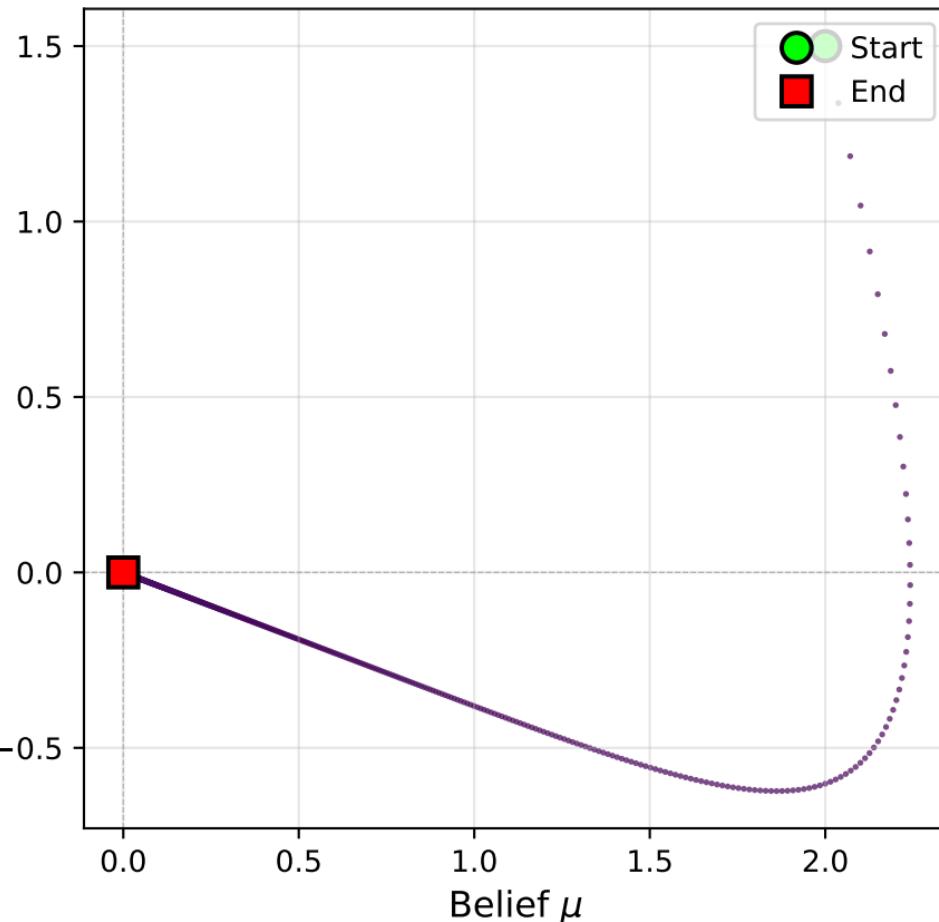


(a) Overdamped:  $\gamma > 2\sqrt{KM}$

Momentum  $\pi_\mu$



(b) Underdamped:  $\gamma = 0$  (Hamiltonian)

Momentum  $\pi_\mu$

