Algorithmic Doodle Art 7: A Christmas Tree

Next time you find yourself doodling, draw an algorithmic doodle and explore both mathematical shapes and algorithms for drawing nature. Here is an example Doodle Algorithm.

1. Start by drawing an outline of a Christmas tree as a triangle (as below).
2. DoodleDraw in that triangle as follows.

**To DoodleDraw in a given triangle:**

1. Pick one of the three corners of the triangle.
2. Draw a smaller triangle in the bigger one at that corner (a third the size of the original).
3. Draw a small coloured circle somewhere in the new triangle.
4. Either colour the new triangle green or leave it as it is at random.
5. Choose a new existing triangle and **DoodleDraw** in that triangle.