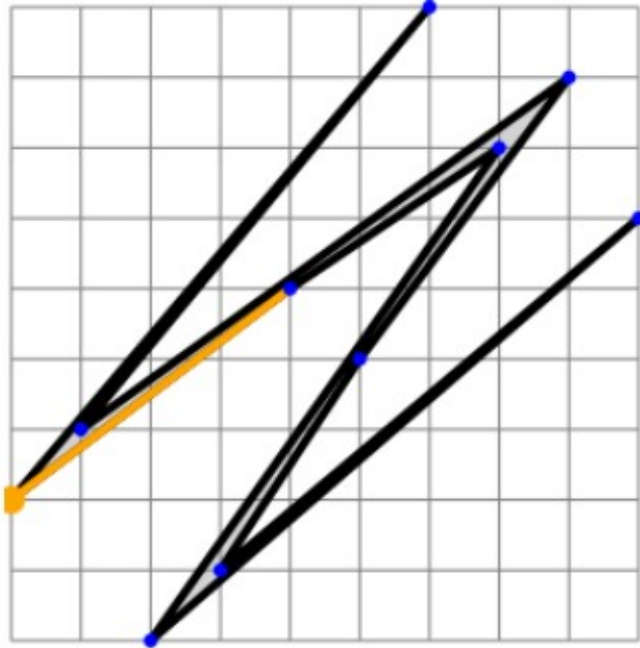
N=8, continued



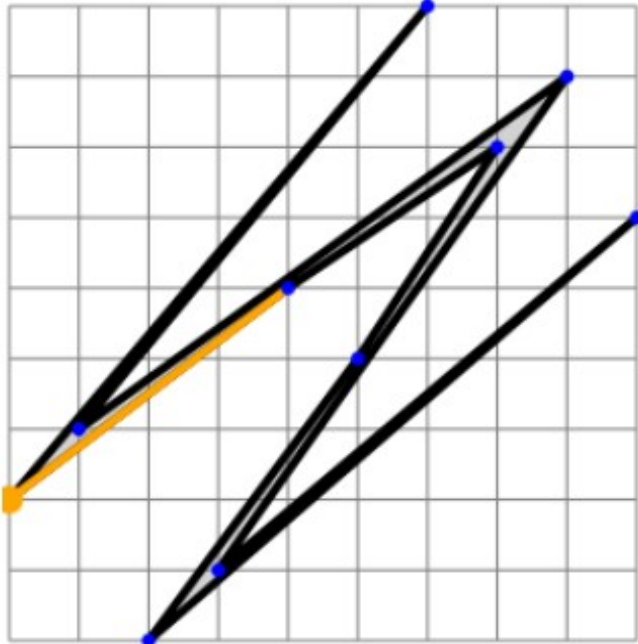
$N = 9, a = 4.5,$
1 polygon



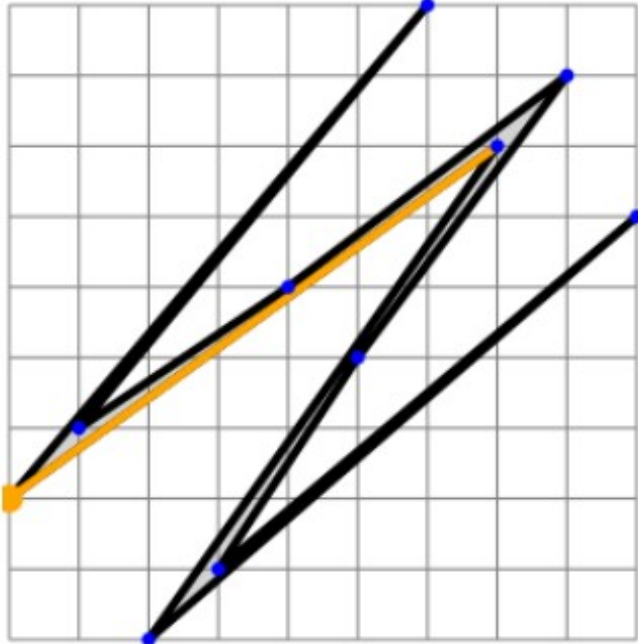
$N = 10, a = 4,$
3 polygons



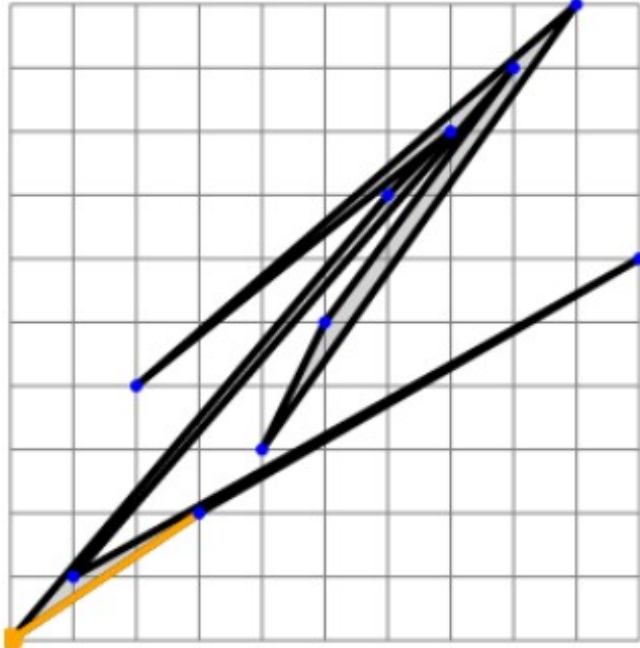
N = 10, continued



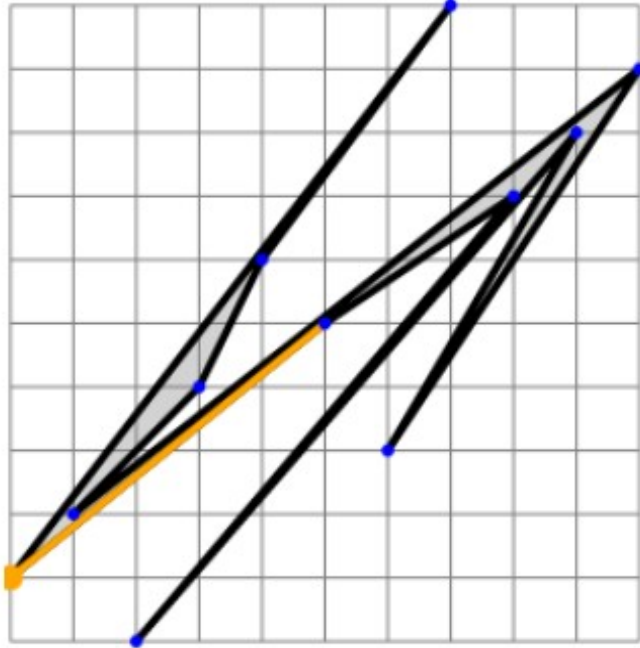
N = 10, continued



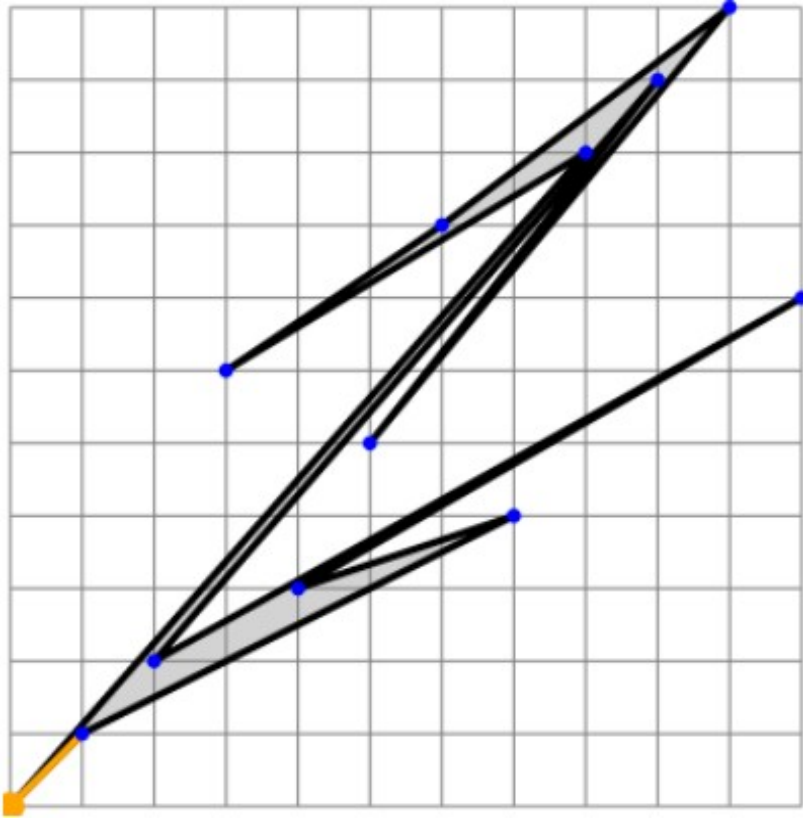
$N = 11, a=5.5,$
2 polygons



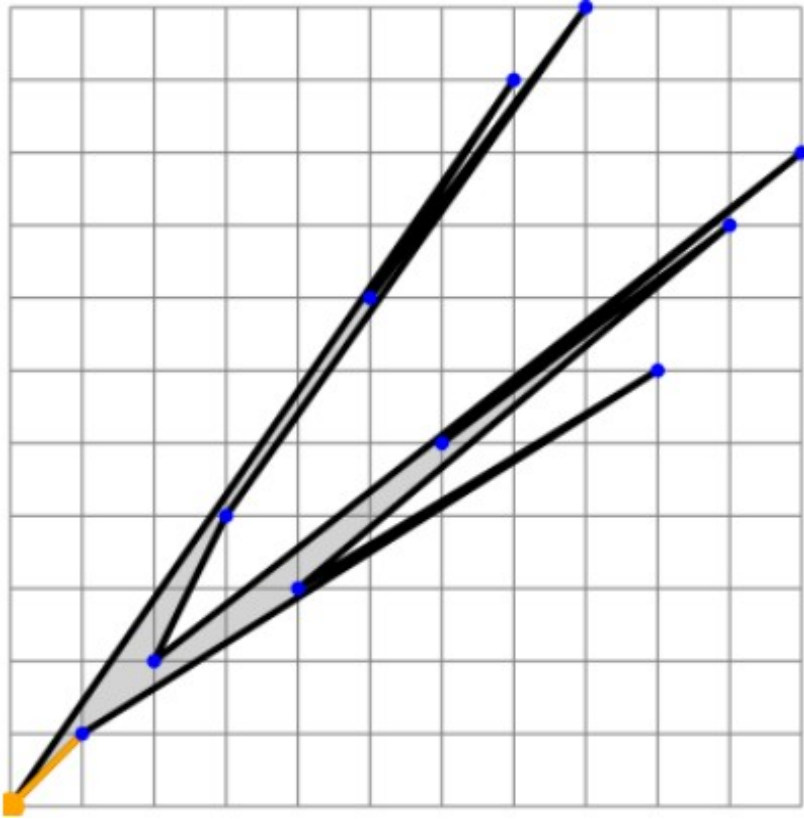
$N = 11,$ continued



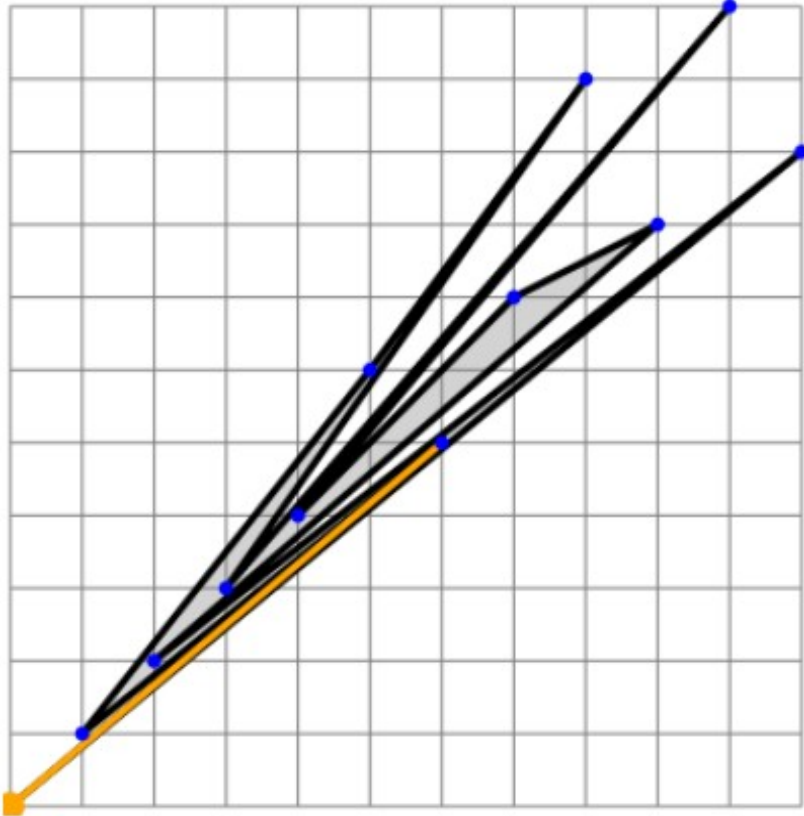
$N = 12, a = 6,$
10 polygons



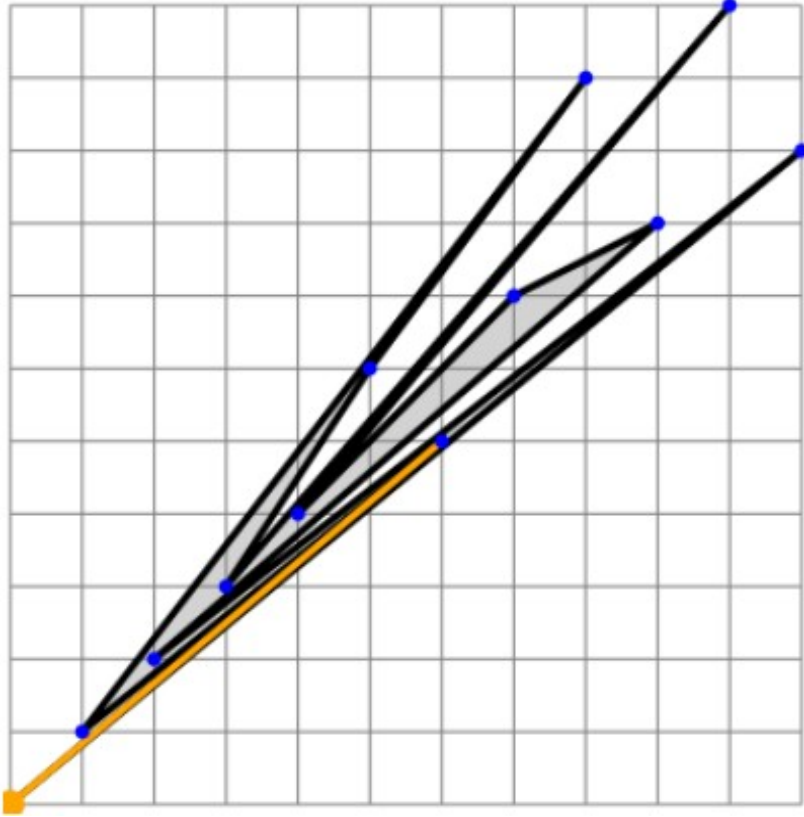
$N = 12,$ continued



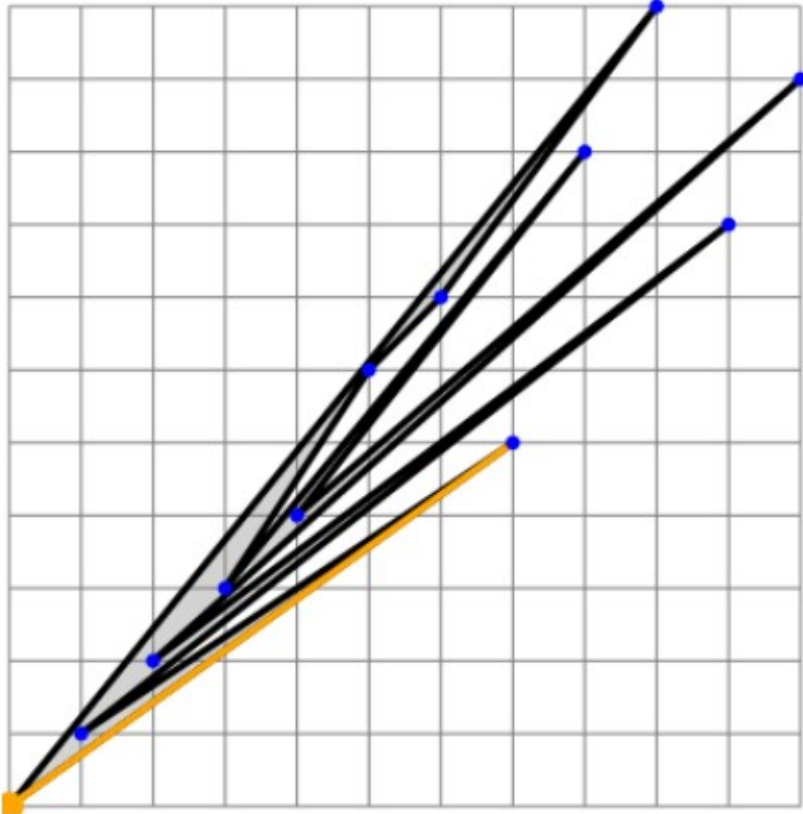
N = 12, continued



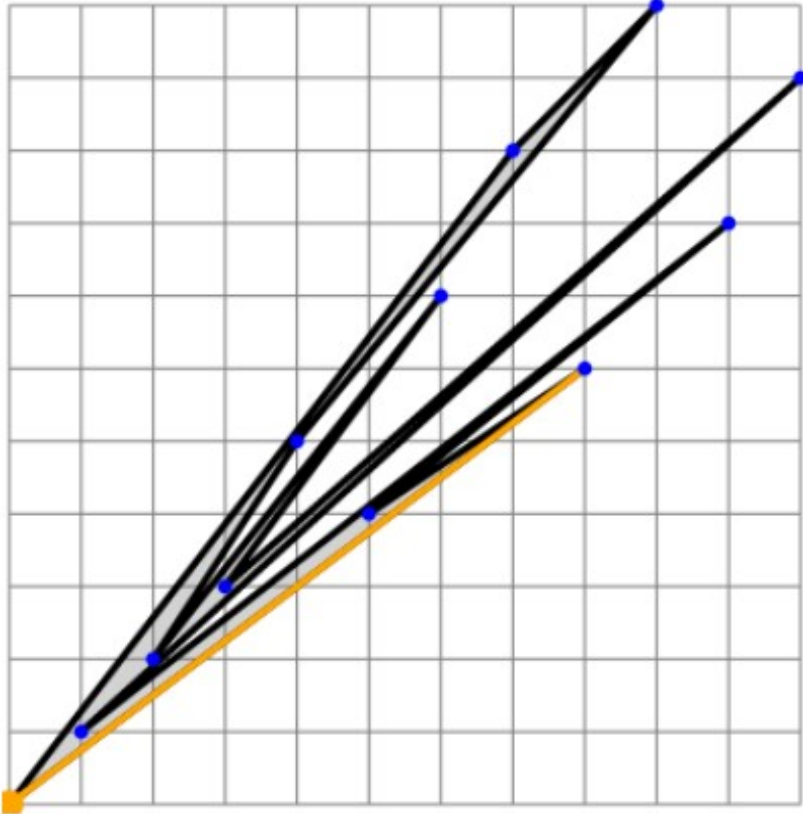
N = 12, continued



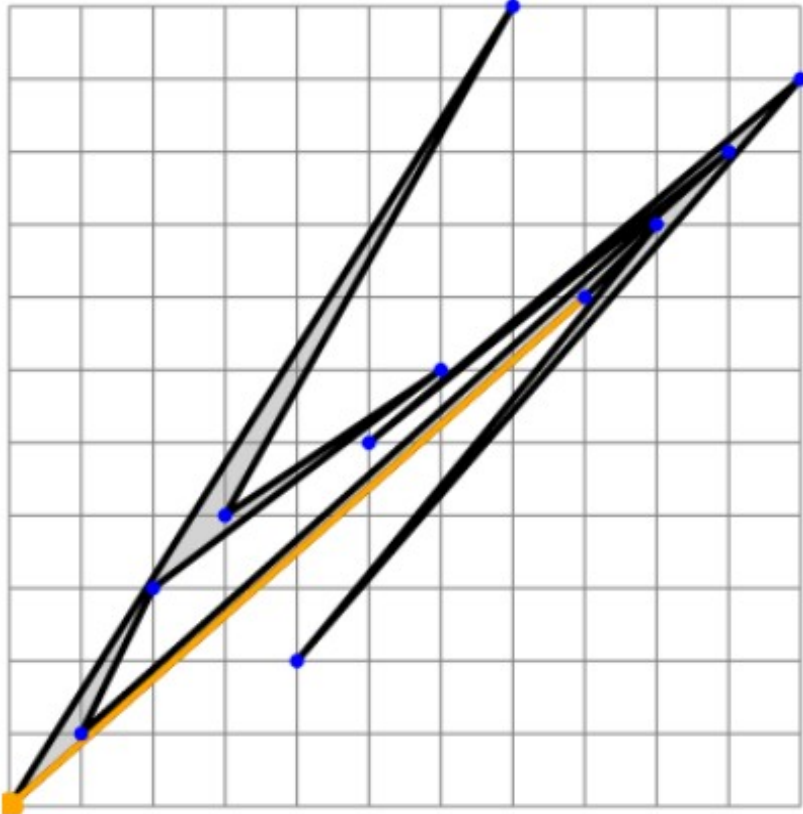
N = 12, continued



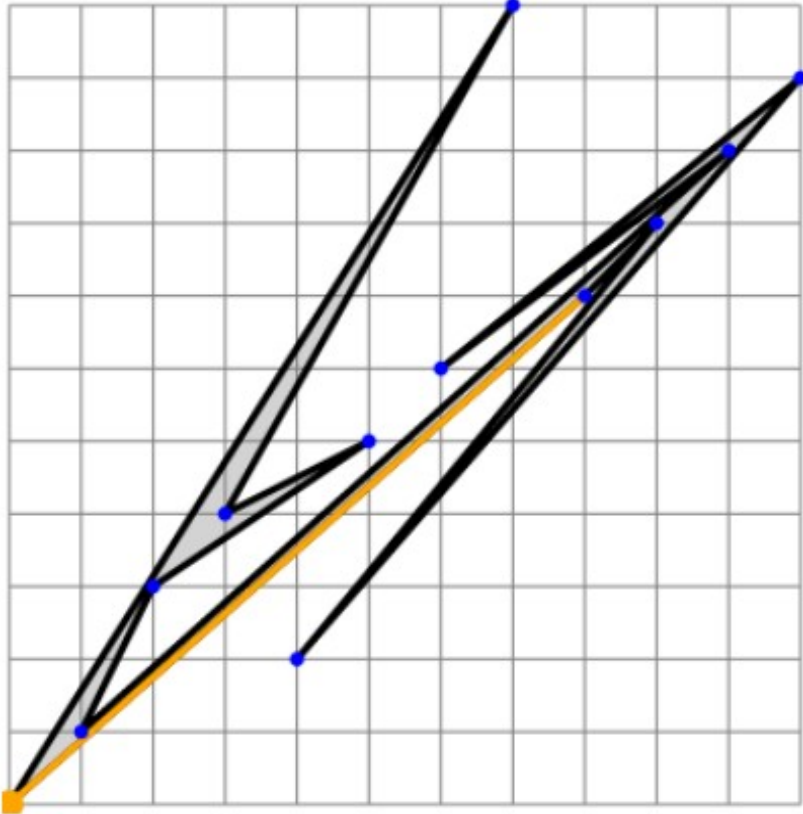
N = 12, continued



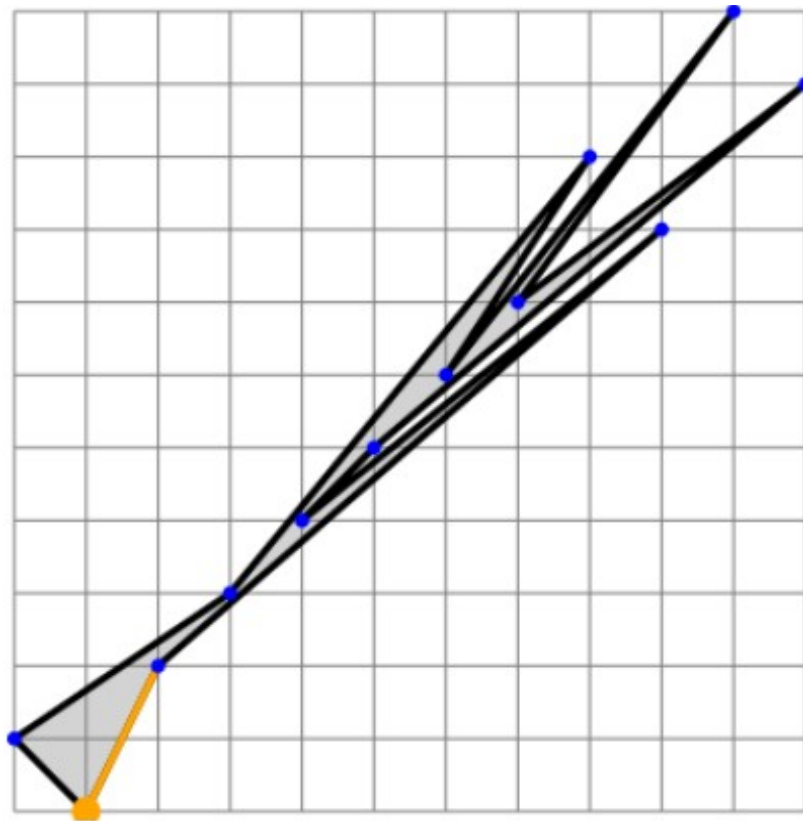
N = 12, continued



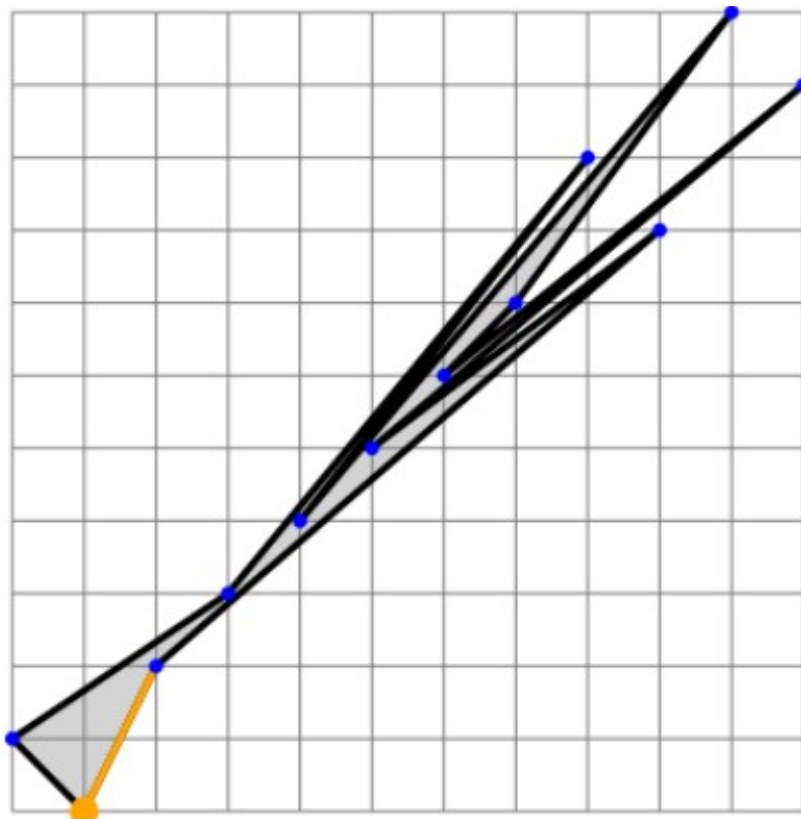
N = 12, continued



N = 12, continued



N = 12, continued



All pictures were generated using Markus Sigg's Javascript Polygon Viewer.
See link in OEIS A288247.