Homework 6

- 1. Exercise A4.33.
- 2. Exercise T5.18.
- 3. Exercise A4.32. Also explain how the answers change if the Euclidean norm in the first constraint is replaced by the ℓ_1 -norm, *i.e.*, for the problem

minimize
$$x_1$$

subject to $|x_1| + |x_2| \le x_2$
 $-x_1 \le 1$.

- 4. Exercise A4.14.
- 5. Exercise A4.22.
- 6. Exercise T5.29.