

Automated Reasoning, WS 2013. Homework 2, given Oct 18, due Oct 30

A. From the book by Chang and Lee:

page 99, ex. 1;

page 99, ex. 2.

B. Derive equivalent formulae of:

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

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

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

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