Quiz 2 - Math 374, Frank Thorne (thorne@math.sc.edu)

Friday, September 8, 2017

(1) What inference rule is illustrated by the following argument?

The cat has soft fur and loves to meow. Consequently, the cat loves to meow.

(2) Use proposition logic to prove that the following argument is valid.

$$(A \rightarrow C) \wedge (C \rightarrow B') \wedge B \rightarrow A'$$

(You may refer to your list of equivalences and inference rules.)