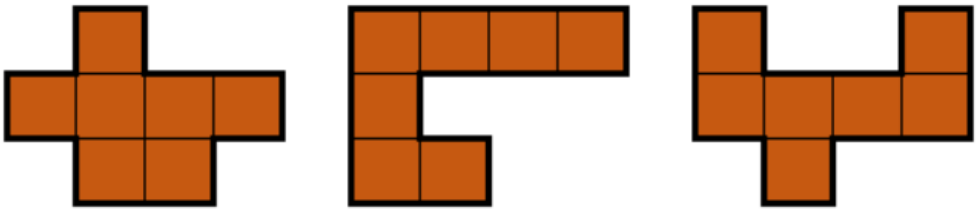
Eleventh Problem of the Week, due Thursday 05/02 11:59pm

A **glob** is a polygon like a Tetris piece, but made out of 7 squares instead of four. Three example globs are shown in the figure below: each comprises 7 squares of the same size, attached edge-to-edge to form a single polygon.



It is known that there are exactly 108 different globs. Is it possible to tile a 28×27 rectangle using each glob exactly once?