



**n = 4**

Illustrating  $A331702(4) = 40$ .

The four points of the square are a, b, c, d.

Each vertex of the square is the center of one small circle such as ab and one large circle such as ac.

The circles and their intersections define a planar graph with curved edges. (The red lines are not part of the graph.)

There are 8 circles, and the graph has 40 nodes, 45 cells, and 84 edges.