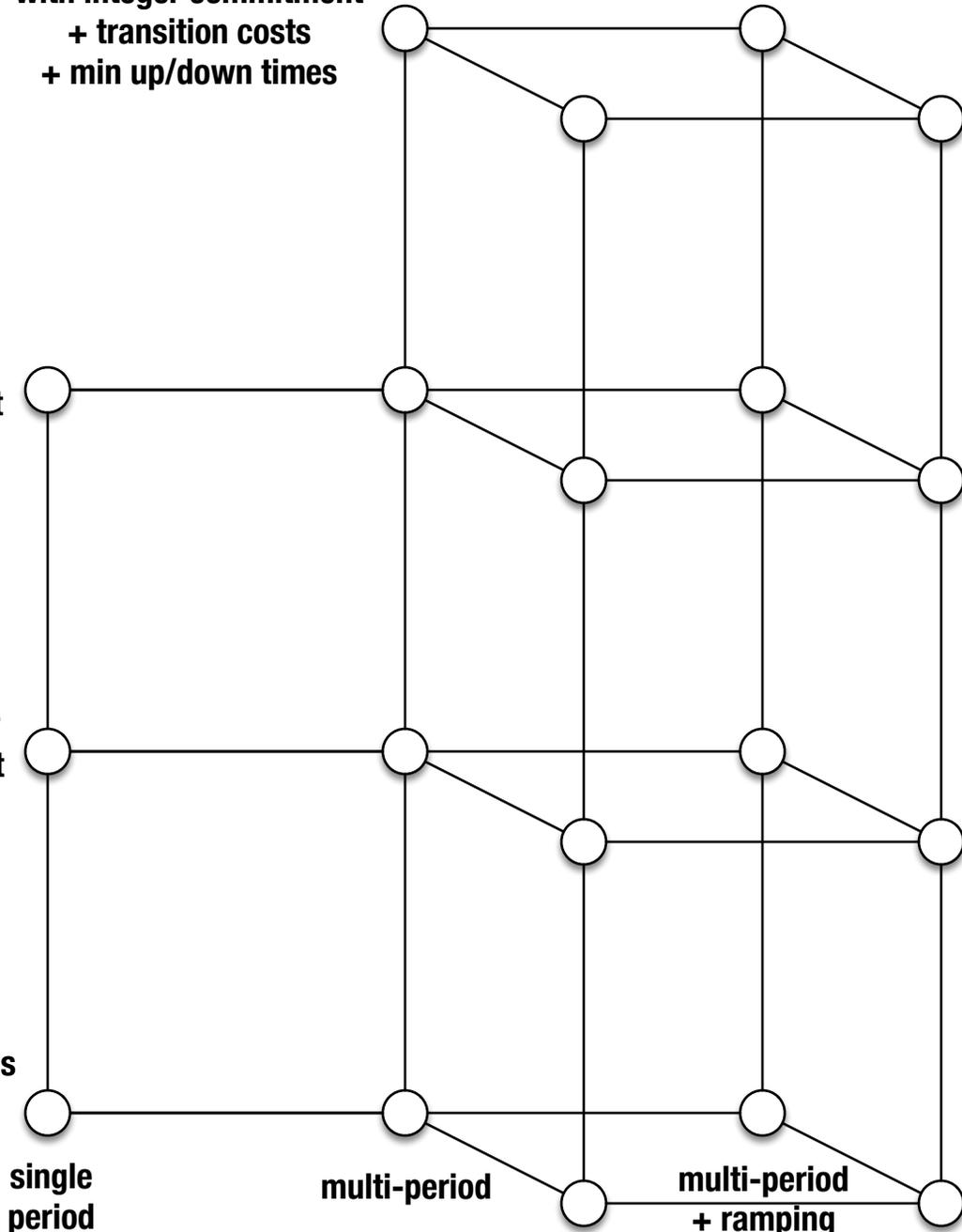


**with integer commitment
+ transition costs
+ min up/down times**

**with integer commitment
+ transition costs**

with integer commitment

continuous dispatch



single period

multi-period

**multi-period
+ ramping**

**multi-period
+ storage**

**multi-period
+ ramping
+ storage**