

Solutions to challenges posed in “Folding polyominoes from one level to two,” by Greg N. Frederickson

Figure A1 gives the folding of the N-pentomino that was left as a challenge on page 10. Pieces G through J below replace the pieces G through I in Figure 11 to extend the skew tetromino to an N-pentomino.

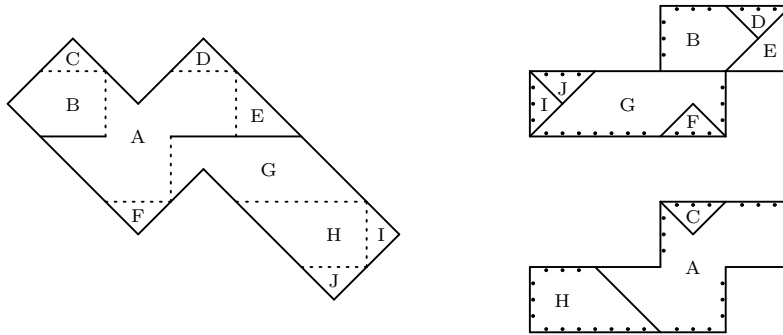


Figure A1: Folding a 1-level N-pentomino to a 2-level one

In Figure A2 is a folding of a P(3,3)-polyomino left as a diversion for the reader on page 11. It is a generalization of the folding in Figure 15.

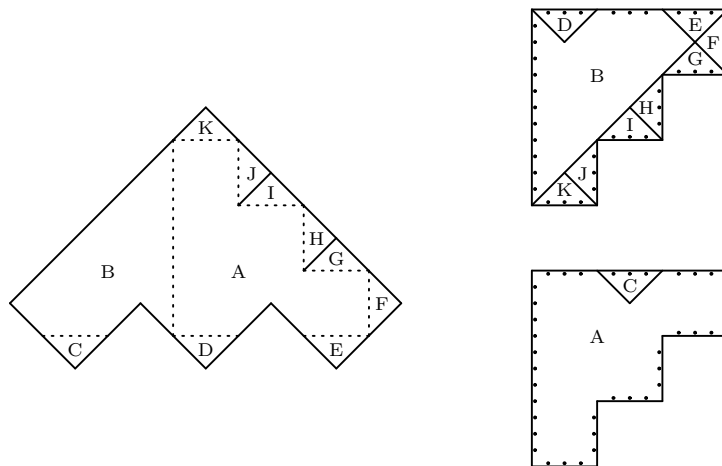


Figure A2: Folding a 1-level P(3,3)-polyomino to a 2-level one

In Figure A3 is a folding of a $P(4, 2)$ -polyomino left as a diversion for the reader on page 11. It is a generalization of the folding in Figure 14.

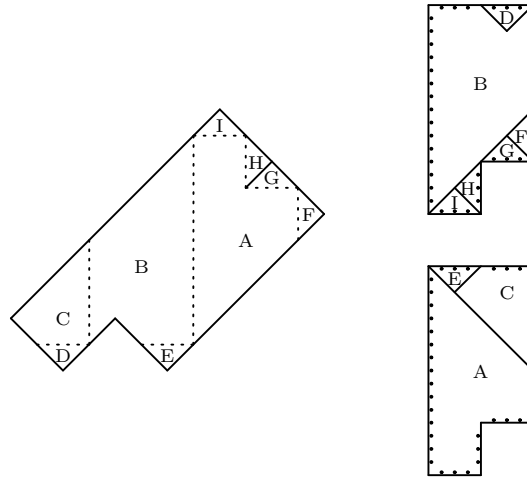


Figure A3: Folding a 1-level $P(4, 2)$ -polyomino to a 2-level one

In Figure A4 is a folding of a $P(4, 6)$ -polyomino left as a diversion for the reader on page 11. It is a generalization of the folding in Figure 15.

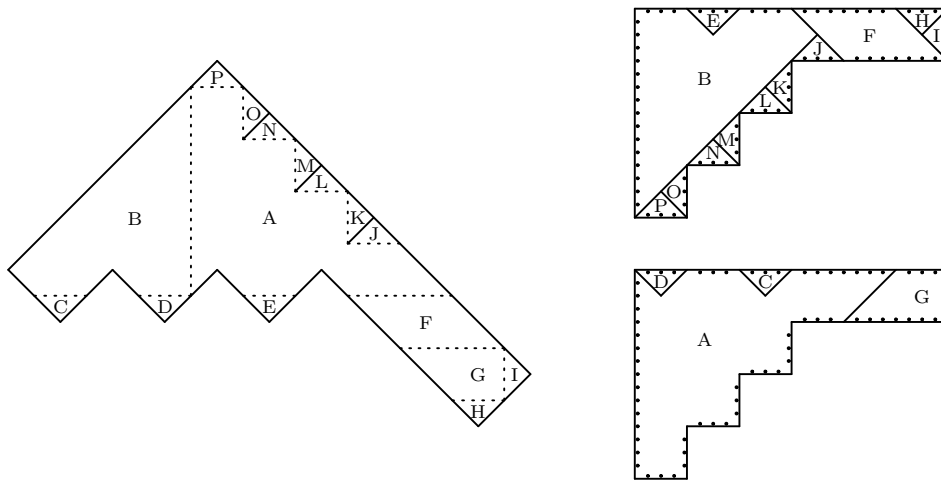


Figure A4: Folding a 1-level $P(4, 6)$ -polyomino to a 2-level one