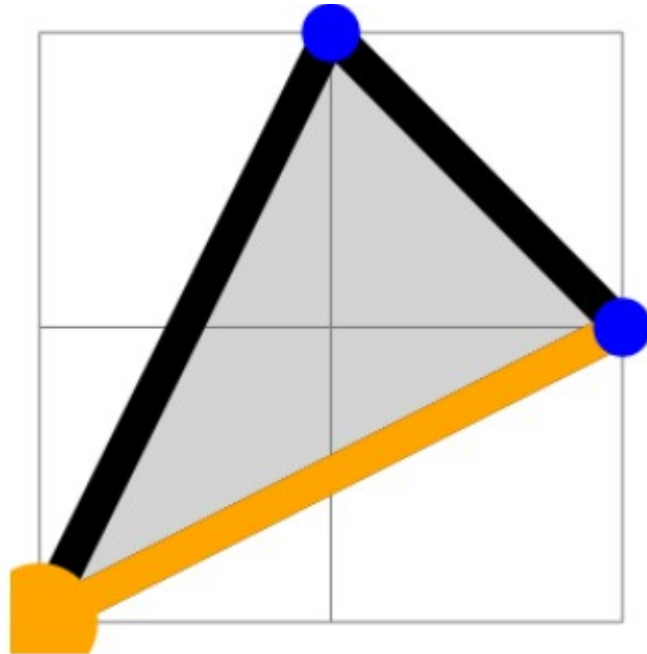


Simple Lattice Polygons of Maximum Area.

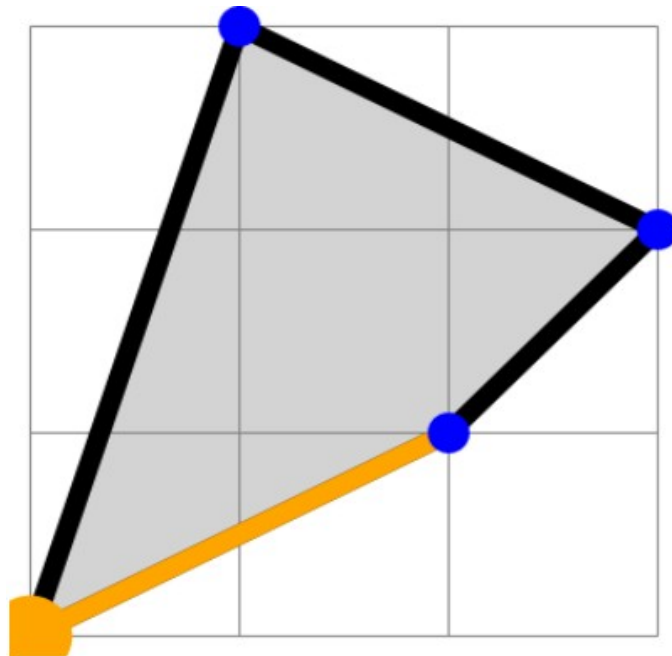
Hugo Pfoertner, 2017 June 9

For description see OEIS A288249.

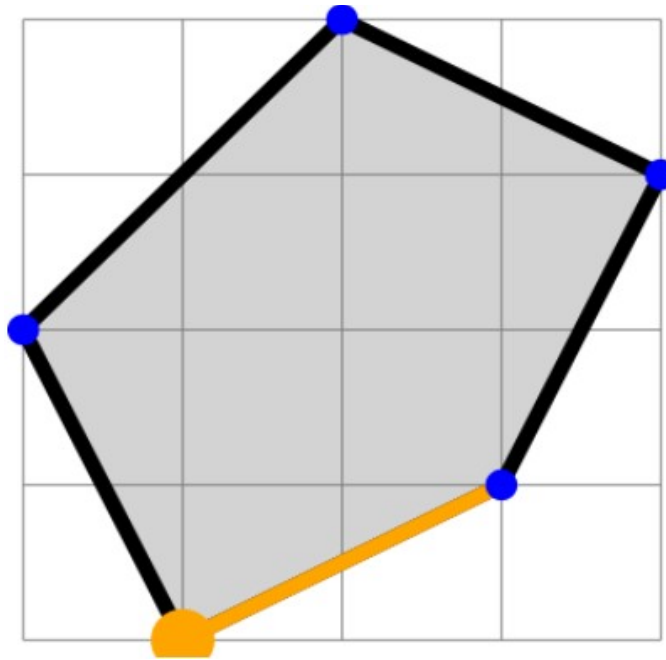
$N = 3$, $a = 1.5$, 1 polygon



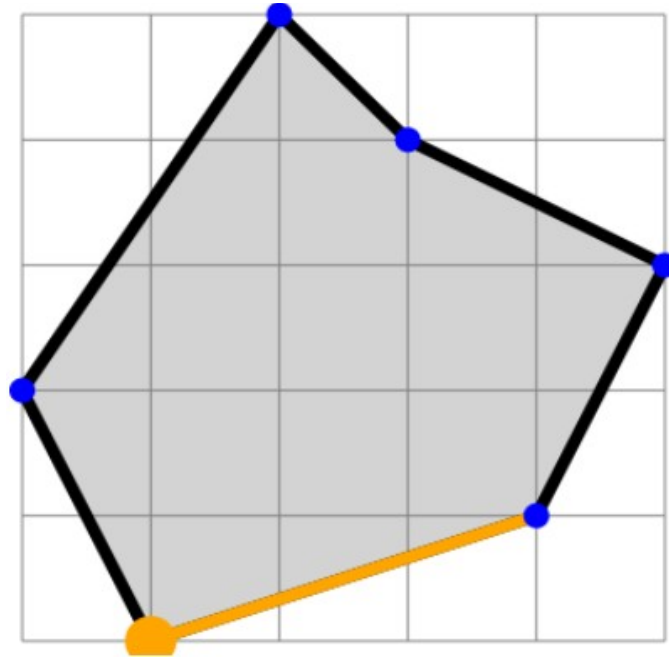
$N = 4$, $a = 4$, 1 polygon



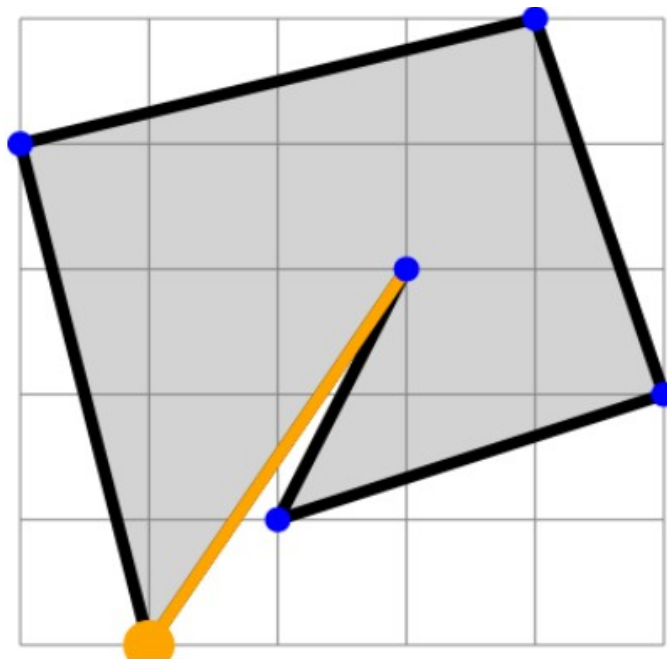
$N = 5, a = 9, 1$ polygon



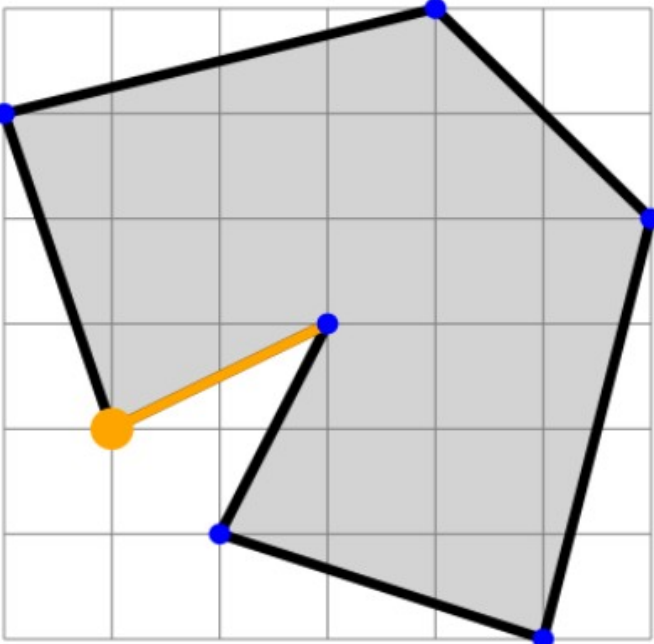
$N = 6$, $a = 14$,
2 polygons



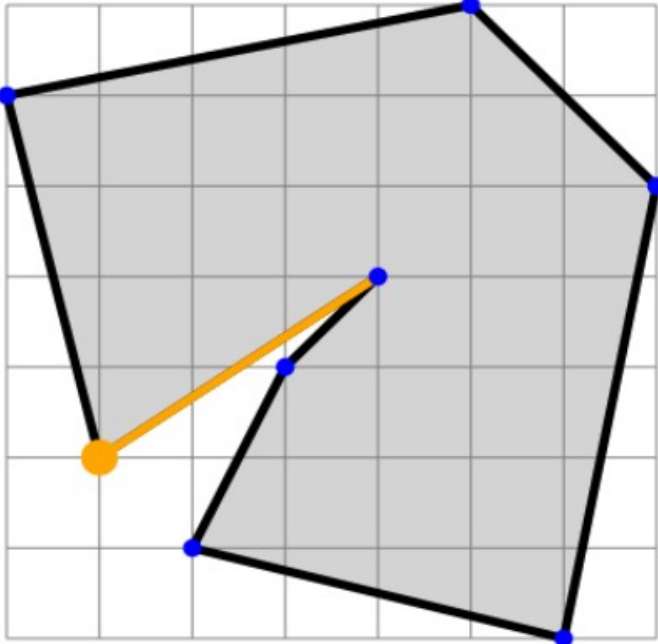
$N = 6$, continued



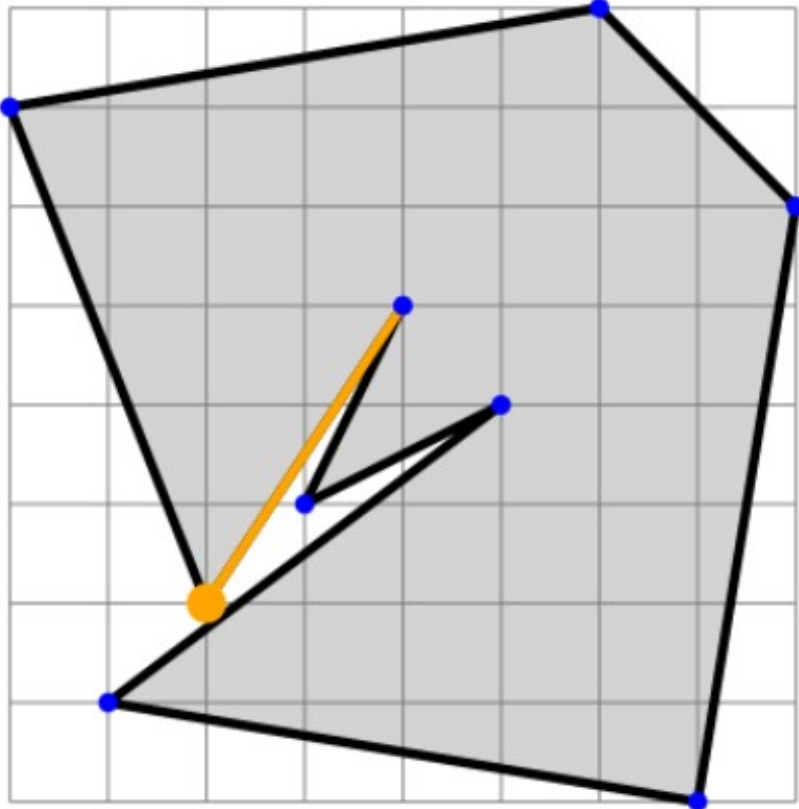
$N = 7, a = 22,$
1 polygon



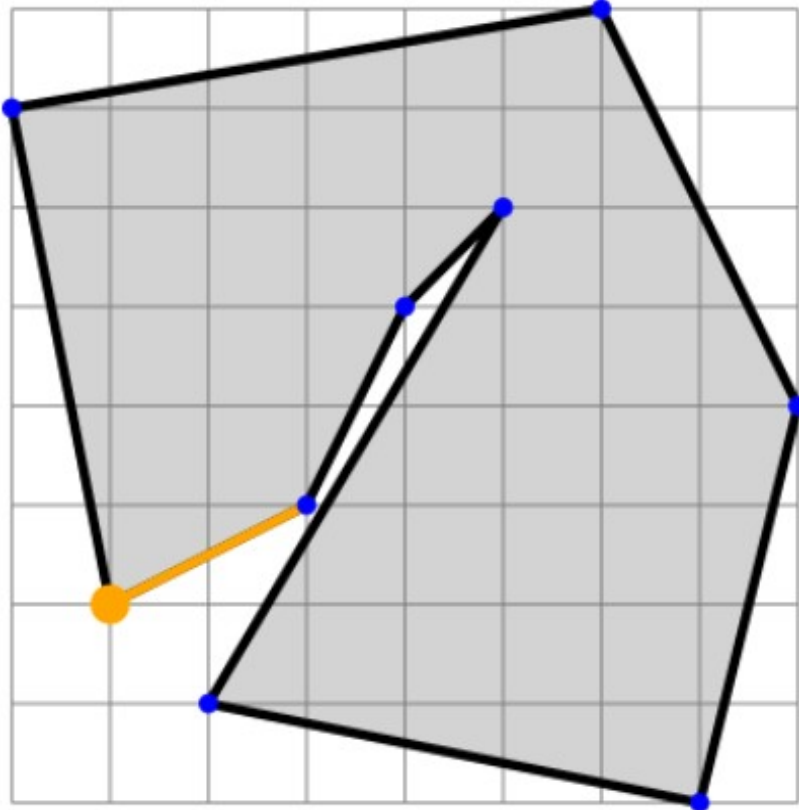
$N = 8, a = 32.5,$
1 polygon



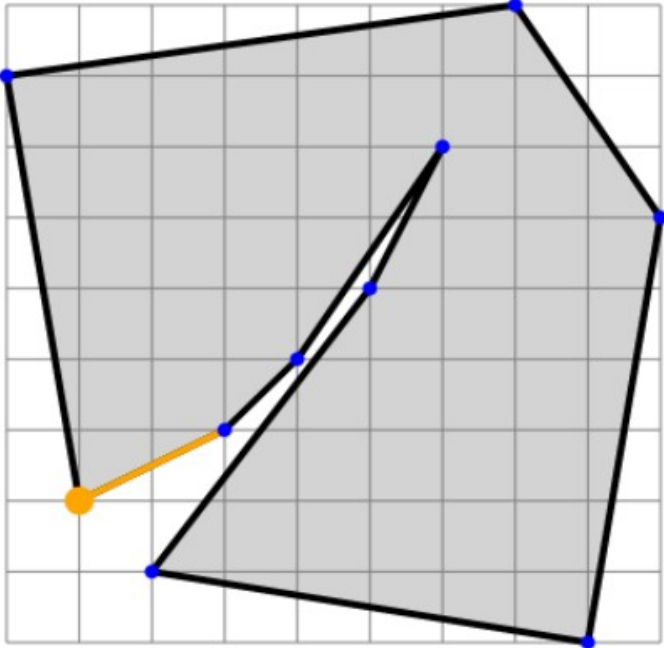
$N = 9, a = 44,$
2 polygons



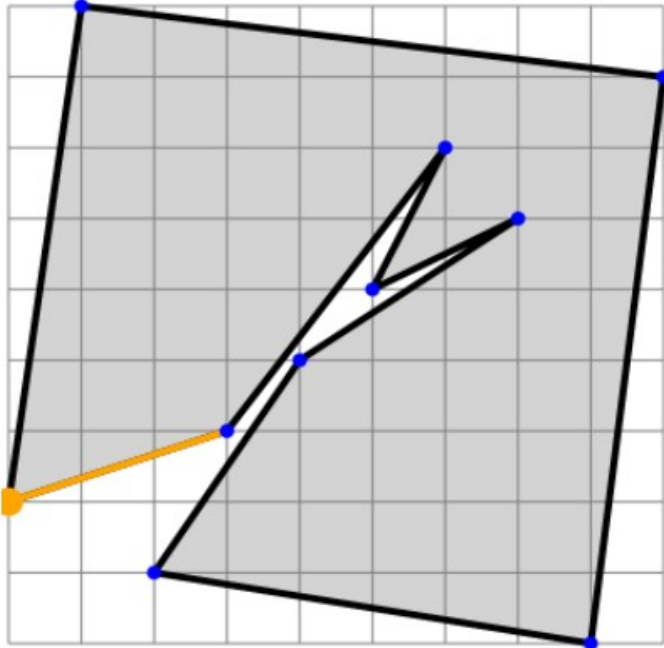
$N = 9,$ continued



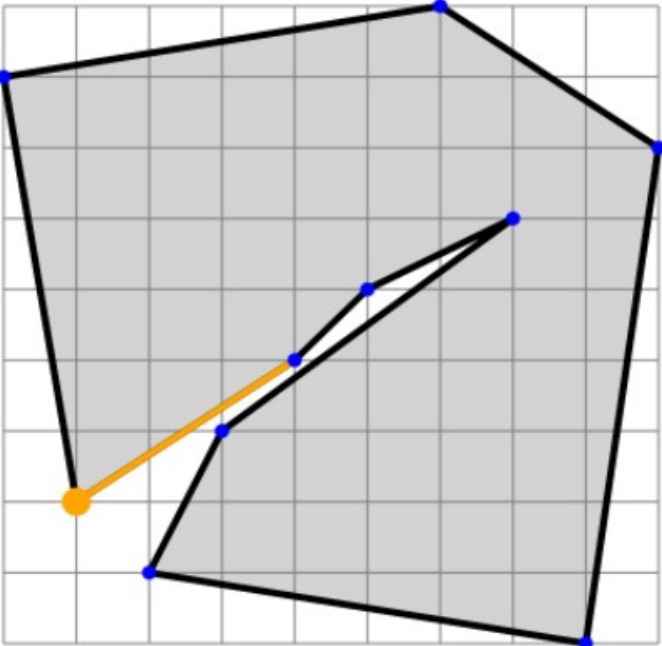
$N = 10, a = 59,$
3 polygons



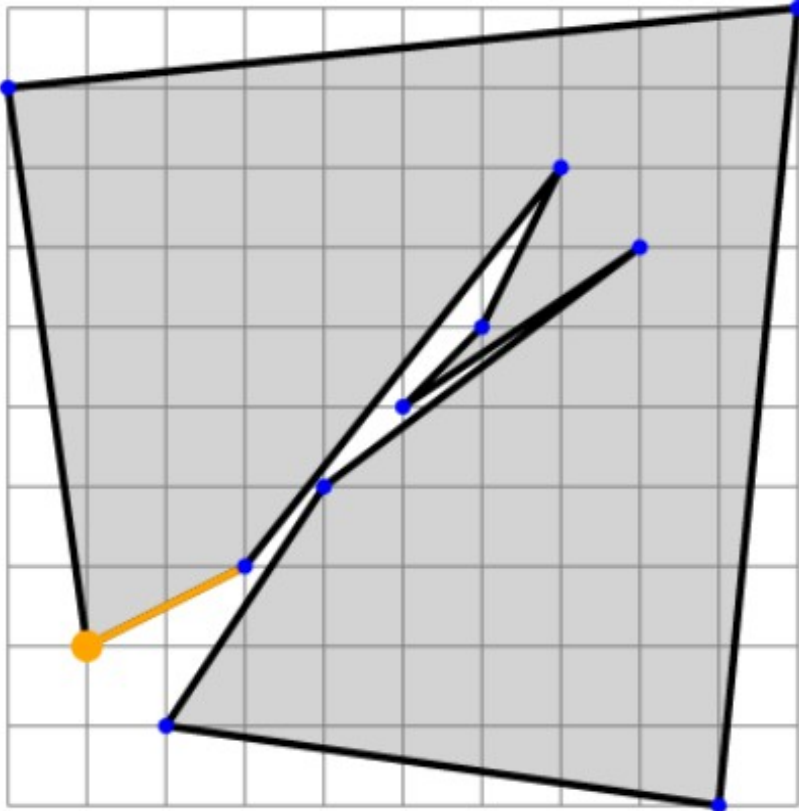
$N = 10,$ continued



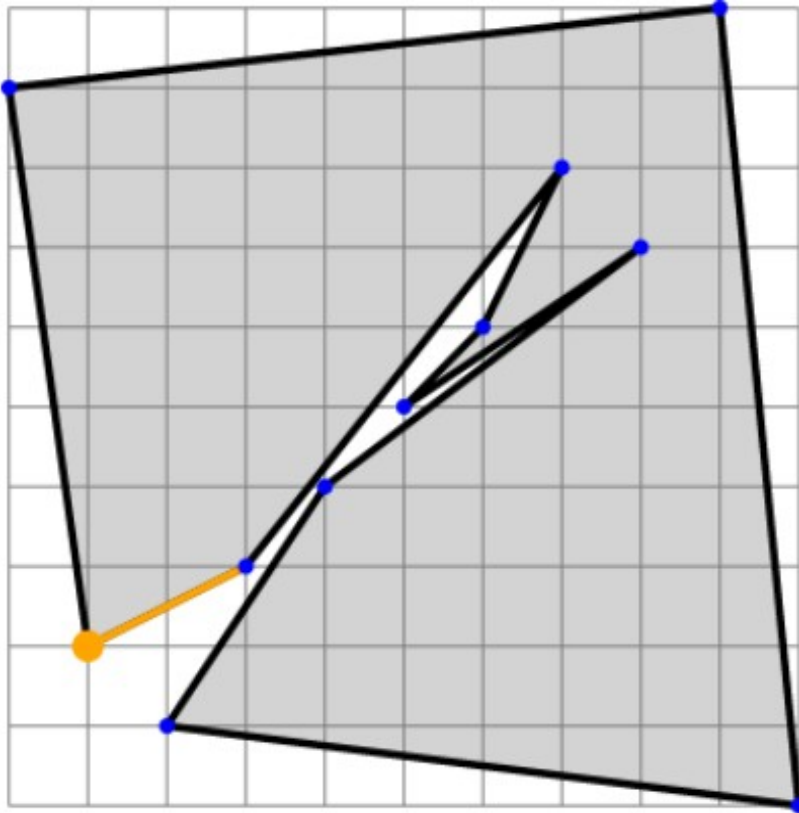
N = 10, continued



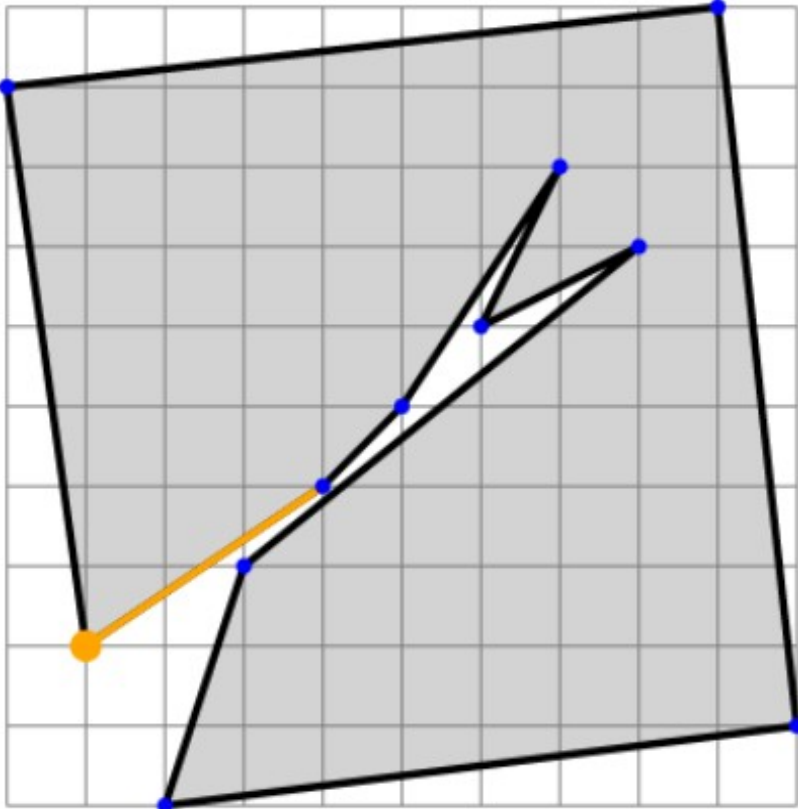
$N = 11$, $a = 75.5$,
5 polygons



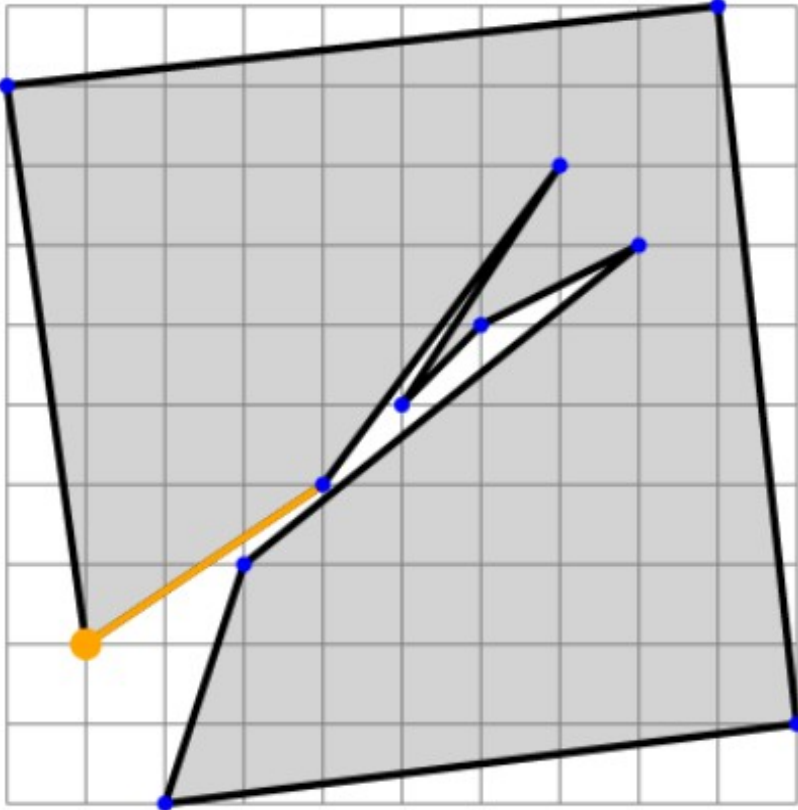
$N = 11$, continued



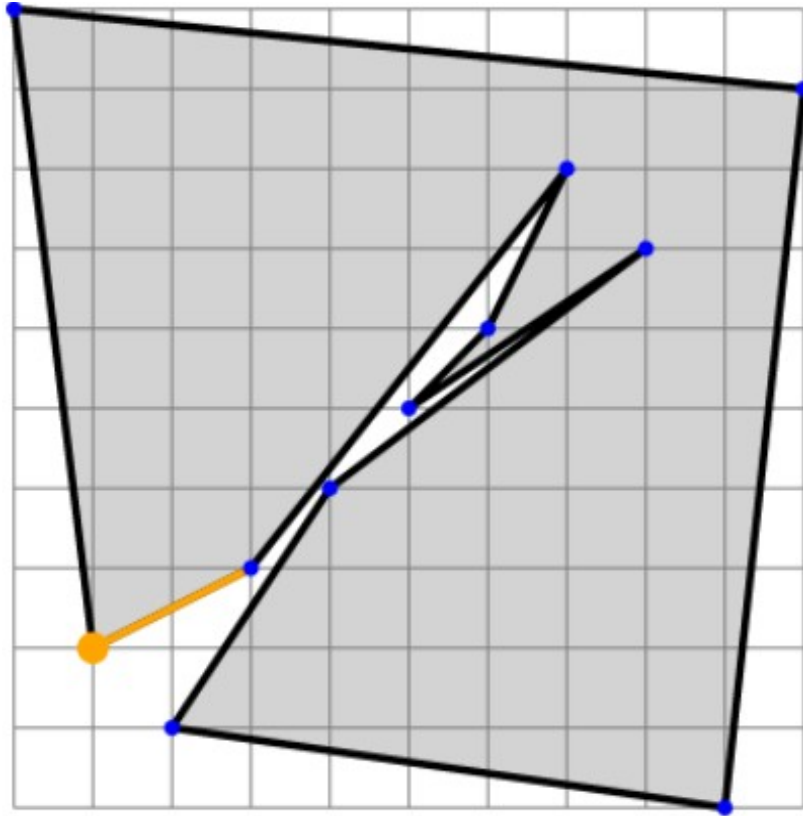
N = 11, continued



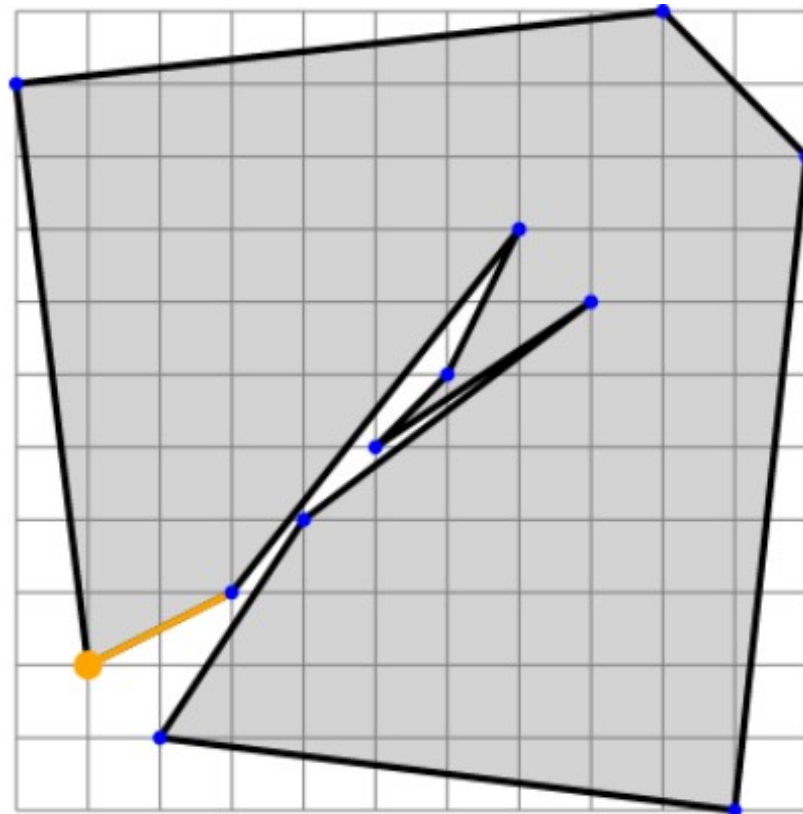
N = 11, continued



N = 11, continued



N = 12, a = 94.5,
1 polygon



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