

Automated Reasoning, WS 2013. Homework 2, given Oct 20, due Oct 27

A. From the book by Chang and Lee:

page 24, ex. 4: (b, d, h, l);

page 24, ex. 7: (a, b, e);

page 25, ex. 8;

page 25, ex. 9: (b, c, d, e).

page 97, ex. 1;

page 97, ex. 2.

B. Derive equivalent formulae of:

$A \wedge \mathbb{T}$, $A \wedge \mathbb{F}$;

$A \vee \mathbb{T}$, $A \vee \mathbb{F}$;

$A \Rightarrow \mathbb{T}$, $A \Rightarrow \mathbb{F}$, $\mathbb{T} \Rightarrow A$, $\mathbb{F} \Rightarrow A$;

$A \Leftrightarrow \mathbb{T}$, $A \Leftrightarrow \mathbb{F}$.