Strategy Card Game AI Competition

Jakub Kowalski, Radosław Miernik

University of Wrocław, Poland

IEEE COG

21.08.2019

The game: draft



The game: battle



Why this competition?

- Collectible card games are interesting domain:
 - Large branching factor, multi-action turns
 - Lot of hidden information
 - Huge amount of nondeterminism
 - Yet the gameplay is still very strategical
- Game designed especially for AI playing.
- Simpler then Hearthstone, but the same set of challanges.
- stdio-based interface, supporting any programming language.
- Well defined set of rules, easy to code the simulation engine.
- Fair arena mode instead of constructed.
- Extendable cardset.
- Online testing arena supported by CodinGame.com platform.
- Based on The Elder Scrolls: Legends.

Competitions

One lane version

- Jul 2018 CodinGame Sprint Contest (24h) 742 participants
- Sep 2018 CodinGame Marathon (30 days) 2,174 participants

Two lanes version

- CEC 2019 6 entries (+2 baselines)
- COG 2019 9 entries (+2 baselines)

Prizes for this competition are sponsored by IEEE CIS.

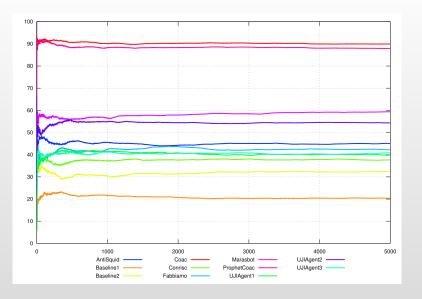
Entries

- AntiSquid, Sergiu Lucec, Python 3
- Baseline1, Python 3
- Baseline2, Python 3
- Coac, Victor Le, C++
- Conrisc, Konrad Cielecki, JavaScript
- **Fabbiamo**, *Shioda Masahiro*, C++
- Marasbot, Jakub Maras, C++
- **Prophet Coac**, Ronaldo Vieira, C++
- **UJIAgent1**, Arturo Barbosa, Diego Villabrille, Sergio Ferreras, Alejandro Juan, Daniel Delgado, Raúl Montoliu, Python 3
- UJIAgent2, Alejandro Juan, Arturo Barbosa, Diego Villabrille, Sergio Ferreras, Daniel Delgado, Raúl Montoliu, Python 3
- UJIAgent3, Raúl Montoliu, Daniel Delgado, Arturo Barbosa, Diego Villabrille, Sergio Ferreras, Alejandro Juan, Python 3

Results

- Coac, Victor Le
- Prophet Coac, Ronaldo Vieira
- Marasbot, Jakub Maras
- UJIAgent2, Alejandro Juan, Arturo Barbosa, Diego Villabrille, Sergio Ferreras, Daniel Delgado, Raúl Montoliu
- AntiSquid, Sergiu Lucec
- Fabbiamo, Shioda Masahiro
- UJIAgent3, Raúl Montoliu, Daniel Delgado, Arturo Barbosa, Diego Villabrille, Sergio Ferreras, Alejandro Juan
- UJIAgent1, Arturo Barbosa, Diego Villabrille, Sergio Ferreras, Alejandro Juan, Daniel Delgado, Raúl Montoliu
- Onrisc, Konrad Cielecki
- Baseline2
- Baseline1

Result graph





JAKUBKOWALSKI.TECH/ PROJECTS/LOCM/