Problem Set 1 Solution

March 14, 2020

Question 1

a. $\forall t \in T, Canadian(t) \Rightarrow \neg Stanley(t)$

b. $\forall t \in T,\ \exists d \in D,\ \neg Canadian(t) \wedge BelongsTo(t, d)$

c. $\forall t \in T,\ \exists d \in D,\ Stanley(t) \wedge BelongsTo(t, d)$

d. $\forall t \in T, \exists d \in D,\ BelongsTo(t, d) \Rightarrow \forall d' \in D, d' \neq d \wedge \neg BelongsTo(t, d')$

Question 2

Question 3

Question 4