



Construction rule:

- 1 Draw line cd at length ab perpendicular to ab and bisect each other.
- 2 Draw line ac , ad , bc & bd .
- 3 Draw line ce to bisect angle acd and cut ad at e .
- 4 Draw line cg to bisect angle bcd and cut bd at g .
- 5 Draw line ae , ef , fg and gb which is $(n+1)$ generation. (4 equal elements)

ab is any single element of n generation.

Modified Levy C curve

The total length after n iterations:
 $L(n) = A(n) + B(n) * \sqrt{2}$

$$A(n) = A084130(n)$$

$$B(n) = 2 * A248599(n)$$

n	$L(n) = (2 * (2 - \sqrt{2}))^n$
0	1
1	1.17157287525381
2	1.37258300203048
3	1.60808101421335
4	1.88398409746300
5	2.20722466599718
6	2.58592454827345
7	3.02959905821014
8	3.54939607949349
9	4.15837617026678
10	4.87184072618638

