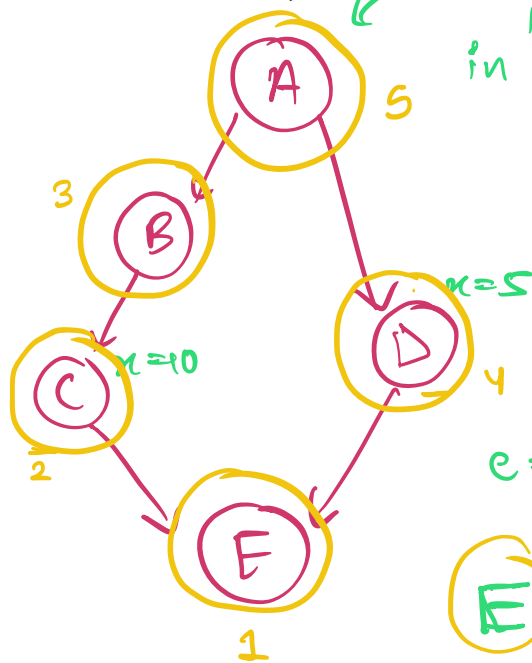


# → Functional Programming ←

leftover topics from oops

→ MRO



Diamond inheritance in python

Method Resolution Order

①

left to right

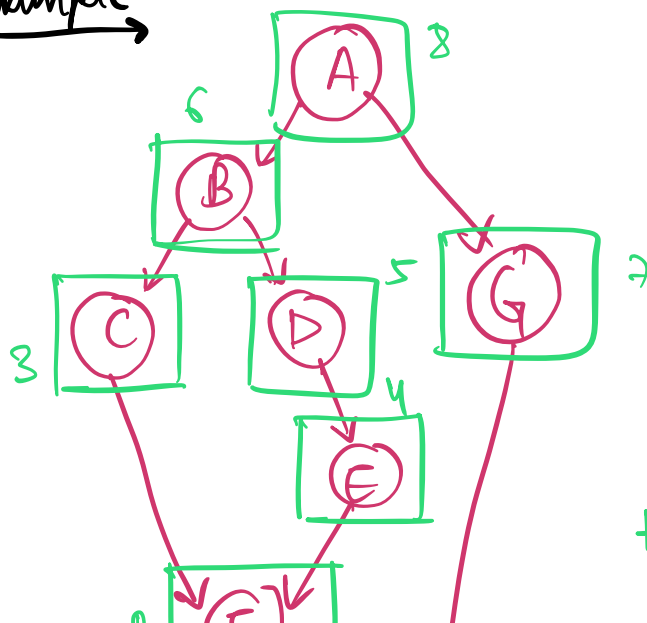
②

We go to a parent when all its children were considered.

$e = E()$

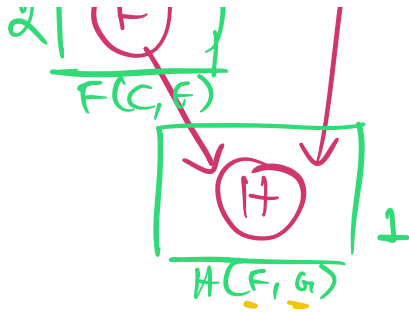
E → C → B → D → A

example

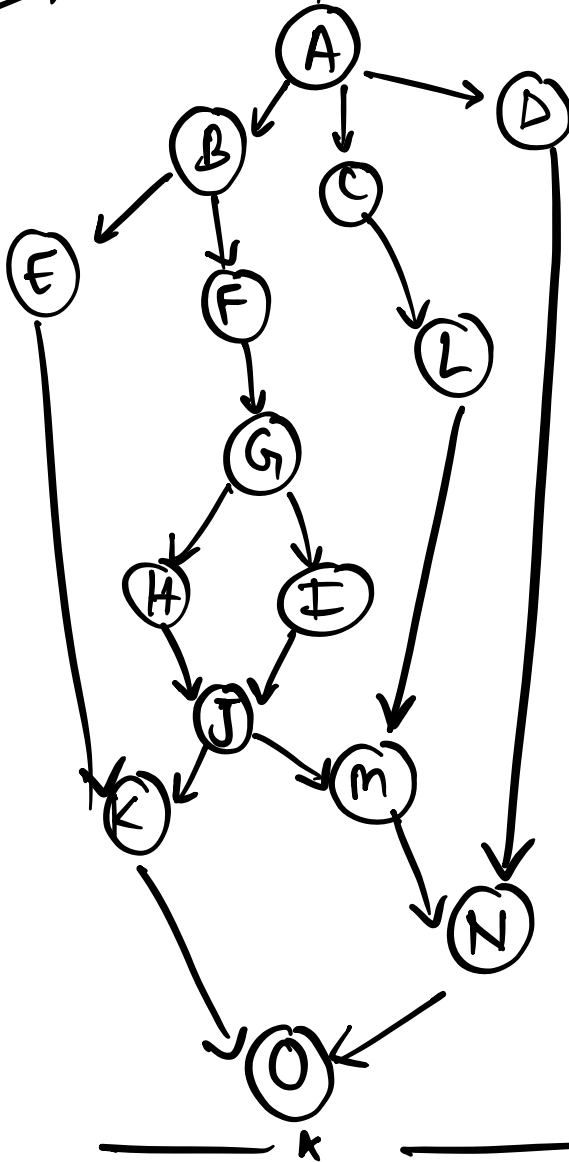


MRO

→  
H F C E D B G A



Q. (home work) →

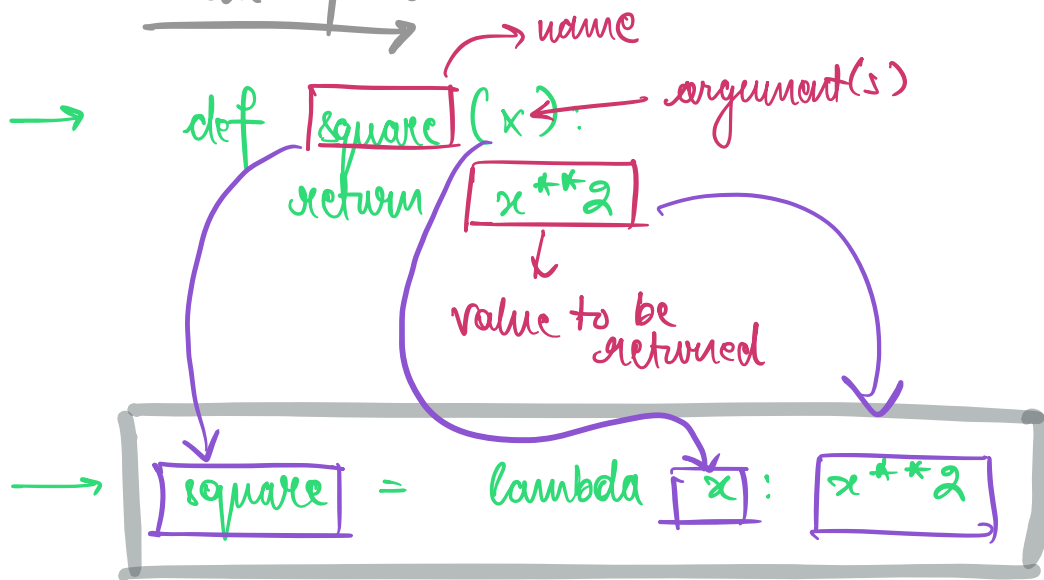


Functional Programming

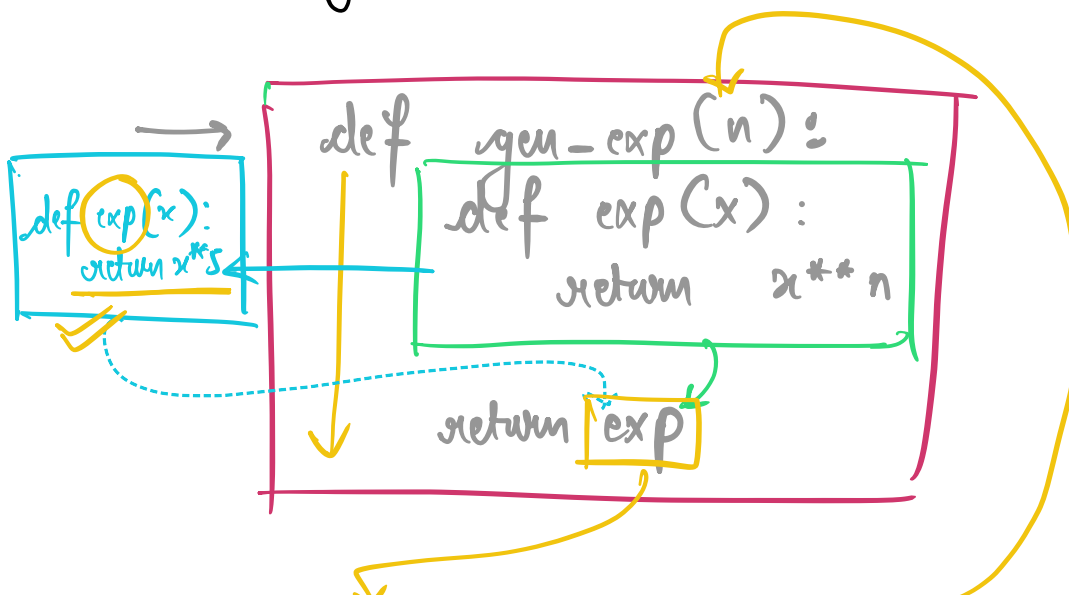
$$\rightarrow f(x) = a$$

$$f(x) = a \quad \rightarrow \quad \boxed{a = b} \quad \leftarrow \quad f(x) = b$$

lambda functions



→ Higher Order Functions



→ exp-5 = gen-exp(5)

↓  
[ x! return x\*\*x 5 ]