MA-236: Homework 3

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January 31, 2019

I pledge my honor that I have abided by the Stevens Honor System.

1.18 Problems

(6.d) "It's false that if Min is home, she's on board, because if she's home, she's not on board."

Atomic Sentences:
A: Min is home
B: Min is on board

$$\frac{A \to \neg B}{\neg(A \to B)}$$

A	B	$A \to \neg B$	$\neg(A \to B)$
t	t	f	f
t	f	t	t
f	t	t	f
f	f	t	f

This argument is **not valid** because there are two counter examples where the premise is true and the conclusion is false.