MAI520 Beräkningsgeometri 2000/2001
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Exercises — 3

1. Design an algorithm for computing the Voronoi diagram, given the Delaunay triangulation.
2. Prove that every edge in the relative neighborhood graph is an edge in the Delaunay triangulation.
3. Find the dual of the vertices, and of the lines containing the edges of regular polygon centered on the origin, oriented so that no edge is vertical. What happens when the number of vertices tends to infinity?
4. Show that the furthest-point Voronoi diagram is the same as the $(n-1)$st order Voronoi diagram.

Hand in your solutions at the latest before the written exam on the **10/1 2001**.