

Worksheet 3 Review

March 20, 2020

Question 1

- a. $Correct(my_prog) \wedge Python(my_prog)$
- b. $\exists x \in P, \neg Correct(x) \Rightarrow Python(x)$
- 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. Every program is not written in Python and is correct.
- g. There is a program that is correct but is not written in Python.
- h. All running programs not written in Python are correct, and all correctly running programs are not written in Python.

Question 2

- a. All programs written in Python is correct, or all program written in python is not correct.
- b. $(\exists x \in P, Python(x) \Rightarrow Correct(x)) \Rightarrow (\forall y \in P, Python(y) \Rightarrow Correct(y))$

Question 3

Question 4

Question 5