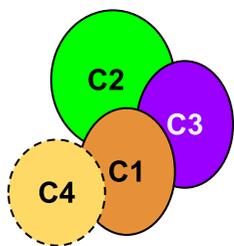


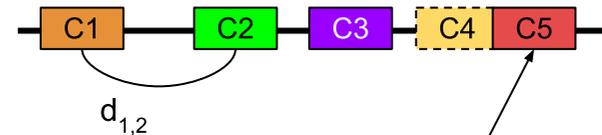
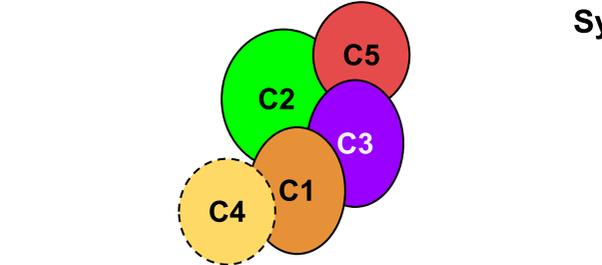
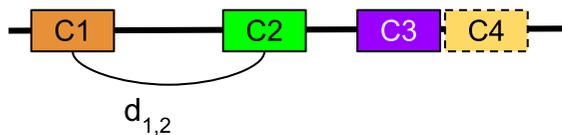
Macromolecular system



System A

System B

Genomic context



Model context

quorum rules

co-localization rules

model A	model B
C1	C1
C2	C2
C3	C3
(C4)	(C4)
C5	C5
$d_{1,2} \leq DA$	$d_{1,2} \leq DB$

xml transcription

A.xml

```
<model inter_gene_max_space="DA" min_required_gene="n" vers="2.0">  
  <gene name="C1" presence="mandatory"/>  
  <gene name="C2" presence="mandatory"/>  
  <gene name="C3" presence="mandatory"/>  
  <gene name="C4" presence="accessory"/>  
  <gene name="C5" presence="forbidden"/>  
</model>
```

B.xml

```
<model inter_gene_max_space="DB" min_required_gene="n" vers="2.0">  
  <gene name="C1" presence="mandatory"/>  
  <gene name="C2" presence="mandatory"/>  
  <gene name="C3" presence="mandatory"/>  
  <gene name="C4" presence="accessory"/>  
  <gene name="C5" presence="mandatory"/>  
</model>
```