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<div align="center">

Hand-in-problems for Convex Polytopes VT13
Extra set of problems for PhD-students

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Cooperation regarding the hand-in-problems is not permitted.
You must have written your solution on your own. Any external source used
must be cited.

List of Hand-in problems

15) Exercise 8.9 (i) and (ii) in "Lectures on Polytopes".

16) Exercise 8.27 in "Lectures on Polytopes".

17) Let $P = \Delta_d$ and f a generic linear function. Prove that $\omega_f(P) \cup \{\hat{0}\}$ is
the face poset of C_{d-1}, the $(d-1)$-cube. The notation $\omega_f(P)$ used in class is
equivalent to (but easier defined than) $\Pi(P, f)$ of Definition 9.7 in the book.

Problems 15-17 are **due 7/6**.

Good Luck!!

Svante