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Questions:

1. In the paper “**Computer solution to the 17-point Erdős-Szekeres problem**”, authors used triples to describe convex relations. Why might quadruples not be used for the proof with 17 points? It might increase a calculation speed.
2. In the paper “**Following a curve with the discrete Fréchet distance**”, there is the sentence “*Planar 3-SAT is any 3-SAT formula that can be drawn as a planar graph with vertices representing clauses and variables. This is a convenient form of 3-SAT for geometric reductions since a crossover gadget is unnecessary.*”

What is a purpose of using 3-SAT in the article and proofs?