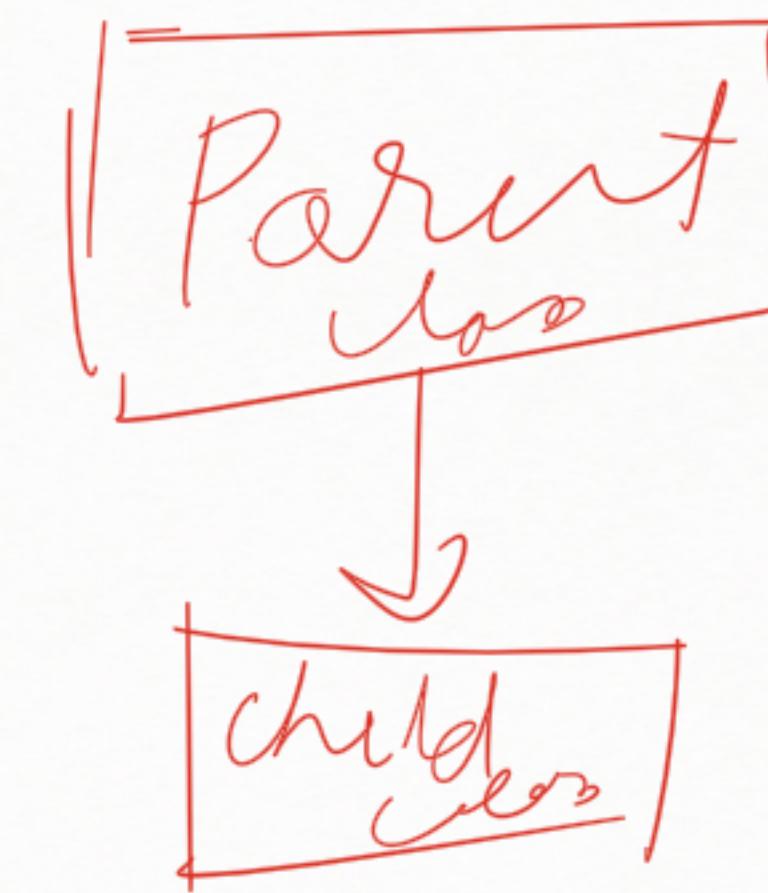


Properties	mode
Brand	accelerate
model	refuel
colour	brake
engine-type	
milage	
fuel	

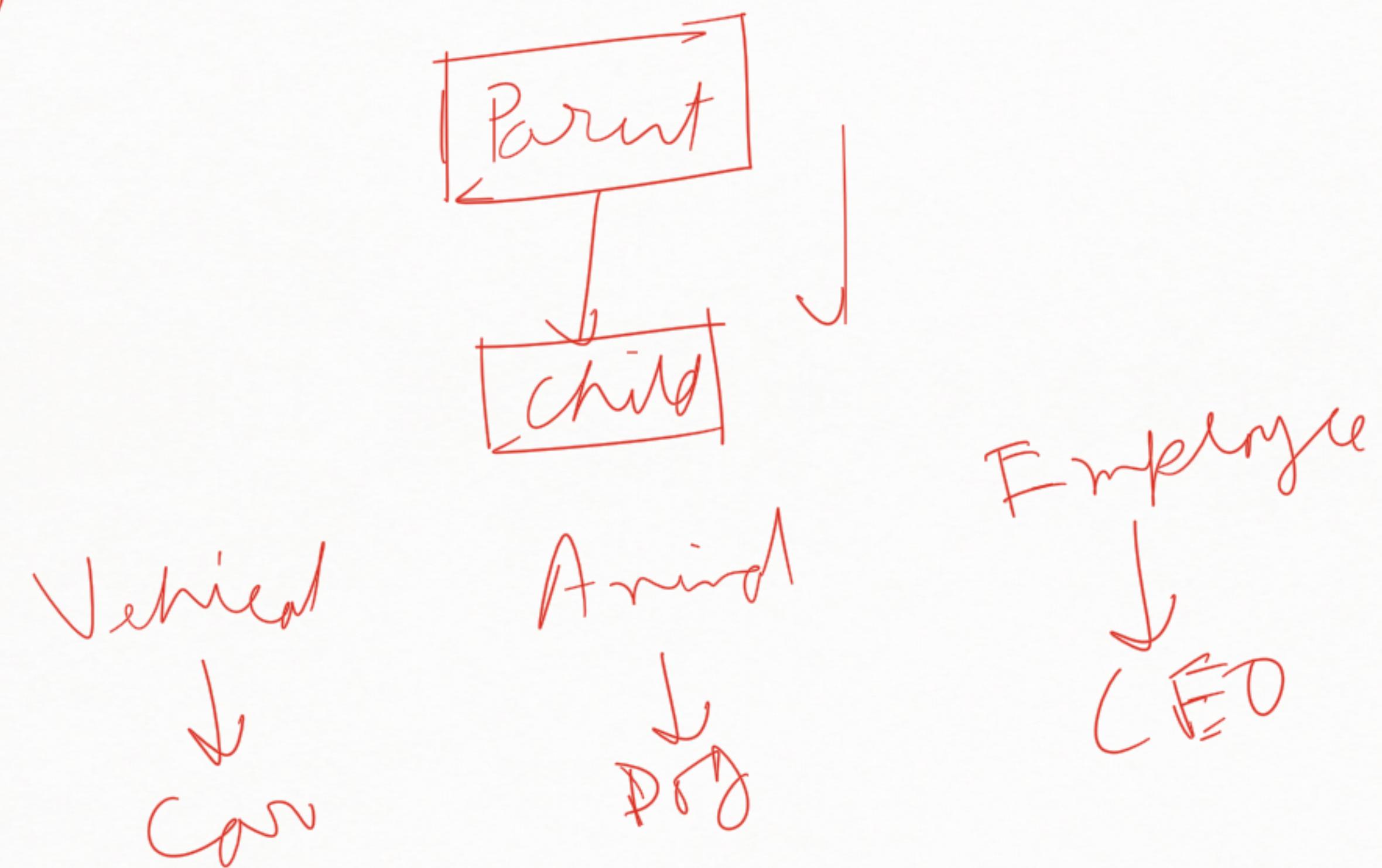
## Benefits of Encapsulation

- 1) Reusability
- 2) less complex
- 3) Improve Readability



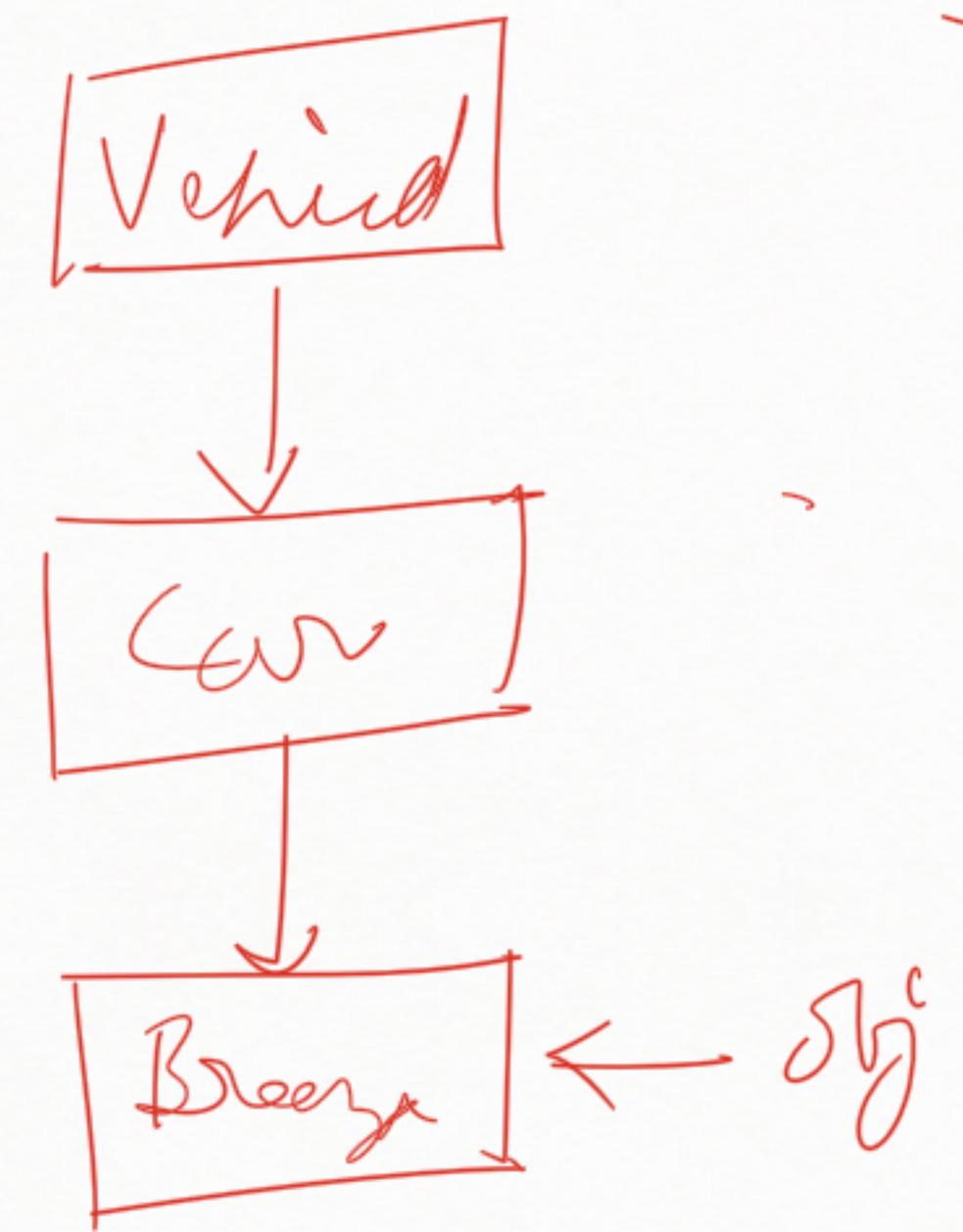
## Types of Inheritance

### ① Single Inheritance



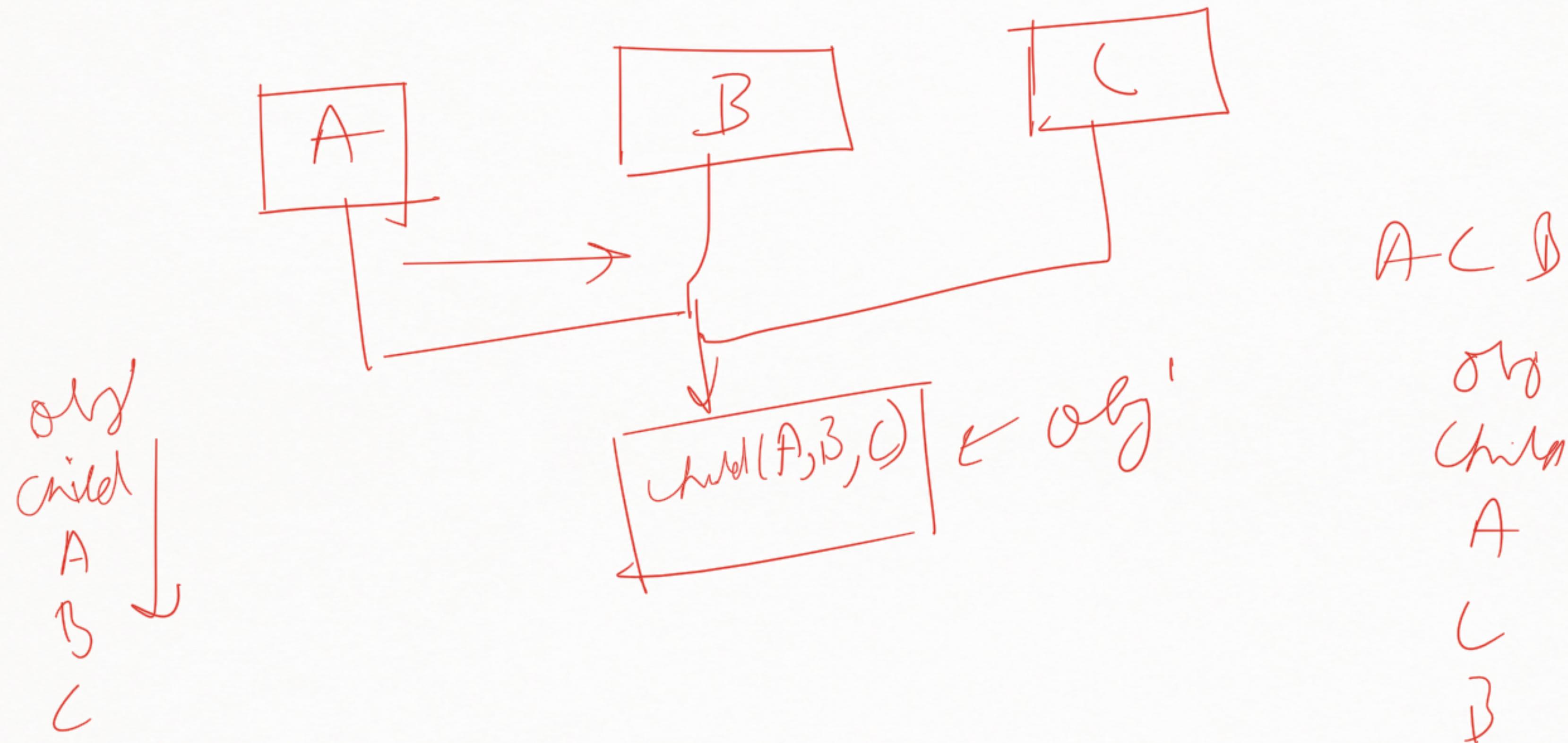
## ② Multilevel Inheritance

C3  
Linearization  
algorithm



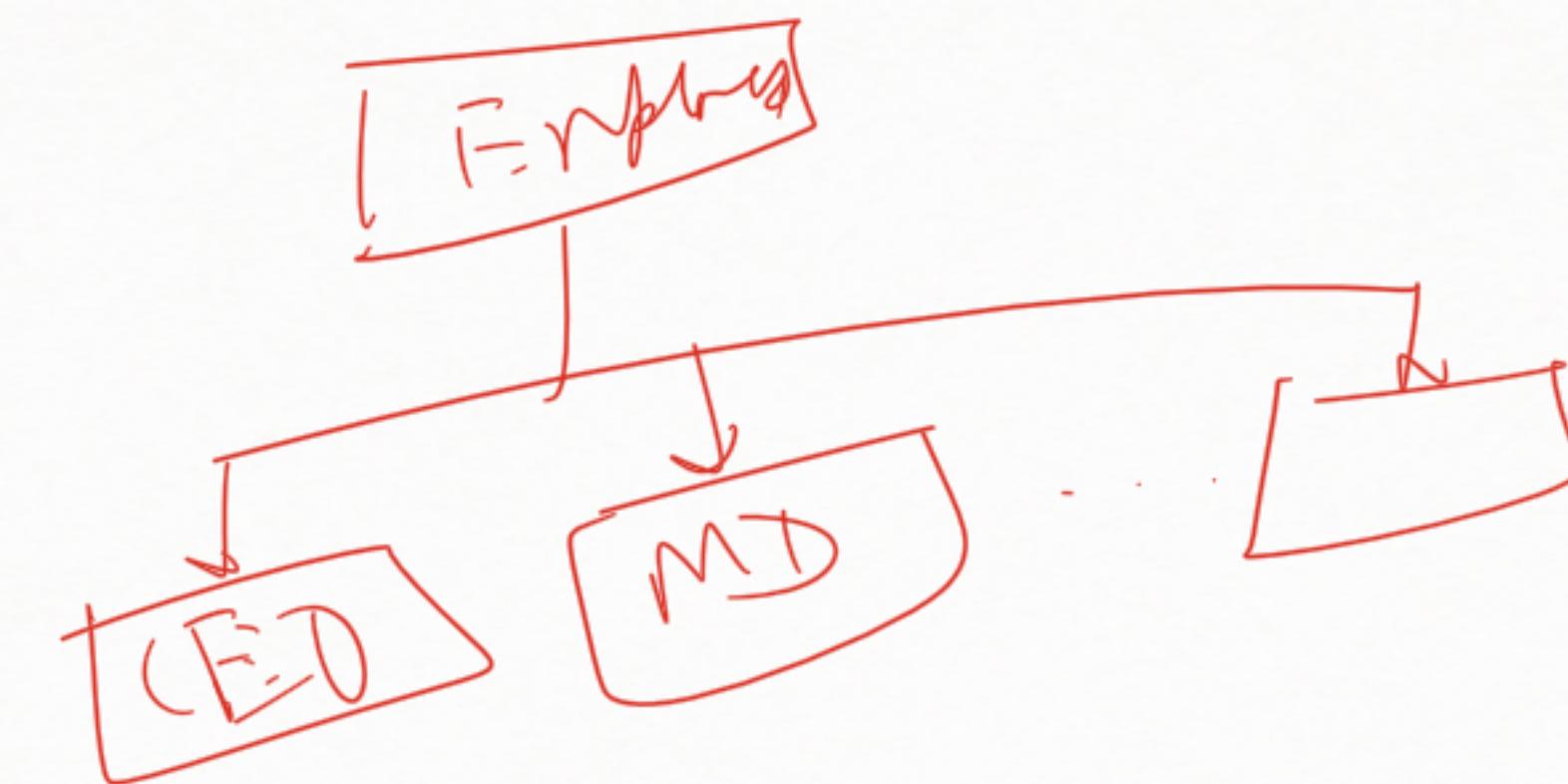
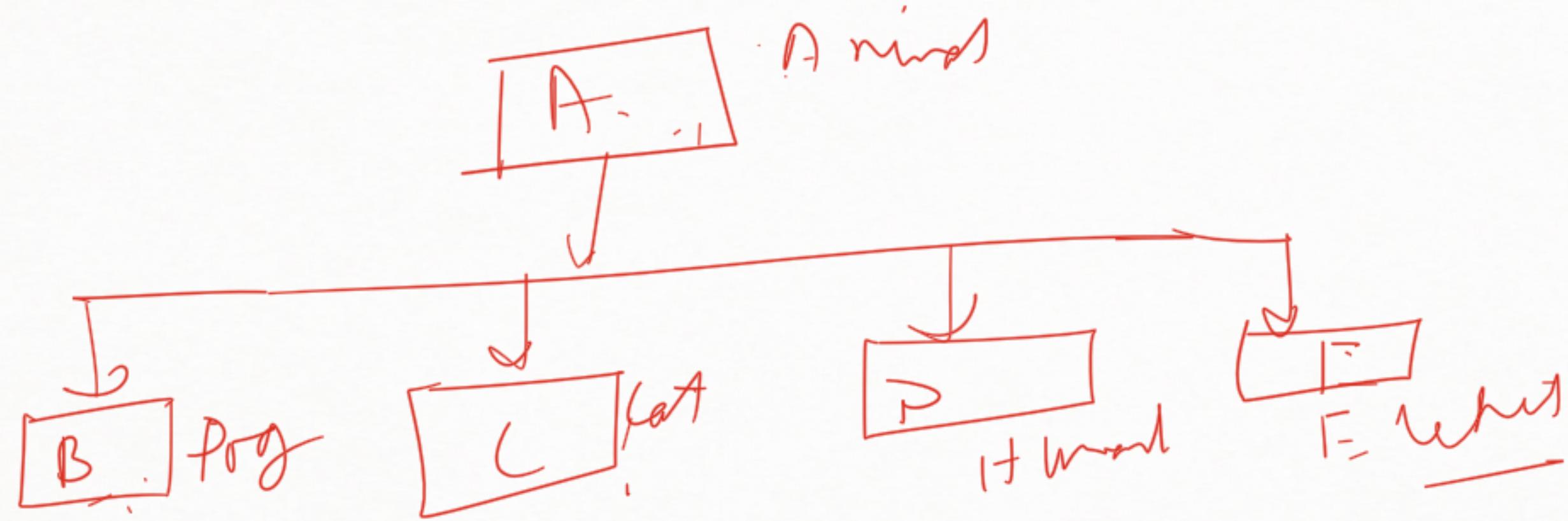
MRO  
→ method  
Resolution  
Order  
=

### ③ Multiple Inheritance



④

## Hierarchical Inheritance



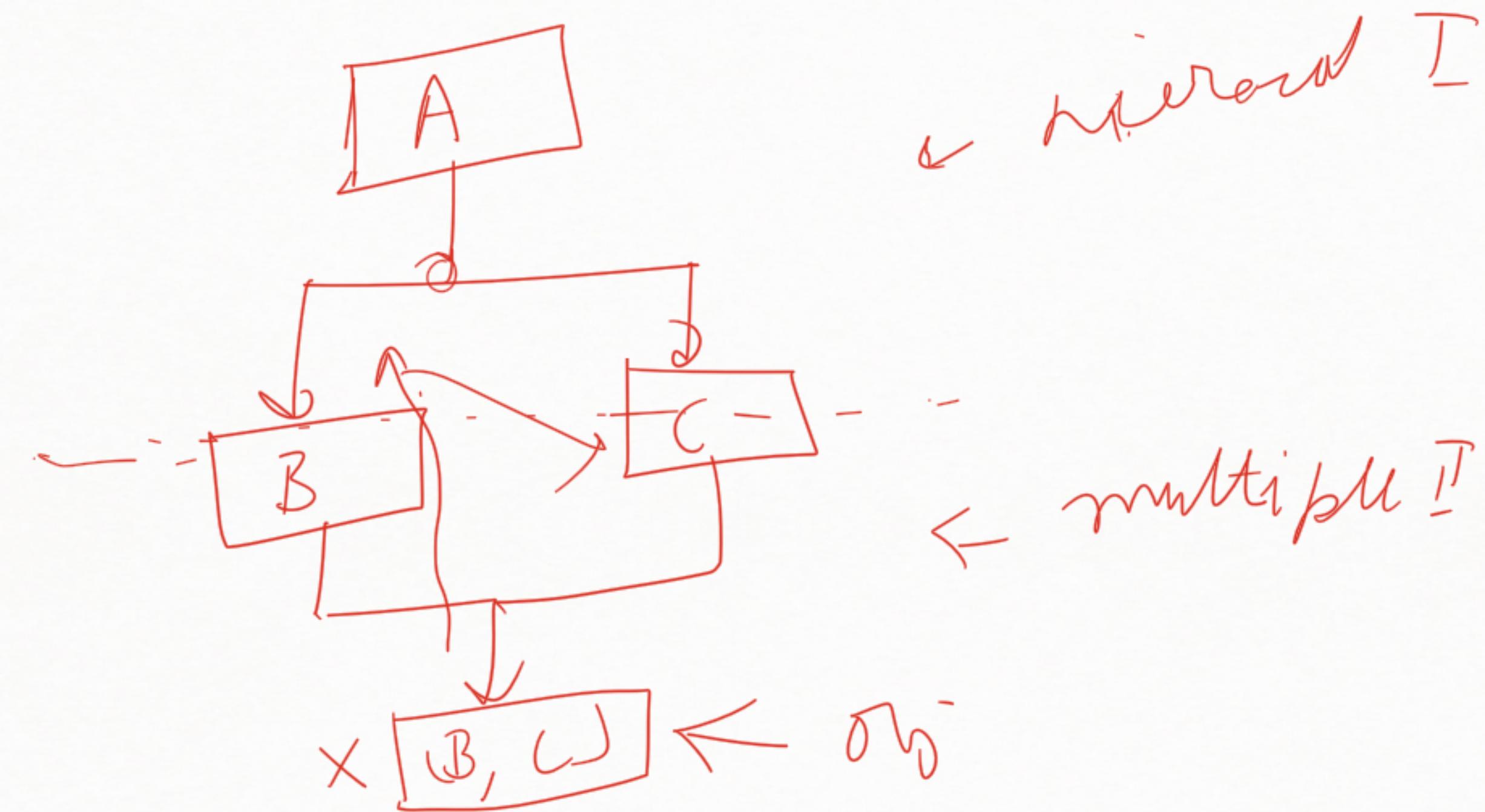
⑤

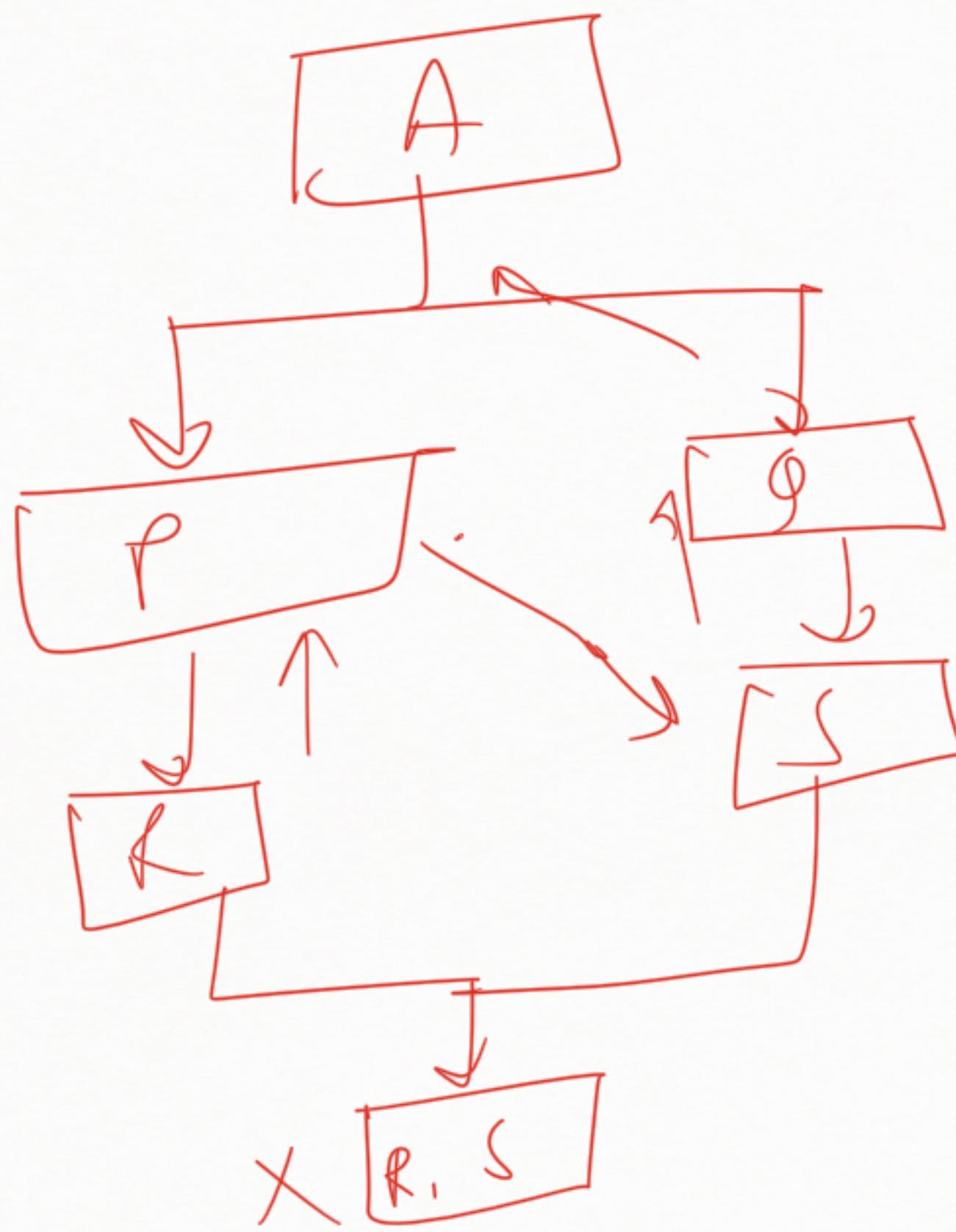
## Hybrid Inheritance

MRO

X

B(A)





M P D  
X  
R P  
S  
↓  
Q  
A

