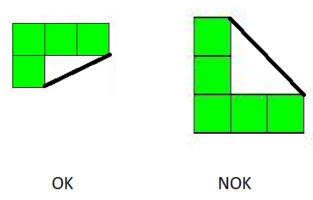
Sequence definition: The number of free polyominoes of area n that fill their minimal enclosing circle (MEC). A polyomino "fills" its minimal enclosing circle if no square may be added to it that doesn't have some point outside of the circle.

Data (offset 1):

Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Number	1	1	0	1	1	2	1	1	1	1	1	3	2	2	2	3	2	3	1	3	2	4	1

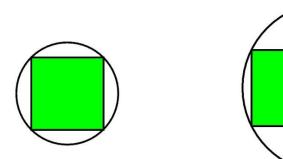
MEC fillers satisfy the following necessary (though not sufficient) conditions:

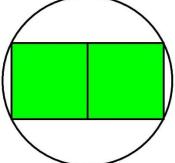
- 1. They are convex (as that term applies to polyominoes).
- 2. The absolute difference between height and width is at most 1.
- 3. Any diagonal line joining "adjacent" outward corners has a height of 1 or a width of 1. See these two examples:



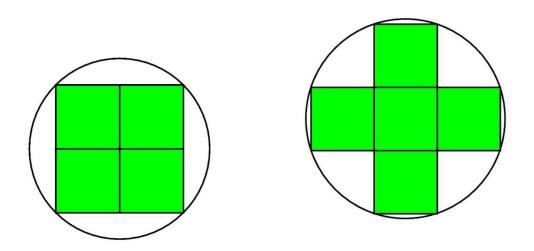
Illustrations of MEC filling polyominoes of sizes 1 through 23:

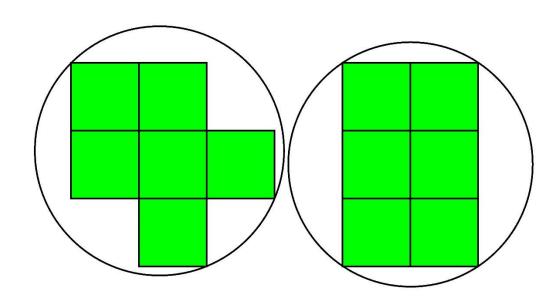
Sizes 1 and 2:



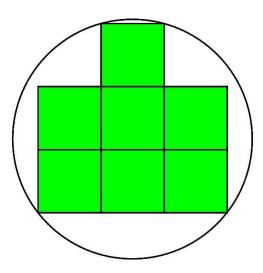


Sizes 4 and 5:



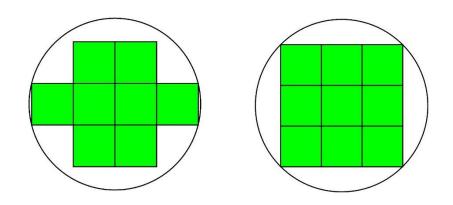


Size 7:

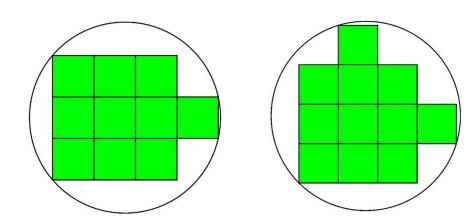


Size 6:

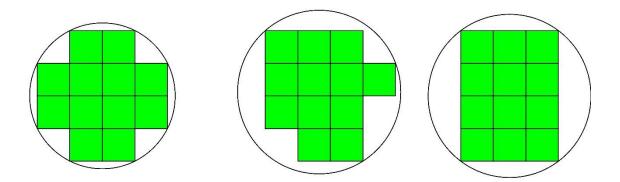
Sizes 8 and 9:



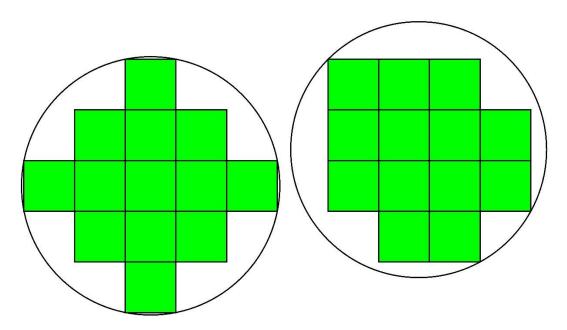
Sizes 10 and 11:



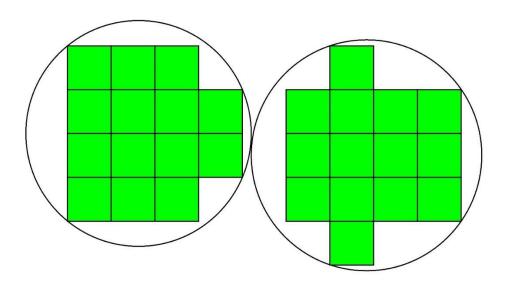
Size 12:



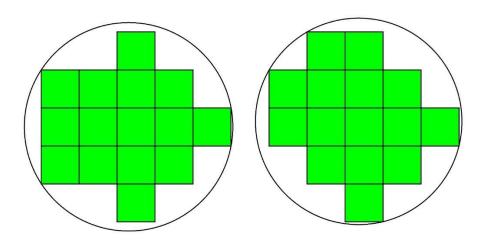




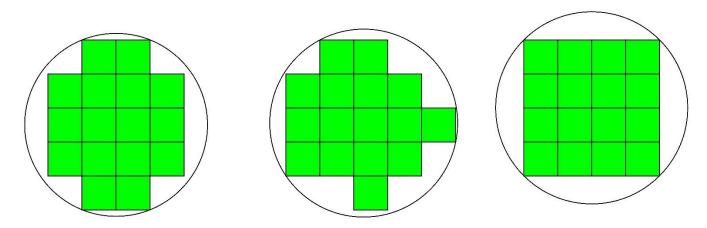




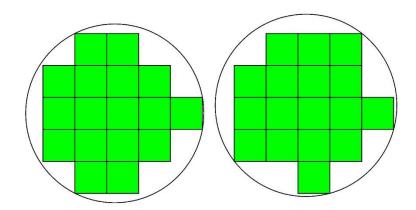




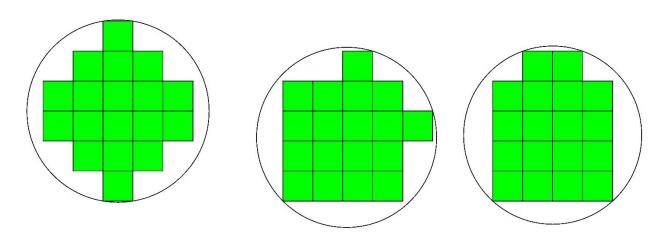
Size 16:



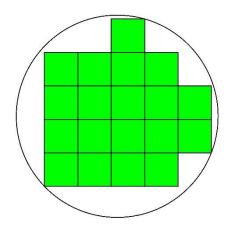




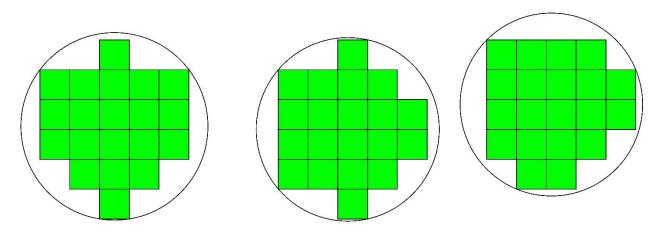
Size 18:



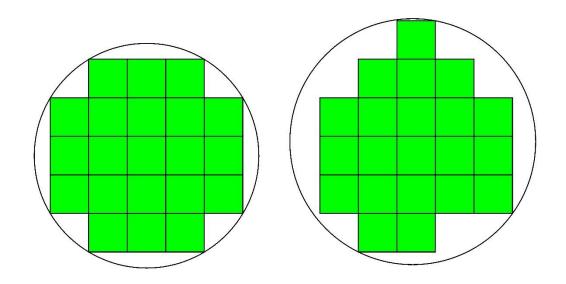
Size 19:



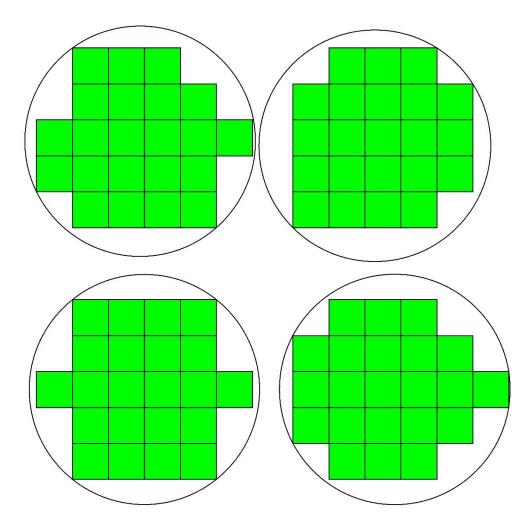




Size 21:







Size 23:

