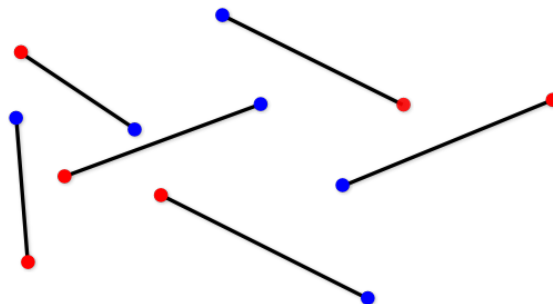


Math Challenge Problem

for early February, 2014

Connect the Dots



Suppose you find $2n$ dots on a sheet of paper with no three dots on a single line. You notice that half of the dots are red, the other half blue. Both the positioning and coloring of the dots appears arbitrary.

The Challenge: Prove that you will be able to connect all the dots in pairs (one red to one blue) with non-intersecting line segments.

Submit solutions to Ross 2239G or to oscar.levin@unco.edu by **Friday, February 14**.

WIN PRIZES!

A winner will be randomly selected from all correct answers received for each challenge problem to receive a fun math prize of his or her choice.

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