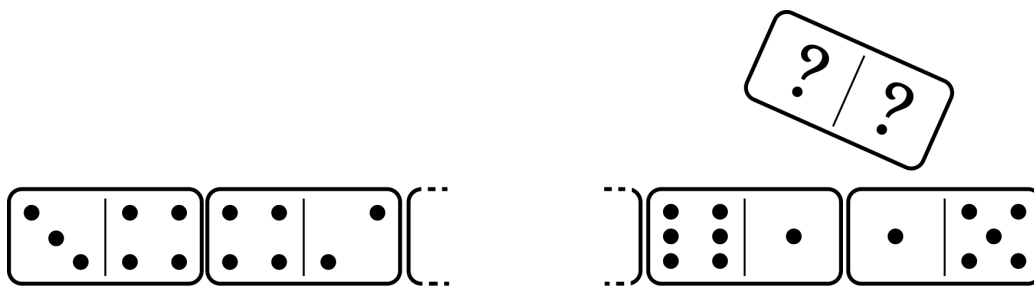


MATH CHALLENGE PROBLEM

for April 2016

Domino Circuit



A domino consists of two squares, each with some number of dots between 0 and 6 in each square. A standard double-six set of dominoes contains exactly one domino with each possible pair of numbers on it. Suppose you start laying down a line of dominoes, observing the rule that two dominoes can touch only if the numbers on the touching squares are equal. After laying down all but the last domino you notice that the two ends of the line happen to have 3 and 5 dots respectively.

The Challenge: What does the last domino look like? Prove your answer.

Submit solutions to Ross 2239G or oscar.levin@unco.edu by **Friday, April 29**.

The best solution WIN A PRIZE!

Prizes include nifty Rubik's style puzzle cubes, math puzzle books, math games, even a math coloring book. So submit your answer TODAY!