

**Automated Reasoning, WS 2015. Homework 1, given Oct 7, due Oct 13**

A. From the book by Chang and Lee:

page 23, ex. 1: (a, b, c);

page 23, ex. 2: (a, c, e).

B. Determine the truth value of the formula

$$(\neg P \vee Q) \wedge (\neg(P \wedge \neg Q))$$

under the interpretations:  $I_1 = \{P = \text{True}, Q = \text{False}\}$  and  $I_2 = \{P = \text{False}, Q = \text{True}\}$ .