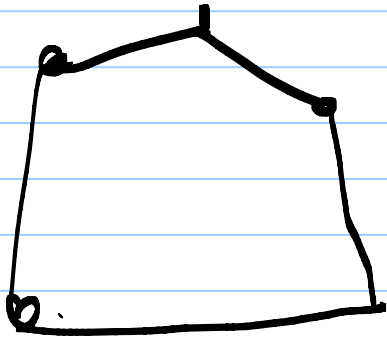


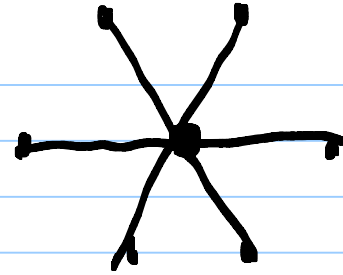
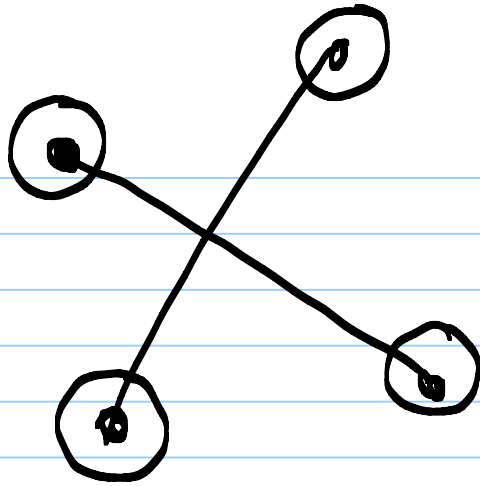
- # of Diagonals.

- ^{max} # of Intersection points. ?

Def:

Intersection point from 2 diagonals
intersecting at the interior of polygon





1. 2 intersecting diagonals define 4 distinct vertices.

2. Given 4 distinct vertices, there is a unique intersection point.

$$\binom{n}{4}$$