Triangles added in n-th generation: 1, 3, 6, 9, 12, 15, 18, ... (A008486)
Total triangles in n-th generation: 1, 4, 10, 19, 31, 46, 64, ... (A005448)

- \( v-v \), \( v-v \)
- \( s-v \), \( s-v \)
- \( s-v \), \( v-s \)
- \( v-s \), \( s-v \)
- \( v-s \), \( v-s \)
- \( s-s \), \( s-s \)
- \( x-x \), \( y-y \)

\( a(0) = 1 \)

\( x-x \) = odd n-th generation, \( y-y \) = even n-th generation.

The expansion version:
- \( v-v \) = vertex to vertex
- \( v-s \) = vertex to side
- \( s-v \) = side to vertex
- \( s-s \) = side to side