Voronoi Diagram

Complexity

- Proof

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θ4-D-θ2

❖ Let D be

  the total circumference of all faces

❖   planarity :   3f ≤ D = 2e

                    3v ≤ D = 2e

❖   Euler's formula :   v – e + f – c = 1

                    //   c = 1 here

                    //   For the 2 graphs here:

                    7 – 11 + 6 – 1 = 1

                    4 – 5 + 3 – 1 = 1

                    11 – 16 + 8 – 2 = 1