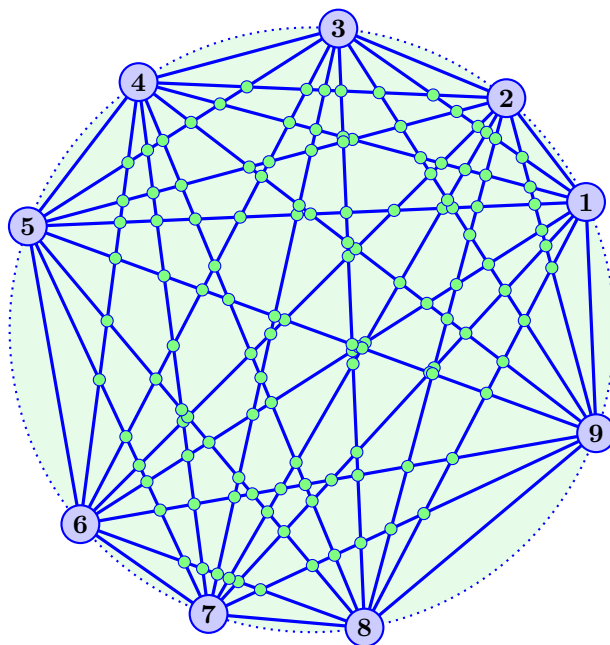


Consider  $n$  randomly placed points on a circle.

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