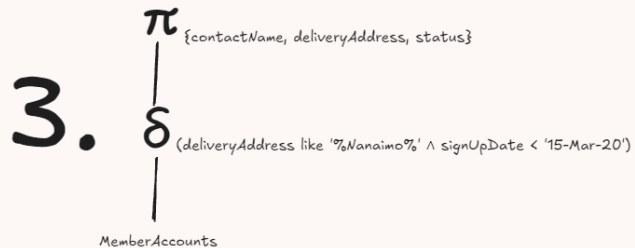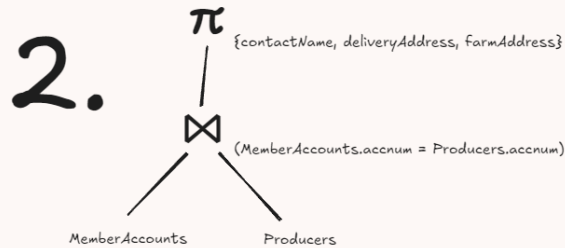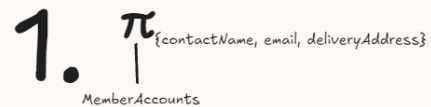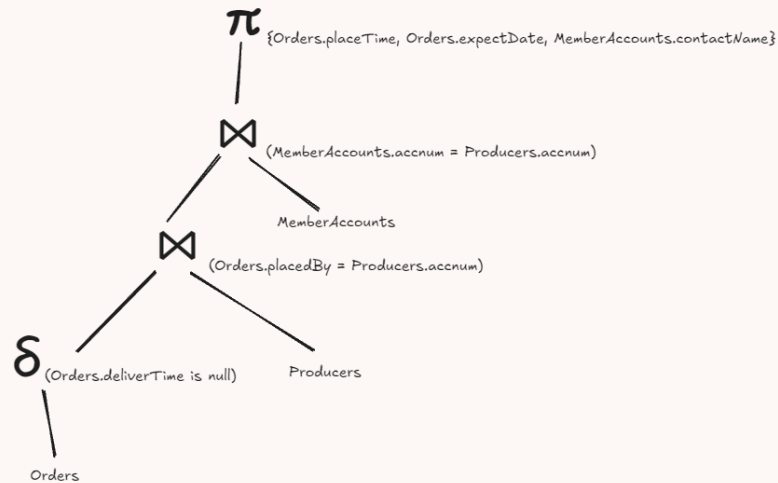π - Projection
δ - Selection
ρ - Renaming
× - Cross-Product
⋈ - Join / Natural Join

1. $\pi_{\{contactName,\ email,\ deliveryAddress\}}$
   |
   MemberAccounts

2. $\pi_{\{contactName,\ deliveryAddress,\ farmAddress\}}$
   |
   ⋈ (MemberAccounts.accnum = Producers.accnum)
   /   \
   MemberAccounts   Producers

3. $\pi_{\{contactName,\ deliveryAddress,\ status\}}$
   |
   $\delta_{(deliveryAddress\ like\ '\%Nanaimo\%'\ \wedge\ signUpDate\ <\ '15\text{-}Mar\text{-}20')}$
   |
   MemberAccounts

4. $\pi_{\{Orders.placeTime,\ Orders.expectDate,\ MemberAccounts.contactName\}}$
   |
   ⋈ (MemberAccounts.accnum = Producers.accnum)
   /   \
   ⋈ (Orders.placedBy = Producers.accnum)   MemberAccounts
   /   \
   $\delta_{(Orders.deliverTime\ is\ null)}$ Producers
   |
   Orders

5. $\pi_{\{MemberAccounts.accnum,\ MemberAccounts.contactName,\ MemberAccounts.deliveryAddress\}}$
   |
   ⋈ (Orders.placedBy = MemberAccounts.accnum)
   /   \
   $\delta_{(Orders.expectDate\ >=\ '01\text{-}Nov\text{-}24'\ \wedge\ Orders.expectDate\ <=\ '30\text{-}Nov\text{-}24')}$ MemberAccounts
   |
   Orders