Discrete and Algorithmic Geometry

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Sheet 3

due on Monday, December 12, 2016

Writing

- (1) Matoušek, Lectures on Discrete Geometry, Chapter 5.6; Ziegler, Lectures on Polytopes, Section 6.5: Complete the proof of the existence of a non-rational 8-polytope with 12 vertices by proving that not all coordinates of a drawing of its Gale diagram can be rational.
- (2) Ziegler, Exercise 6.9
- (3) Ziegler, Exercise 6.15
- (4) Ziegler, Exercise 6.17