## Assumptions:

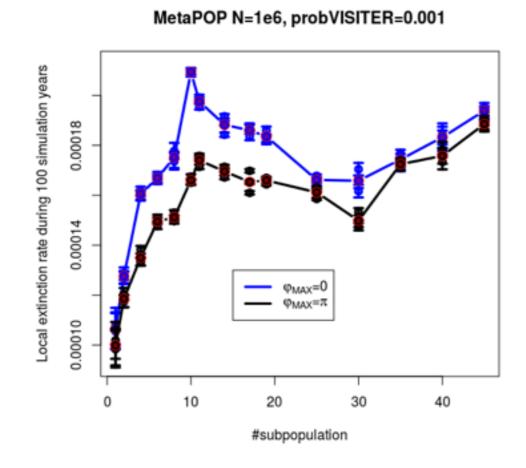
- no environmental forcing
- total population of constant size
- sub-populations of similar sizes

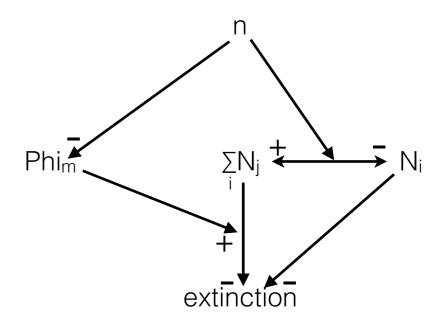
Goal: understanding the effect of fragmentation (n) on local extinction

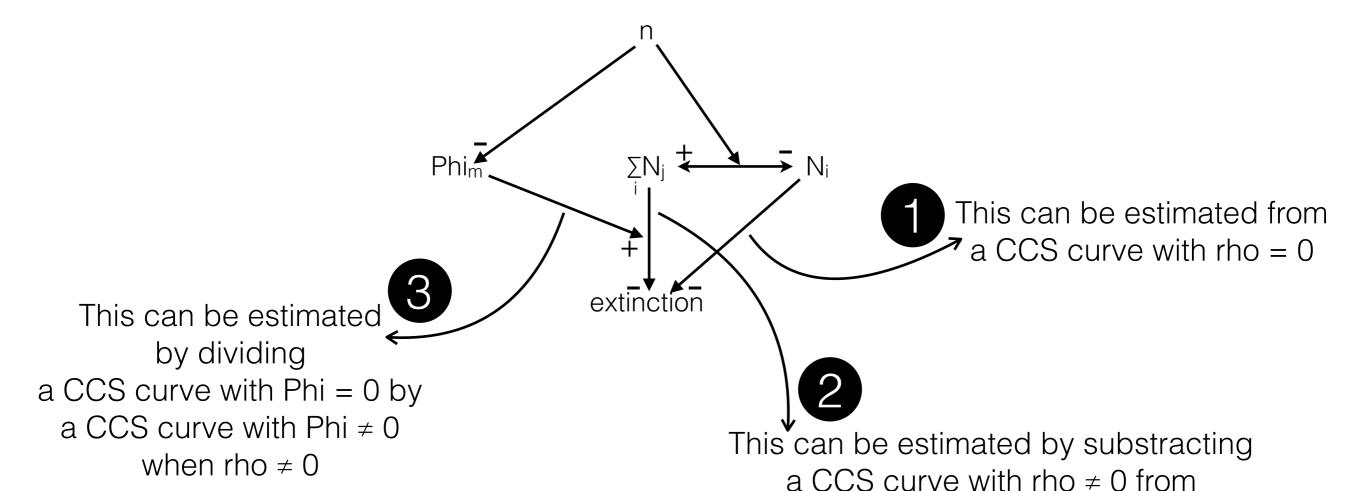
Method: playing with coupling rho and synchrony Phi

Simulation results:

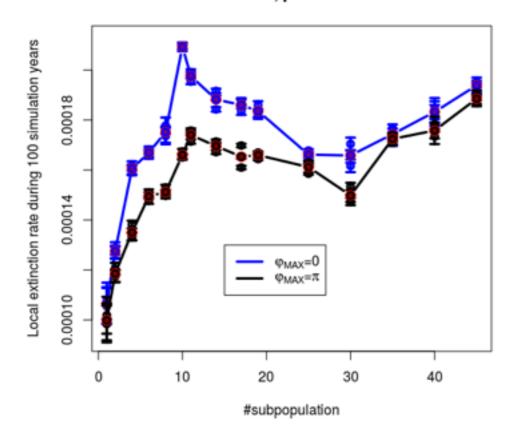
Conceptual mechanism:







## MetaPOP N=1e6, probVISITER=0.001



Then, the blue curve should be equal to the sum of curves 1 & 2...

a CCS curve with rho = 0

when Phi = 0

...and the red curve should be equal to the sum of curve 1 and the product of curves 2 and 3