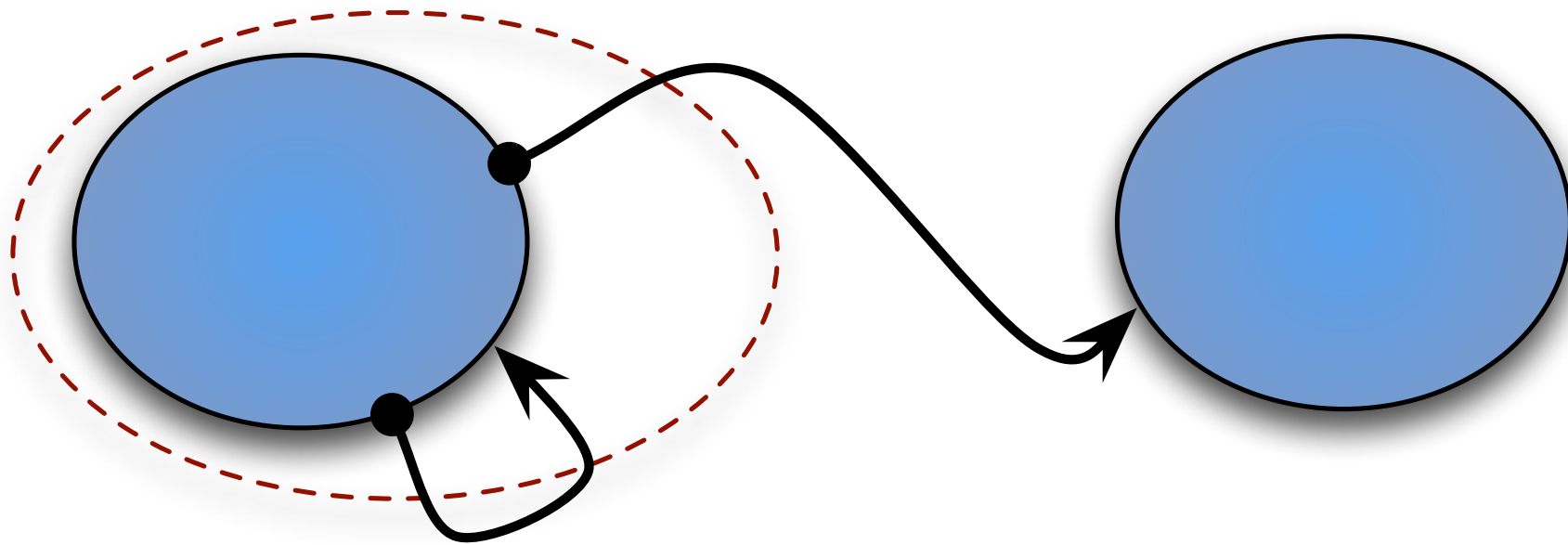


Sequential Ensembles



```
tis_ensemble = SequentialEnsemble([  
    AllInXEnsemble(A) & LengthEnsemble(1),  
    AllOutXEnsemble(A | B) & PartOutXEnsemble(interface),  
    AllInXEnsemble(A | B) & LengthEnsemble(1)  
])
```

Automatically get `can_append`, `can_prepend` and `split`

Many Ensembles

```
ens_A1 = paths.TISEnsemble(A, B, interface_A1)
ens_A2 = paths.TISEnsemble(A, B, interface_A2)
ens_A3 = paths.TISEnsemble(A, B, interface_A3)
ens_B1 = paths.TISEnsemble(B, A, interface_B1)
ens_B2 = paths.TISEnsemble(B, A, interface_B2)
ens_B3 = paths.TISEnsemble(B, A, interface_B3)
```

- This is tedious! (Realistic: 8 states, 6 interfaces each!)
- Analysis requires that we organize these into groups
- Each group is a `Transition`; all transitions are in a single `TransitionNetwork`