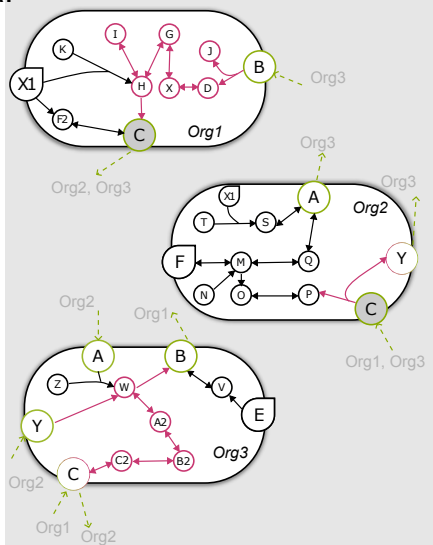


a.

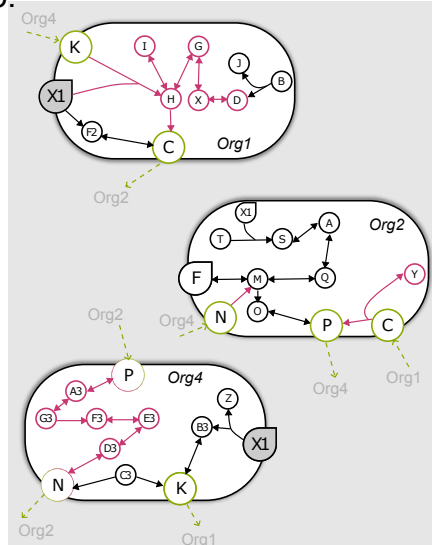


CooP = 9

ComP = 0.67

 $\delta = 12$   $\rho = 21$ 

b.



CooP = 8

ComP = 0.67

 $\delta = 13$   $\rho = 23$ 
  $\dashrightarrow$  Org4 Exchanged metabolite to

 Org4  $\dashrightarrow$   Exchanged metabolite from

 Newly produced metabolite

  $\longleftrightarrow$   Newly activated reaction

  Polyopsonist metabolite