MAI520 Computational geometry 2003
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Homework assignment — 3

1. Solve problems 5 and 6 on pages 164-165 in O'Rourke's book.
2. 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?
3. Show the zone theorem using Davenport-Schinzel sequences with the weaker upper bound $8n$. How can this be improved to $6n$?

Hand in your solutions at the latest on the 21/10.