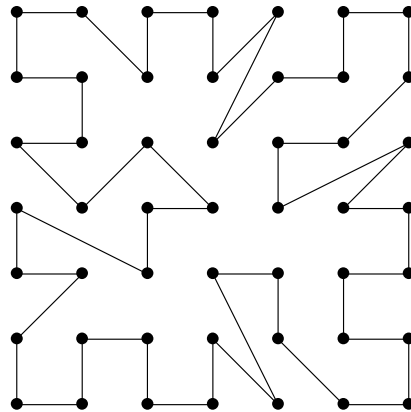


Pi Mu Epsilon

the mathematics honors society for university students



Thursday, March 31, 2022

12:20-12:55pm

Hume 101

Dr. Ayla Gafni

Connect the Dots!

Maximal Polygons on a Square Grid

Abstract: Given an $n \times n$ grid of dots, can you connect all of the dots and end up with an n^2 -sided polygon? If $n=2$, it's easy. If $n=3$, it's impossible. What about for larger values of n ? We'll explore this problem together and work out exactly when such a polygon exists.

FREE PIZZA WILL BE PROVIDED!