**Understanding the difference between if / if / if / … and if / else if / else if / …**

What is the difference between Option 1 and Option 2?  
How will their output be different?

*Note that the code is given in both Netlogo and Python…*

**OPTION 1 – if**

**Netlogo**

let x 2

if x = 2 [print("Hello")]

if x > 1 [print("Goodbye")]

**Python**

x = 2

if x == 2:

print("Hello")

if x > 1:

print("Goodbye")

**OPTION 2 – if/else**

**Netlogo**

let x 2

(ifelse

x = 2 [print("Hello")]

x > 1 [print("Goodbye")]

[])

**Python**

x = 2

if x == 2:

print("Hello")

elif x > 1:

print("Goodbye")