

# Chapter 3

## Logic

Exercise 3.1.

$p$	$p'$	$(p')'$
T	F	T
F	T	F

Exercise 3.2.

$p$	$q$	$q'$	$p \Rightarrow q'$
T	T	F	F
T	F	T	T
F	T	F	T
F	F	T	T

Exercise 3.3.

$p$	$q$	$p'$	$q'$	$p \Rightarrow q'$	$p \Rightarrow q'$	$q \Rightarrow p'$	$(p \Rightarrow q')' \vee (q \Rightarrow p')$
T	T	F	F	F	T	F	T
T	F	F	T	T	F	T	T
F	T	T	F	T	F	T	T
F	F	T	T	T	F	T	T

Exercise 3.4.

