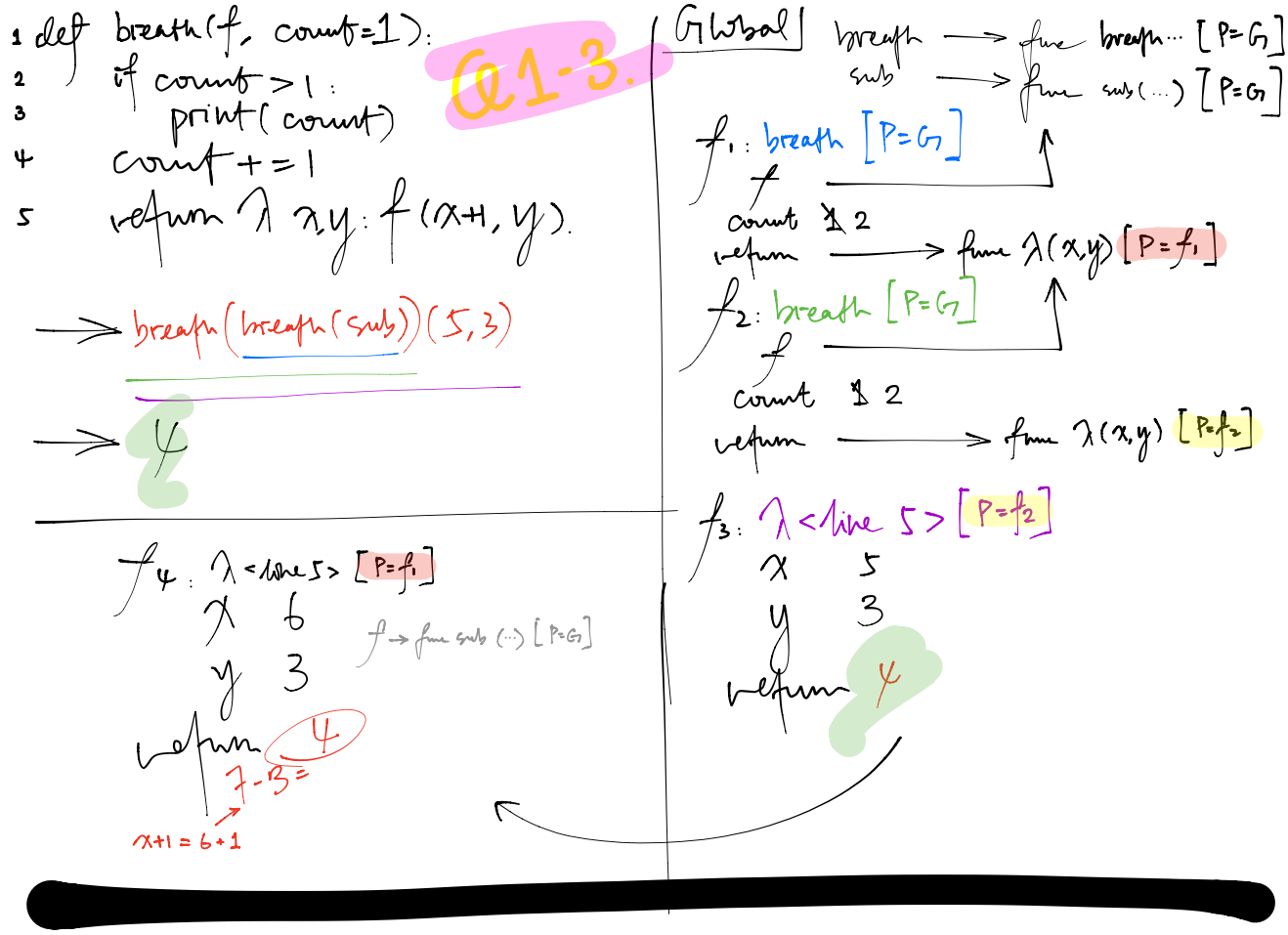

Q3-(c)

Key:

- smallest: min of part digits that could be expanded.
- d: Digit to ignore. i.e. last digit
- Going backwards
- Tree Recursion.

↑ take the curr last digit or not.

```
def near(n, smallest=10, d=10)
    if n==0:
        return 0
    no = near(n//10, smallest, d)
    if smallest > n%10:
        yes = 10*near(n//10, min(smallest, d), n%10) + n%10
        return max(yes, no)
    return no.
```