

3rd AI and Games

Summer School Game AI Jam:

- CHANGE -
Main Menu

Intent and Act

Escort Human

Win, get cake?

TeamAI Dungeon

Quit

Credits:

LJ Arendse, Christian Cecconi, Anna Dollbo, Vladyslav Ieliashevskyi, and Björn P Mattsson.

CHANGE

Team Members

- LJ Arendse (@LJArendse) 🇿🇦
- Christian Cecconi (@ChristianCecconi) 🇮🇹
- Anna Dollbo (@dollbo) 🇸🇪
- Björn P Mattsson (@Plankton555) 🇸🇪
- Vladyslav Ieliashevskyi (@vieliashevskyi) 🇺🇦

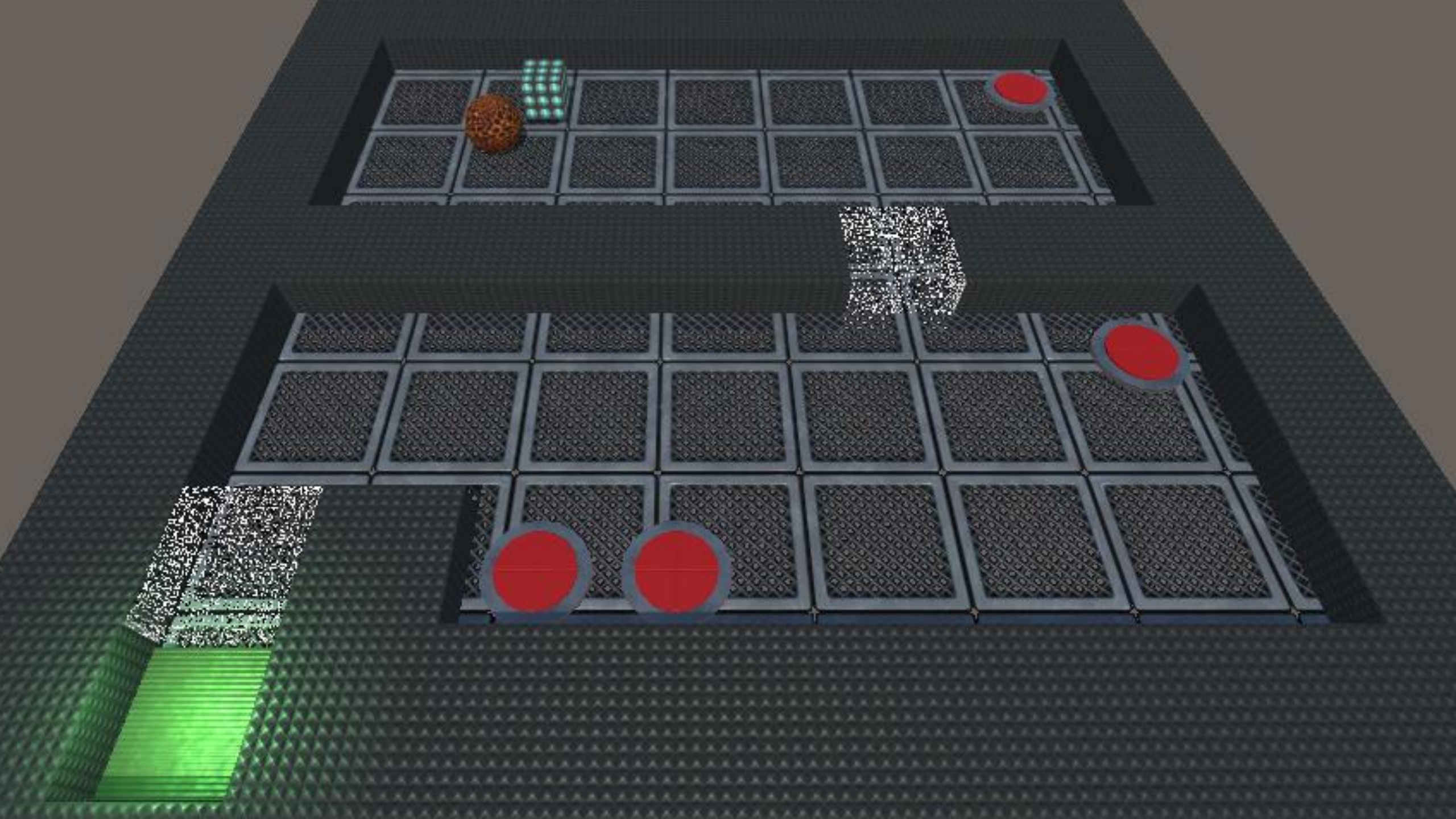
What is CHANGE?

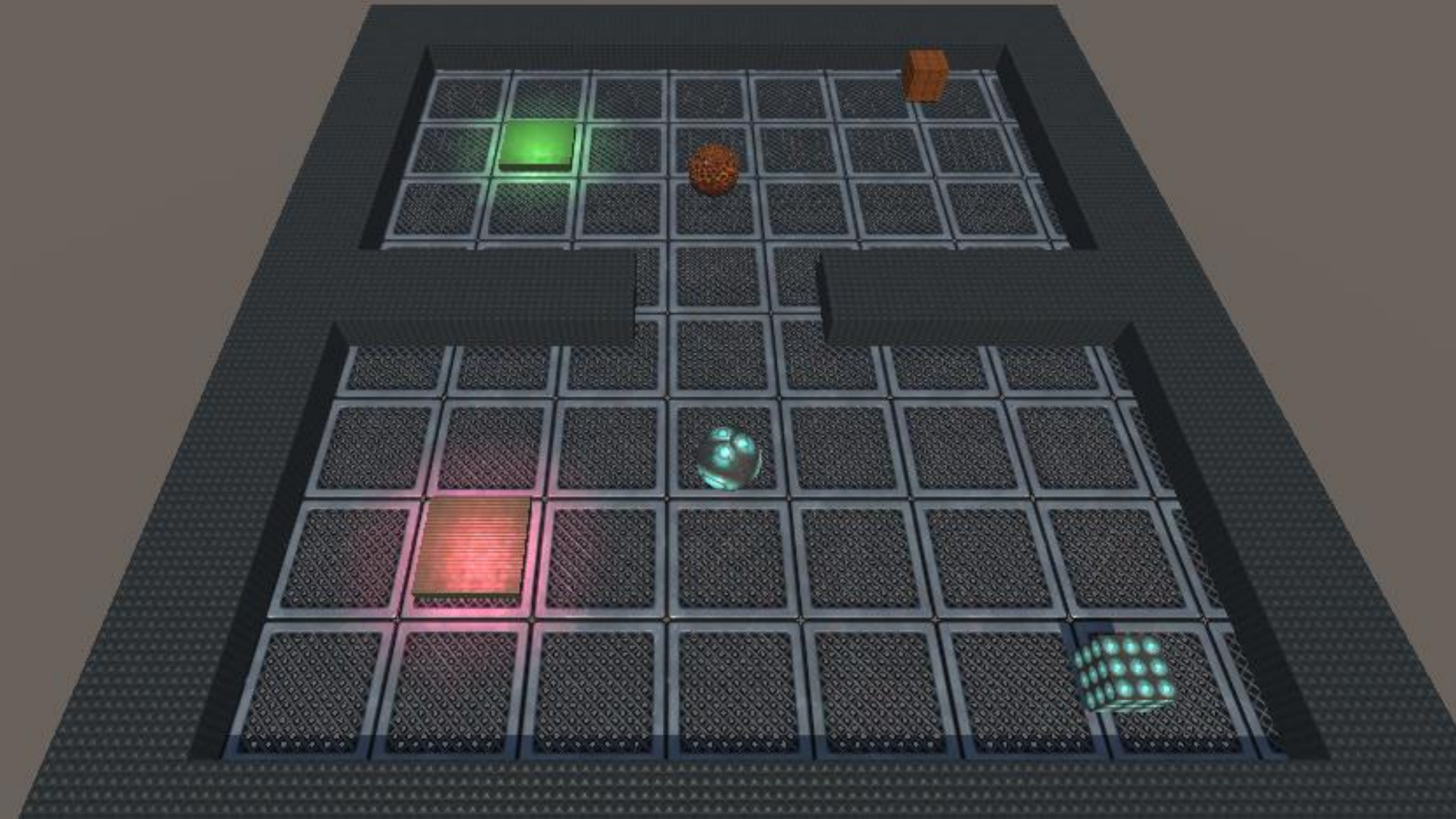
Collaborative Human AI NPC Game Environment - is a testbed for development of Human-AI collaboration inside sandboxed game environment. Each of the presented environments enforces dependency on the AI-companion agent. In other words, the human needs the help of the AI agent to proceed. Furthermore, each problem solving collaborative game environment has:



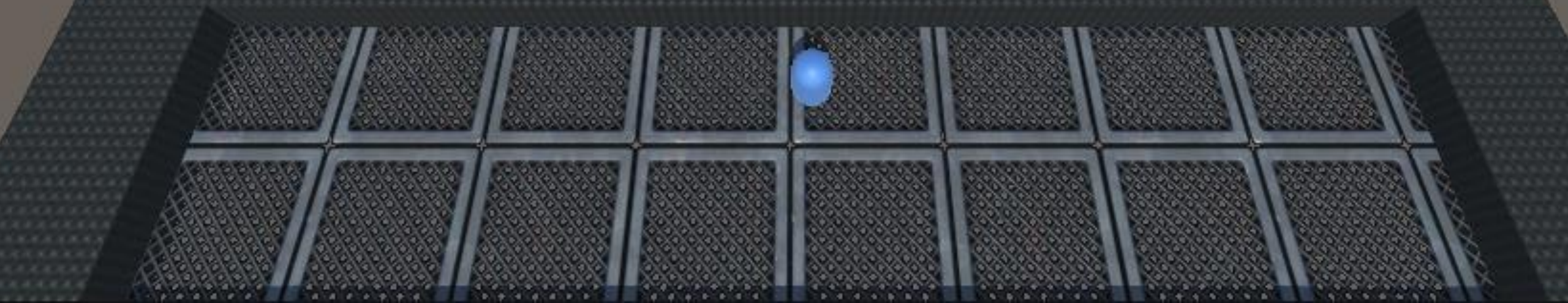
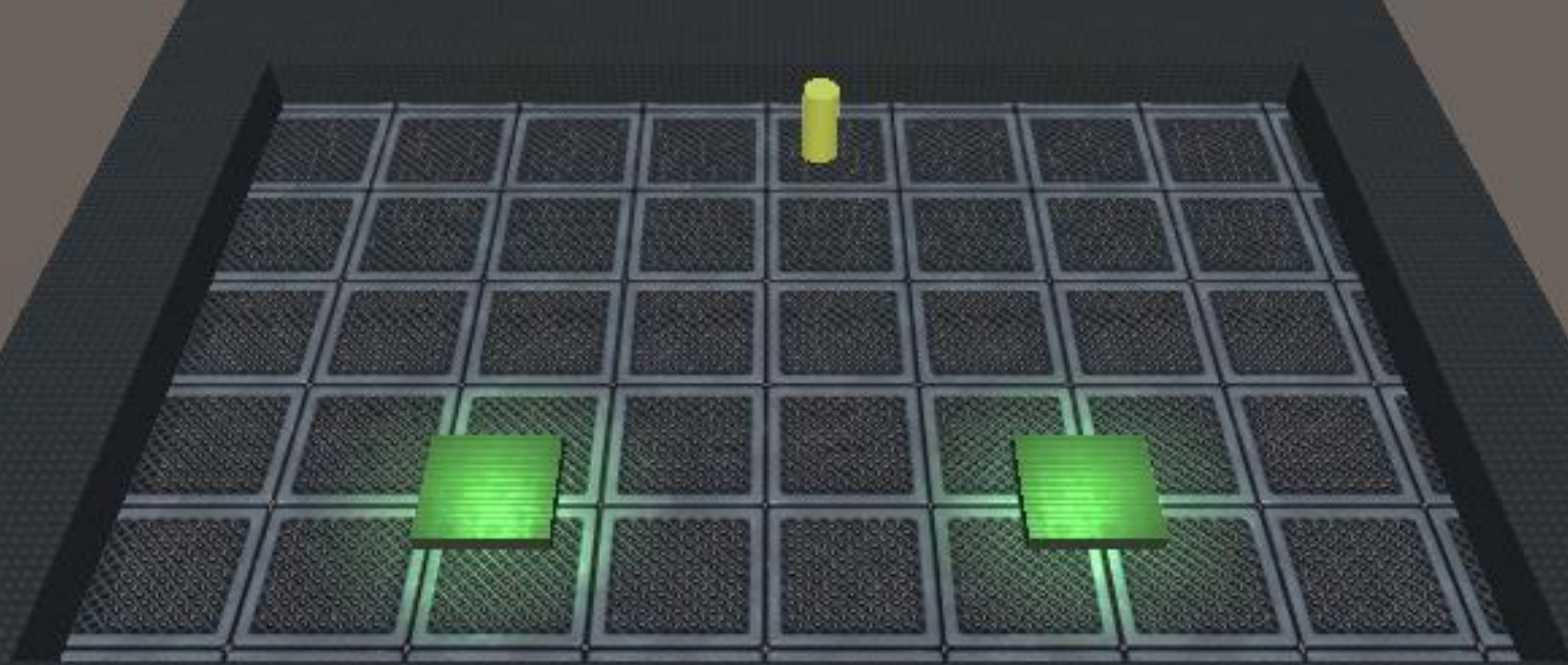






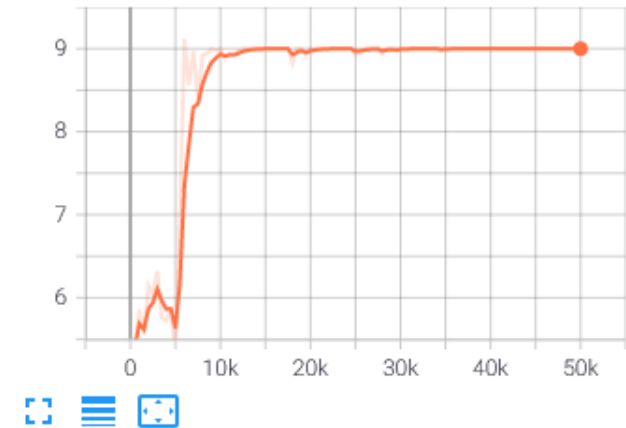






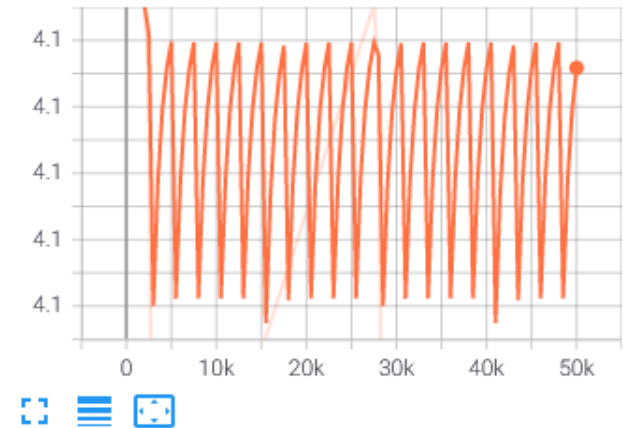
Cumulative Reward

tag: Environment/Cumulative Reward



Episode Length

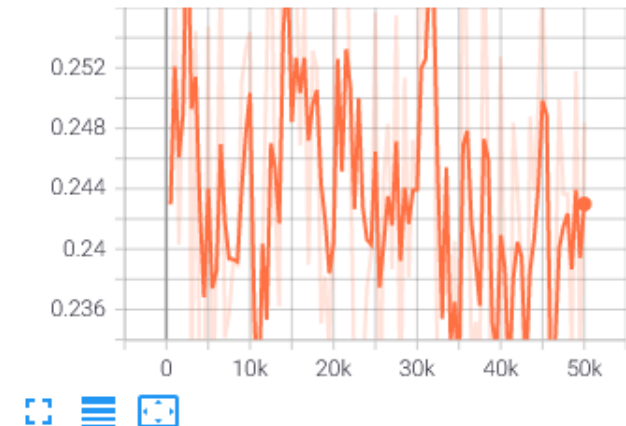
tag: Environment/Episode Length



Losses

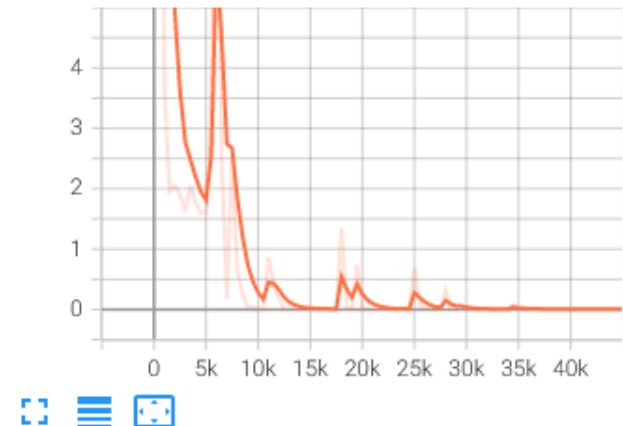
Policy Loss

tag: Losses/Policy Loss

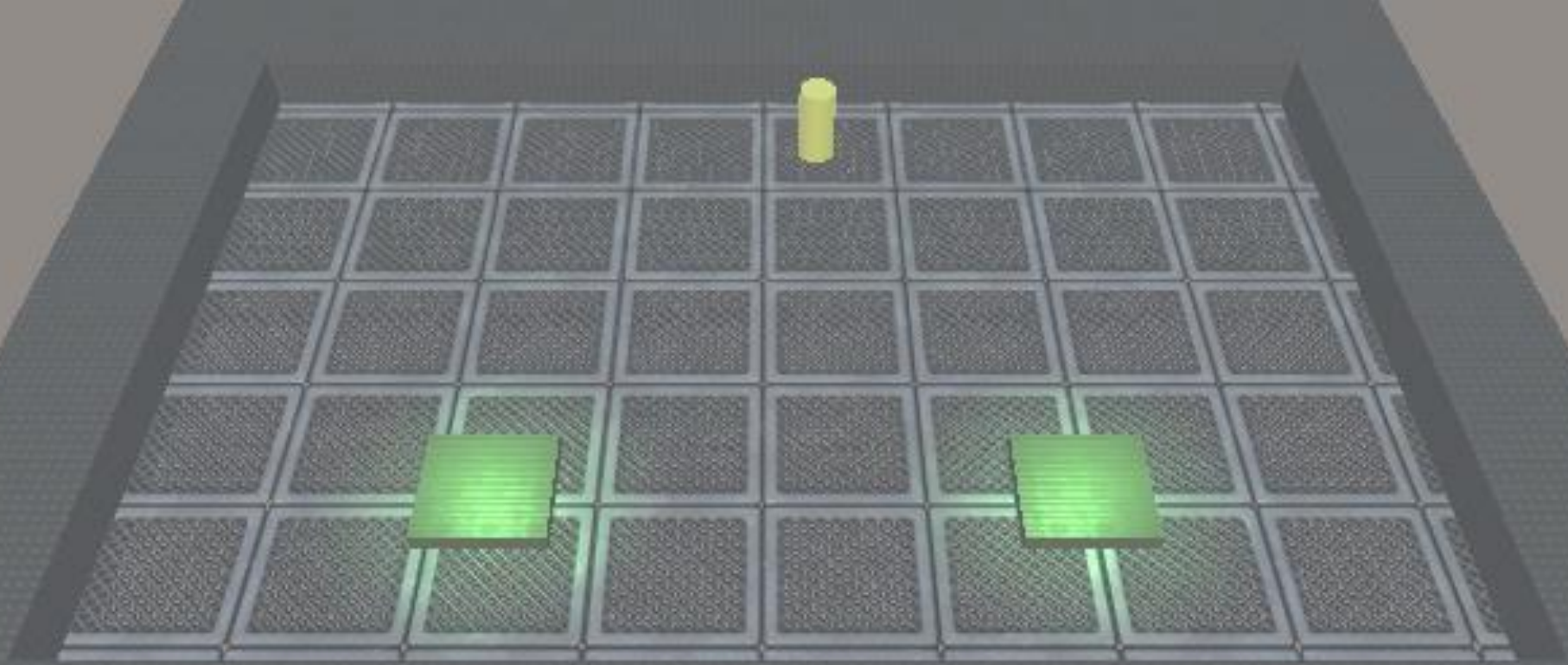


Value Loss

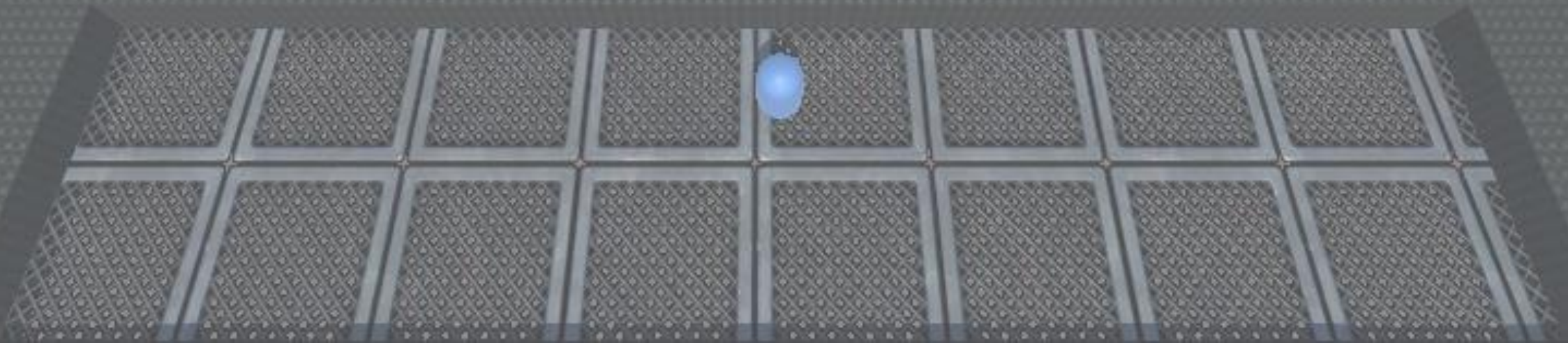
tag: Losses/Value Loss



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[INFO]	IntentPredictingAgent.	Step:	1000.	Time Elapsed:	21.775 s.	Mean Reward:	5.860.	Std of Reward:	3.047.	Training.
[INFO]	IntentPredictingAgent.	Step:	1500.	Time Elapsed:	27.668 s.	Mean Reward:	5.557.	Std of Reward:	3.163.	Training.
[INFO]	IntentPredictingAgent.	Step:	2000.	Time Elapsed:	33.480 s.	Mean Reward:	6.351.	Std of Reward:	2.913.	Training.
[INFO]	IntentPredictingAgent.	Step:	2500.	Time Elapsed:	39.422 s.	Mean Reward:	6.039.	Std of Reward:	2.898.	Training.
[INFO]	IntentPredictingAgent.	Step:	3000.	Time Elapsed:	45.320 s.	Mean Reward:	6.328.	Std of Reward:	2.905.	Training.
[INFO]	IntentPredictingAgent.	Step:	3500.	Time Elapsed:	51.283 s.	Mean Reward:	5.757.	Std of Reward:	2.973.	Training.
[INFO]	IntentPredictingAgent.	Step:	4000.	Time Elapsed:	57.212 s.	Mean Reward:	5.723.	Std of Reward:	2.822.	Training.
[INFO]	IntentPredictingAgent.	Step:	4500.	Time Elapsed:	63.030 s.	Mean Reward:	5.875.	Std of Reward:	2.879.	Training.
[INFO]	IntentPredictingAgent.	Step:	5000.	Time Elapsed:	68.919 s.	Mean Reward:	5.289.	Std of Reward:	2.844.	Training.
[INFO]	IntentPredictingAgent.	Step:	5500.	Time Elapsed:	74.772 s.	Mean Reward:	6.987.	Std of Reward:	2.780.	Training.
[INFO]	IntentPredictingAgent.	Step:	6000.	Time Elapsed:	80.696 s.	Mean Reward:	9.117.	Std of Reward:	3.340.	Training.
[INFO]	IntentPredictingAgent.	Step:	6500.	Time Elapsed:	86.693 s.	Mean Reward:	8.562.	Std of Reward:	1.501.	Training.
[INFO]	IntentPredictingAgent.	Step:	7000.	Time Elapsed:	92.639 s.	Mean Reward:	8.975.	Std of Reward:	0.244.	Training.
[INFO]	IntentPredictingAgent.	Step:	7500.	Time Elapsed:	98.608 s.	Mean Reward:	8.401.	Std of Reward:	2.016.	Training.
[INFO]	IntentPredictingAgent.	Step:	8000.	Time Elapsed:	104.503 s.	Mean Reward:	8.922.	Std of Reward:	0.763.	Training.
[INFO]	IntentPredictingAgent.	Step:	8500.	Time Elapsed:	110.386 s.	Mean Reward:	8.940.	Std of Reward:	0.581.	Training.
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[INFO]	IntentPredictingAgent.	Step:	9500.	Time Elapsed:	122.208 s.	Mean Reward:	8.975.	Std of Reward:	0.244.	Training.
[INFO]	IntentPredictingAgent.	Step:	10000.	Time Elapsed:	128.093 s.	Mean Reward:	8.999.	Std of Reward:	0.000.	Training.
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[INFO]	IntentPredictingAgent.	Step:	11000.	Time Elapsed:	139.763 s.	Mean Reward:	8.940.	Std of Reward:	0.581.	Training.
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[INFO]	IntentPredictingAgent.	Step:	12500.	Time Elapsed:	157.657 s.	Mean Reward:	8.999.	Std of Reward:	0.000.	Training.
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[INFO]	IntentPredictingAgent.	Step:	19500.	Time Elapsed:	246.754 s.	Mean Reward:	8.922.	Std of Reward:	0.763.	Training.
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[INFO]	IntentPredictingAgent.	Step:	21500.	Time Elapsed:	272.737 s.	Mean Reward:	8.999.	Std of Reward:	0.000.	Training.
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[INFO]	IntentPredictingAgent.	Step:	24500.	Time Elapsed:	312.027 s.	Mean Reward:	8.999.	Std of Reward:	0.000.	Training.
[INFO]	IntentPredictingAgent.	Step:	25000.	Time Elapsed:	318.597 s.	Mean Reward:	8.922.	Std of Reward:	0.763.	Training.
[INFO]	IntentPredictingAgent.	Step:	25500.	Time Elapsed:	325.105 s.	Mean Reward:	8.975.	Std of Reward:	0.244.	Training.
[INFO]	IntentPredictingAgent.	Step:	26000.	Time Elapsed:	331.692 s.	Mean Reward:	8.999.	Std of Reward:	0.000.	Training.
[INFO]	IntentPredictingAgent.	Step:	26500.	Time Elapsed:	338.243 s.	Mean Reward:	8.999.	Std of Reward:	0.000.	Training.



https://youtu.be/Ow2F_gQqLTE



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