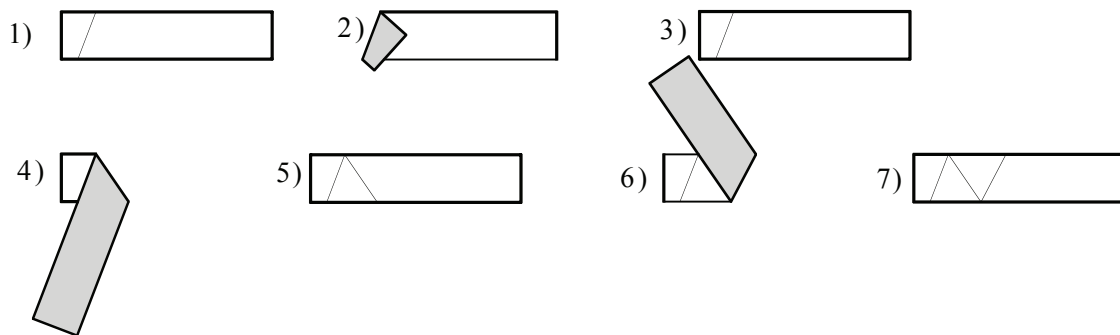


1 Evaluate this algorithm for producing equilateral triangles.



- 2 Of course you can fold a strip of paper into halves, quarters, eighths, etc. What about fifths? thirds? sevenths?
- 3 If you carefully and cleanly make a knot with a strip of paper, you get a regular polygon. Which one? WHY?
- 4 Fold a square piece of paper in half vertically. Then unfold. Then make the first *non-trivial* fold: bring the southeast vertex of the square to coincide with the midpoint of the north side (your vertical fold helped). You now have some new, interesting points and lines. Investigate. Generalize.

Polygonal knot templates for 1.5in paper strips

