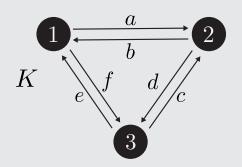
1. initialize a 3-vertex graph K at equilibrium



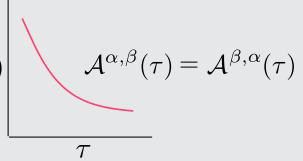
randomly sample parameters for K such that:

$$\tilde{A}(C) = \ln\left(ade/bfc\right) = 0$$

calculate the Steinberg signature: $\left|\mathcal{A}^{lpha,eta}(au)
ight|$

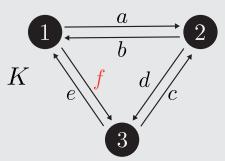
$$\mathcal{A}^{lpha,eta}(au)$$

at equilibrium: $\mathcal{I}^{\alpha,\beta}(G)=0$





2. increase a single parameter from its equilibrium value





new f = f*1.01

$$\tilde{A}(C) = \ln\left(ade/bfc\right) \neq 0$$

 $ilde{A}(C) = \ln{(ade/bfc)}
eq 0$ away from equilibrium: $\mathcal{I}^{lpha,eta}(G)$ non-zero

4. plot the Steinberg signature against the cycle affinity

