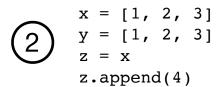
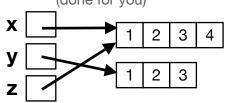
Put True (T) or False (F) in every cell, based on characteristics of each type.

Data Type	Mutable?	Pre-installed?	Builtin?	Create New Types?	Named Attributes?
list					
tuple					
namedtuple					
recordclass					

(done for you)





(draw)

```
nums1 = [1,2]

nums2 = nums1

x = nums2.pop(1)
```

(draw)

(draw)

```
people = {"alice":30, "bob":25}

x = people
y = people["bob"]
x["alice"] = 31
y = 26
```

(draw)

```
def f(items):
    return items.pop(0)
nums = [1,2,3]
nums.append(f(nums))
```

```
Remember to import copy for these in Python Tutor!
                                     (draw)
     x = [2,1]
     y = copy.copy(y)
     y.sort()
                                       (draw)
     def biggest(items):
          items = copy.copy(items)
          items.sort()
         return items[-1]
     nums = [3, 9, 6]
     x = biggest(nums)
                                       (draw)
     team1 = [
       {"name":"A", "age":7}
     1
     team2 = copy.copy(team1)
     team2.append(
       {"name": "B", "age": 9}
     team2[0]["age"] = 8
     x = team1[0]["age"]
                                       (draw)
     Same as above, but with
     copy.deepcopy(...) instead
     of copy.copy(...).
                                       (draw)
     orig = [1,[2,[3,4]]]
     x = orig
     y = copy.copy(orig)
     z = copy.deepcopy(orig)
```