INFO I201
Quiz 1
5/9/13

Name:

Let us define a new binary connective denoted $A \oplus B$, as follows:

A	B	$A \oplus B$
t	t	f
t	f	t
f	t	t
f	f	f

$\oplus$ is the *exclusive or* connective. Construct the truth table for the formula

$$(P \leftrightarrow Q) \oplus (P \leftrightarrow \neg Q).$$

Is this formula a tautology?