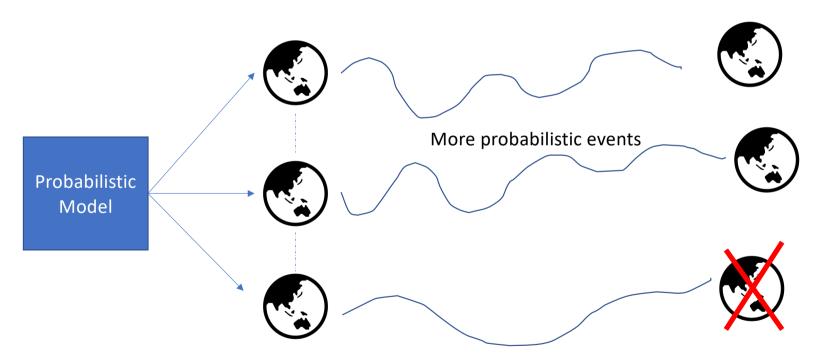
Simulation

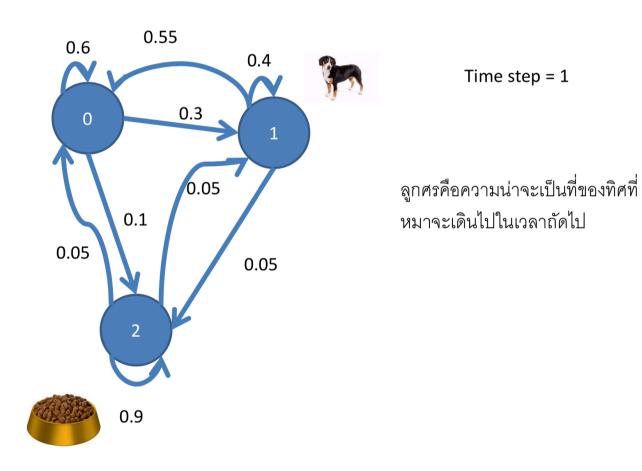
Probability

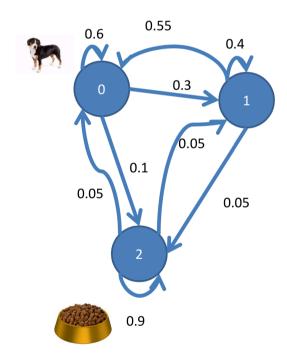
- How likely for an event to occur
 - #Event/#Total outcomes
- Many events in our world can be viewed as a probabilistic model

Simulation

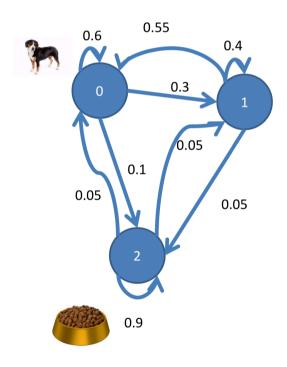
• Try out different views of the world to study the event



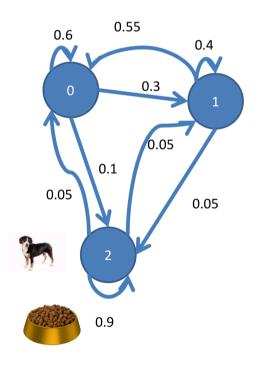




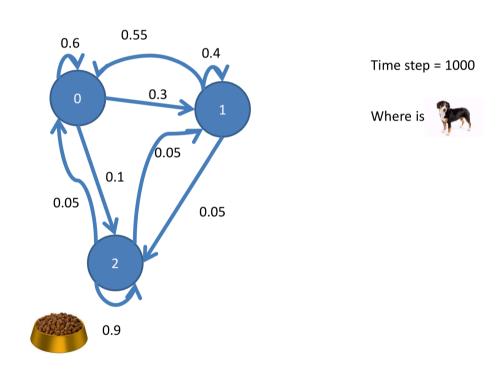
Time step = 2

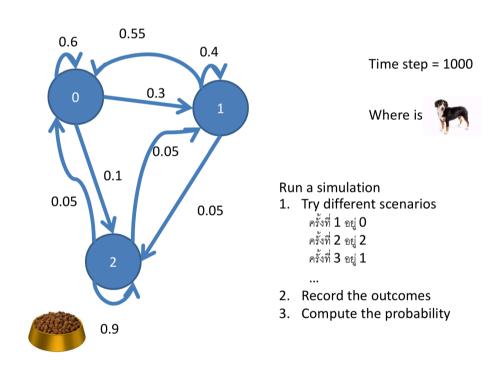


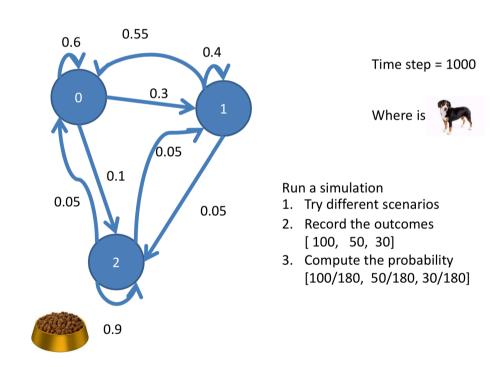
Time step = 3

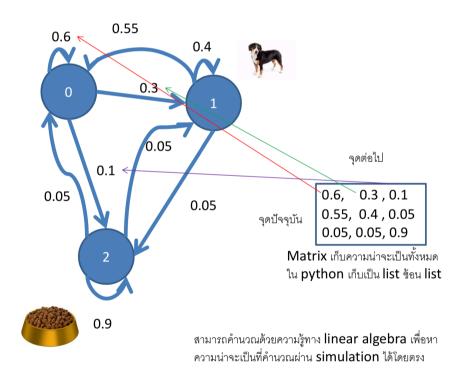


Time step = 4









What is simulation used for?



ทำไรได้?



- ออกแบบ **network** ให้ใช้ทรัพยากรได้อย่างเหมาะสม
 - ทฤษฏีเบื้องหลังพวก file sharing file streaming เช่น
 bittorrent
- โมเดลปรากฏการณ์ทางฟิสิกส์ (โมเลกุล, การไหล) และทางชีวะ
- โมเดลการจราจร
- Algorithm Page Rank ของ Google ในการ search