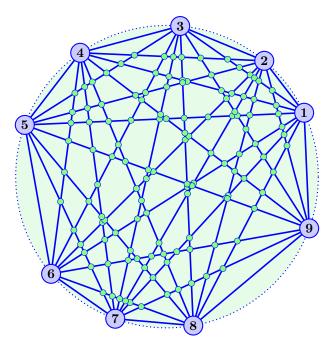
Consider n randomly placed points on a circle.

- 1. The complete graph on the n points has  $\binom{n}{2}$  edges.
- 2. Each pair of edges yields an intersection point and there are (at most)  $\binom{n}{4}$  such points.



Number of generated intersection points: 126