


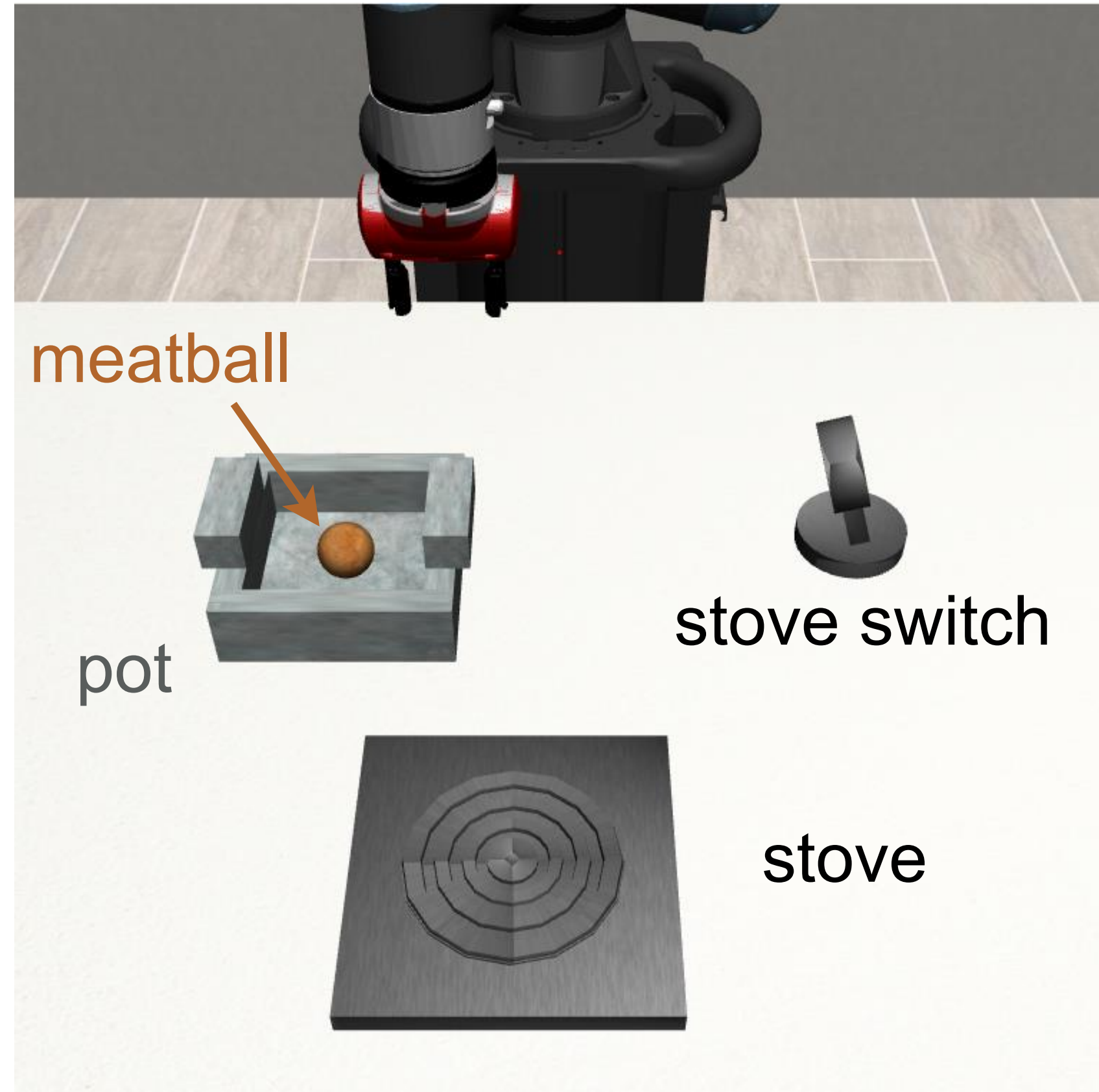


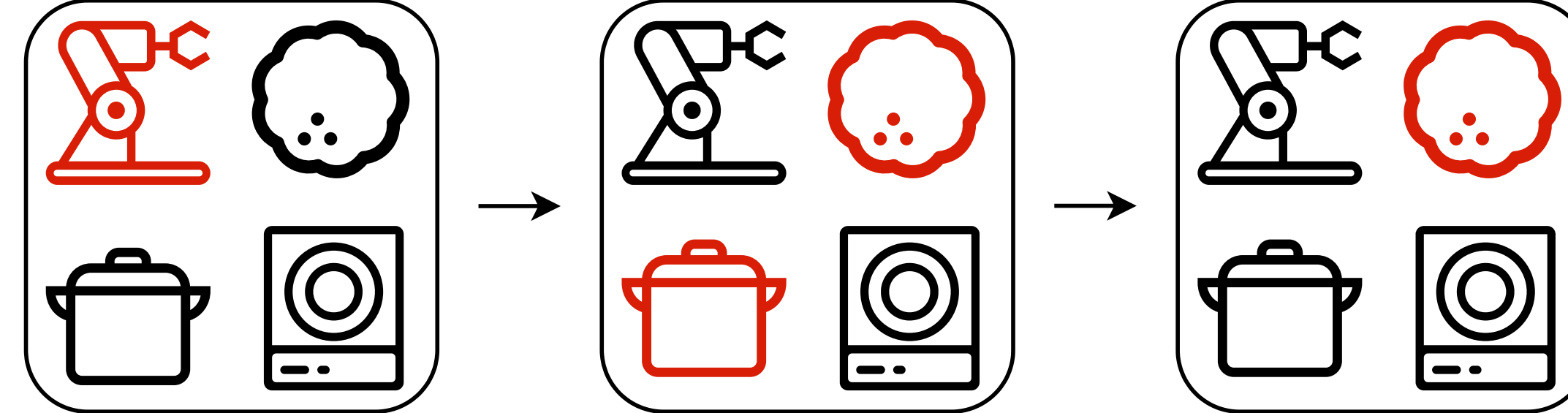
the task requires turning on the stove  to cook the meatball  in the pot 



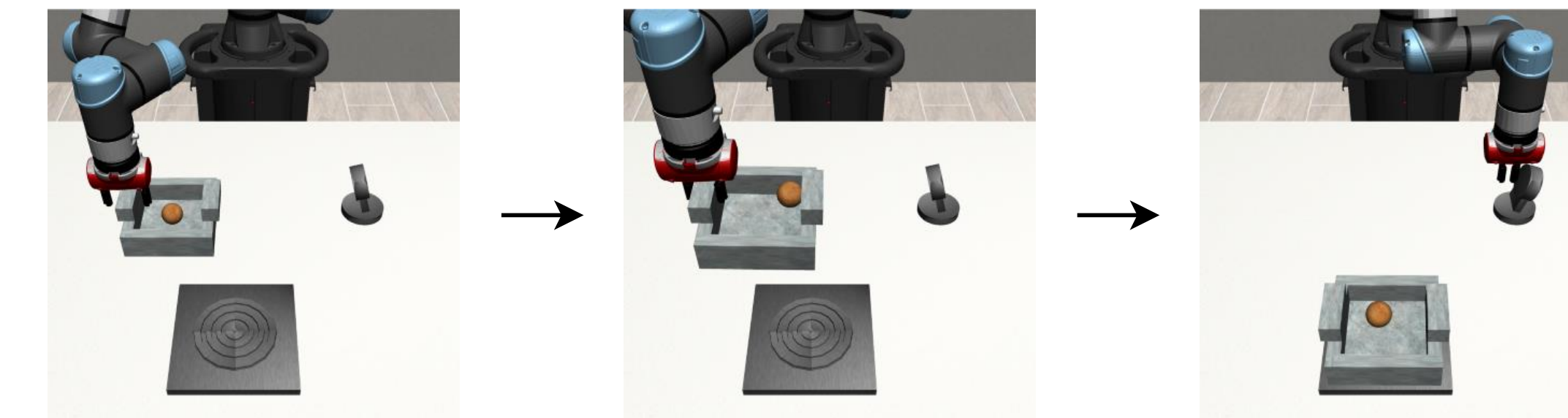
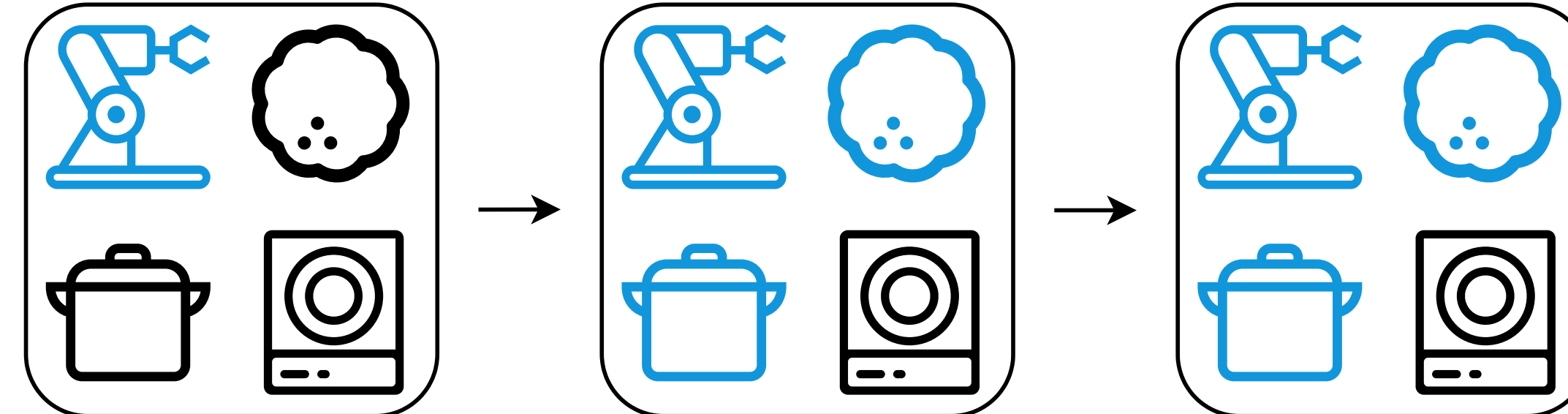
behaviors of different agents at different learning stages



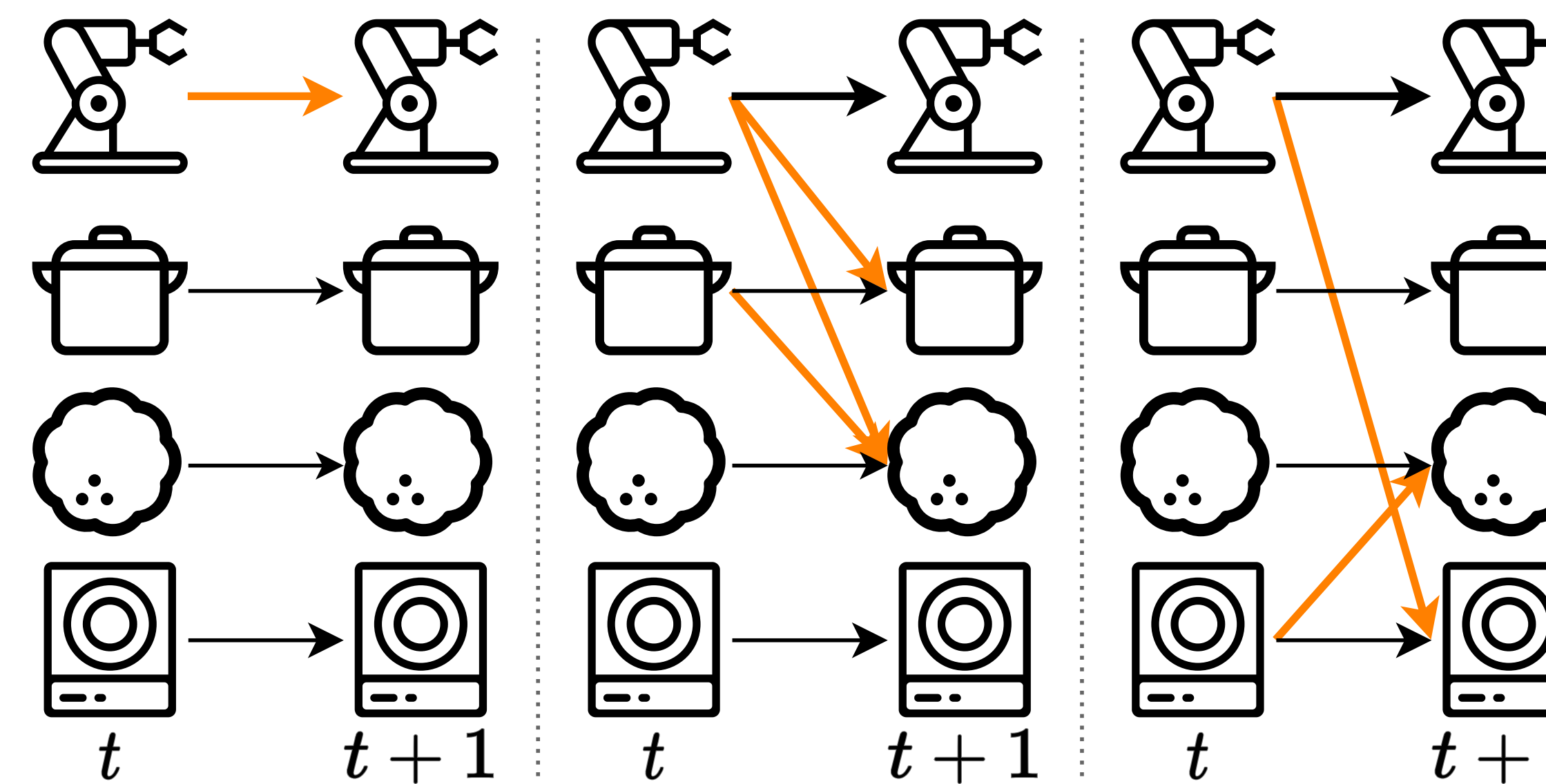
Curiosity: interested in **high prediction errors** in entity movements



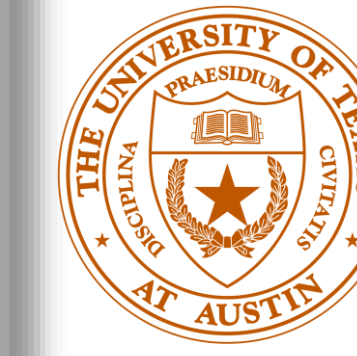
Empowerment: interested in maximizing the **action's influence on environment entities**



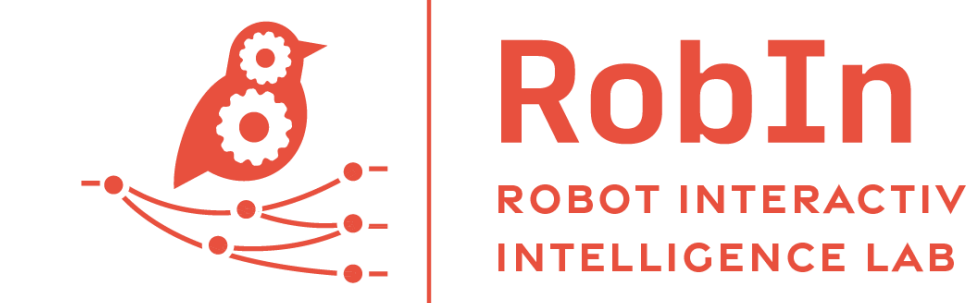
ELDEN (ours): interested in **novel local dependencies** between entities



ELDEN: Exploration via Local Dependencies



Zizhao Wang*, Jiaheng Hu*, Peter Stone+, Roberto Martin-Martín+



Sony AI



ELDEN makes RL exploration efficient by reasoning about **local dependencies** between objects.

