

# Martin Gardner

Evan Chen

TWITCH SOLVES ISL

Episode 71

## Problem

Does there exist a finite set of two or more points such that for any two points in the set, their perpendicular bisector contains exactly two points in the set?

## Video

<https://youtu.be/8Bv34HhINOI>

## **Solution**

Yes, consider the following picture in which four equilateral triangles are attached to the sides of a square.