Snap!:

a. Recursive solution:

```
+PalindromeANY + word + (recursive) +

if length of word = 0

report false
else

if letter 1 v of word = letter last v of word

report true
else

report
PalindromeANY all but first letter of all but last letter of word

(recursive)
```

b. Non-recursive solution (loops):

```
+PalindromeANY + word + (non-recursive) +

for i = 1 to length of word

letter i of word =

if letter length of word + 1 - i of word

report true

report false
```

c. Non-recursive solution (HOFs):
There are many different solutions, two are shown below:

```
+ PalindromeANY + word + (non-recursive) +

report

length of
keep items such that

letter → of word = item → of reverse word → list word

from numbers from 1 to length of word

> 0
```

Python:

```
def find_GC(GP, PC):
    GC = {}
    for key in GP:
        if GP[key] in PC:
          GC[key] = PC[GP[key]]
    return GC
```