Snap!:

a. Recursive solution:

b. Non-recursive solution (loops):

c. Non-recursive solution (HOFs):

There are many different solutions, two are shown below:
Python:

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