**Describe A2C(Advantage Actor-Critic) and A3C(Asynchronous Advantage Actor-Critic)**

2 methods above help to improve the efficiency and effectiveness of training agents for making decisions in complex environments.

**A2C:**

* **Goal:** Improve decisions making by 2 factors(Actor-Critic)
* **Actor:** Selects actions and learns to improve the policy
* **Critic:** Evaluates the value of actions and learns to improve the value function
* **Key idea:** Actor and Critic are trained simultaneously, and the Actor's policy is updated

**A3C:**

* **Goal:** Improve decisions making by 3 factors(Actor-Critic-Asynchronous)
  + The role of Actor and Critic are the same as A2C
* **Key idea:** Multiple agents are trained asynchronously(parallel), and the Actor's policy is updated