

1 Butter Nutter

(a) Label the parts of the following function:

```
1 peanut = butter = "crunchy"
2 jelly = "strawberry"
3 def sandwich(butter, bread):
4     if (len(bread) > len(butter) and len(butter) != 0):
5         return sandwich(butter[1:], bread + butter[0])
6     return bread
7 sandwich(peanut + "_", jelly)
```

Solution:

```
1
2 peanut = butter = "crunchy"
3 jelly = "strawberry"
4 def sandwich(butter, bread):
5     if (len(bread) > len(butter) and len(butter) != 0):
6         return sandwich(butter[1:], bread + butter[0])
7     return bread
8 sandwich(peanut + "_", jelly)}
```

(b) What does the above function print?

(c)