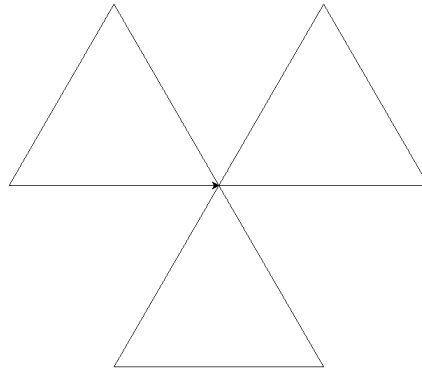
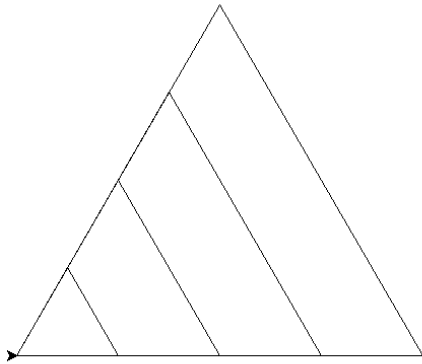


Week 2 Functions, Selection and Repetition

Part 1 Turtle Graphics (cont.)

Draw the following two figures with Python Turtle.



Part 2 Selection

What is the difference between the following two functions?

```
def foo():  
    if True:  
        if False:  
            print(1)  
        else:  
            print(2)
```

```
def foo():  
    if True:  
        if False:  
            print(1)  
    else:  
        print(2)
```

Part 3 Repetition

We mentioned the three types of loops/repetitions in the lecture. What is an example of each type in real life?

Part 4 Functions

Nowadays, we can make customizations when we order food. For example, you can order your burger with extra or no cheese. A burger is represented by a string consisting of its ingredients as follows:

- 'B' stands for a piece of bun
- 'C' stands for cheese
- 'P' stands for patty
- 'V' stands for veggies
- 'O' stands for onions
- 'M' stands for mushroom

Examples:

- A simple burger
 - 'BVPB'
- A double cheese burger
 - 'BVCPCPB'
- This one?
 - 'BPVBPVCB'



The price of each ingredient is given:

Ingredient	Price
'B' stands for a piece of bun	\$0.5
'C' stands for cheese	\$0.8
'P' stands for patty	\$1.5
'V' stands for veggies	\$0.7
'O' stands for onions	\$0.4
'M' stands for mushroom	\$0.9

Your task is to write a function `burgerPrice(burger)` that takes in a string representing a burger and returns the price of the burger. For example:

```
>>> burgerPrice('BVPB')
```

3.2