Worksheet 3 Review 2

Hyungmo Gu

April 11, 2020

Question 1

a. $Correct(my\_prog) \wedge Python(my\_prog)$

b. $\forall x \in P,\ \neg Correct(x) \Rightarrow Python(x)$

> **Correct Solution:**
> $\exists x \in P,\ \neg Correct(x) \wedge Python(x)$

c. $\forall x \in P, Python(x) \Rightarrow \neg Correct(x)$

d. $\forall x \in P, \neg Correct(x) \Rightarrow Python(x)$

e. There is a program that is written in *Python* and is *Correct*

f. All programs are not written in *Python* and is *Correct*

g. There is a program that is *Correct* and not written in *Python*

h. All programs that are correct is not written in *Python*, and all programs that are *Correct* is not written in *Python*.

Question 2

a. Either all programs that are written in *Python* is *Correct*, or all programs that are written in *Python* are not *Correct*

Question 3

Question 4

Question 5