

State (observation)

■ 11 states

- absolute Y distance

9. $| \text{agent } Y - \text{coin } Y |$

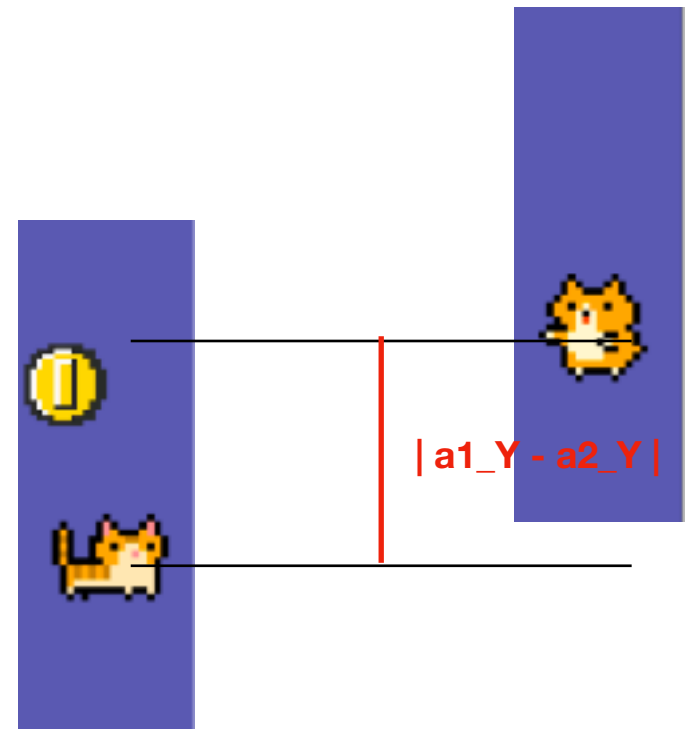
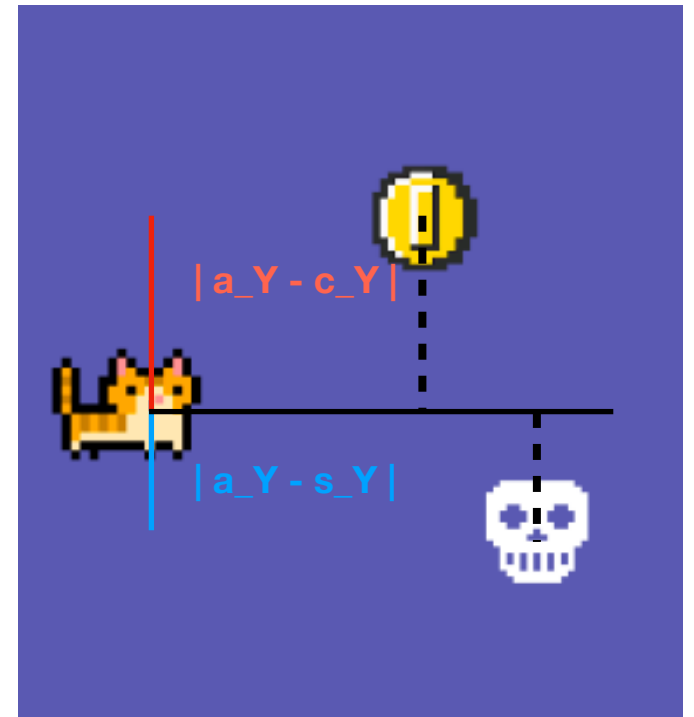
non-negative value of (agent Y - coin Y)

10. $| \text{agent } Y - \text{skull } Y |$

non-negative value of (agent Y - skull Y)

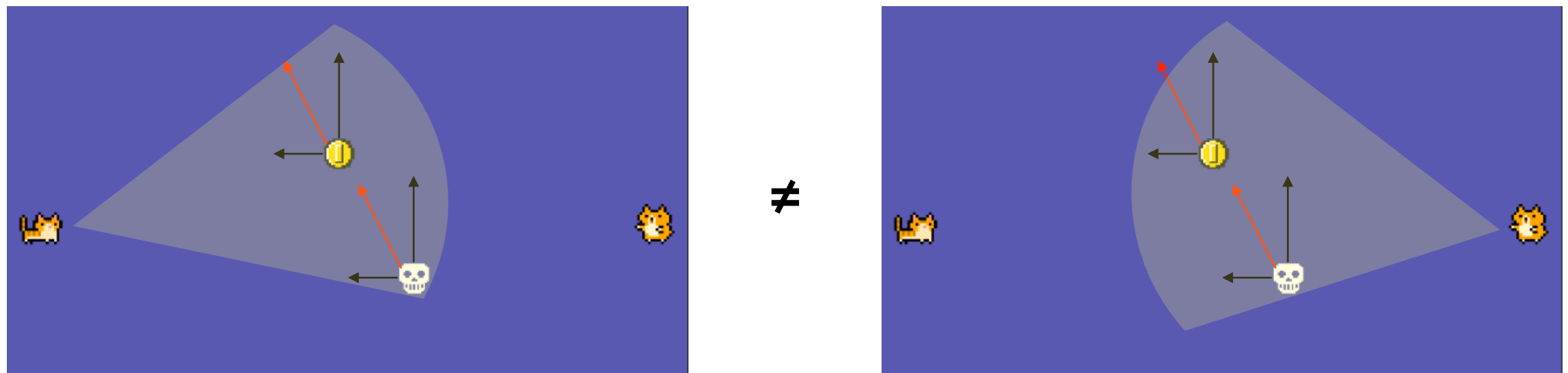
11. $| \text{agent1 } Y - \text{agent2 } Y |$

non-negative value of (agent1 Y - agent2 Y)



State (observation)

- adversarial environment problem
 - interpretation of observation



do we need **two** models?