

Problem of the Week Week 10, Due Monday, March 24, 11:59pm NAME: _____

NAU Email: _____

Please write clean, neat and complete solutions to the problem in order to receive full credit. Your job is to convince me, or really anybody who reads this document, that you understand the problem and are able to communicate what you are thinking. Please submit your solutions through Gradescope (<https://www.gradescope.com>) by the indicated deadline. You might need to create an account with your NAU email. To enroll in the Problem of the Week course use entry code: NYZ56P. Good luck and have fun!

TRIOMINO TANGO.

In how many different ways is it possible to cover a 3×12 rectangular board with twelve 1×3 tiles? The board must be covered completely with no uncovered squares, no part of any tile may be off the board and tiles may not overlap.