

CSCI 377 Homework

Due: Friday, Sept. 21, 2018

Show that $\forall x Q(x) \equiv \neg \exists x \neg Q(x)$, where Q is a 1-argument predicate.

HINT: Show that

$$\begin{aligned} I(\forall x Q(x)) &= \dots \\ &= I(\neg \exists x \neg Q(x)) \end{aligned}$$