CS10 Spring 2018 Online Final SOLUTIONS

Question 1, Part A

```
+all+increasing?+ data : +(recursive)+

if length of data < 2

report true

item 1 of data < item 2 of data and all increasing? all but first of data (recursive)
```

Question 1, Part B

```
+all+increasing?+ data : +(non-recursive)+

report

combine with and items of

# map  over

reverse all but first of reverse data all but first of data ()
```

Question 2

```
def most_common(sequence):
    counts = {}
    for elem in sequence:
        if elem in counts:
            counts[elem] += 1
        else:
            counts[elem] = 1
        max_val = max(counts.values())
    return [elem for elem in counts if counts[elem] == max_val]
```