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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.

