



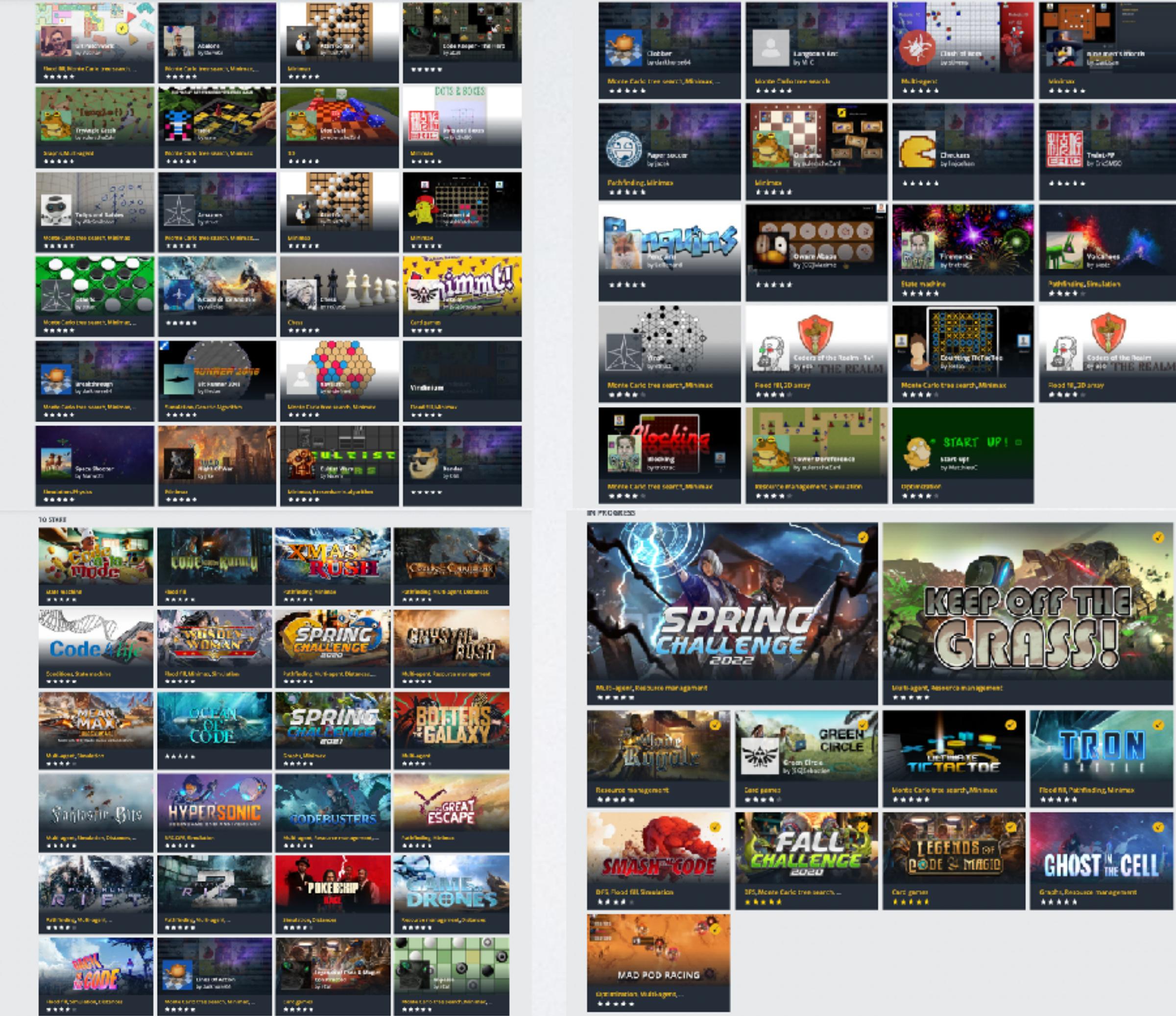
Codingame, Spring 2023 Challenge
Dmitry Dryomov

CODINGAME PLATFORM



- Including different tasks: algorithms, optimization, bots programming, speed programming, etc.
- High-quality tasks, massive participation
- Most of the popular programming languages
- An engaging way to learn classic AI and algorithms

BOT PROGRAMMING



Many tasks
Simulation visualizations
Competitions
Leagues
Gradual complexity level
N000+ participants
Well-made

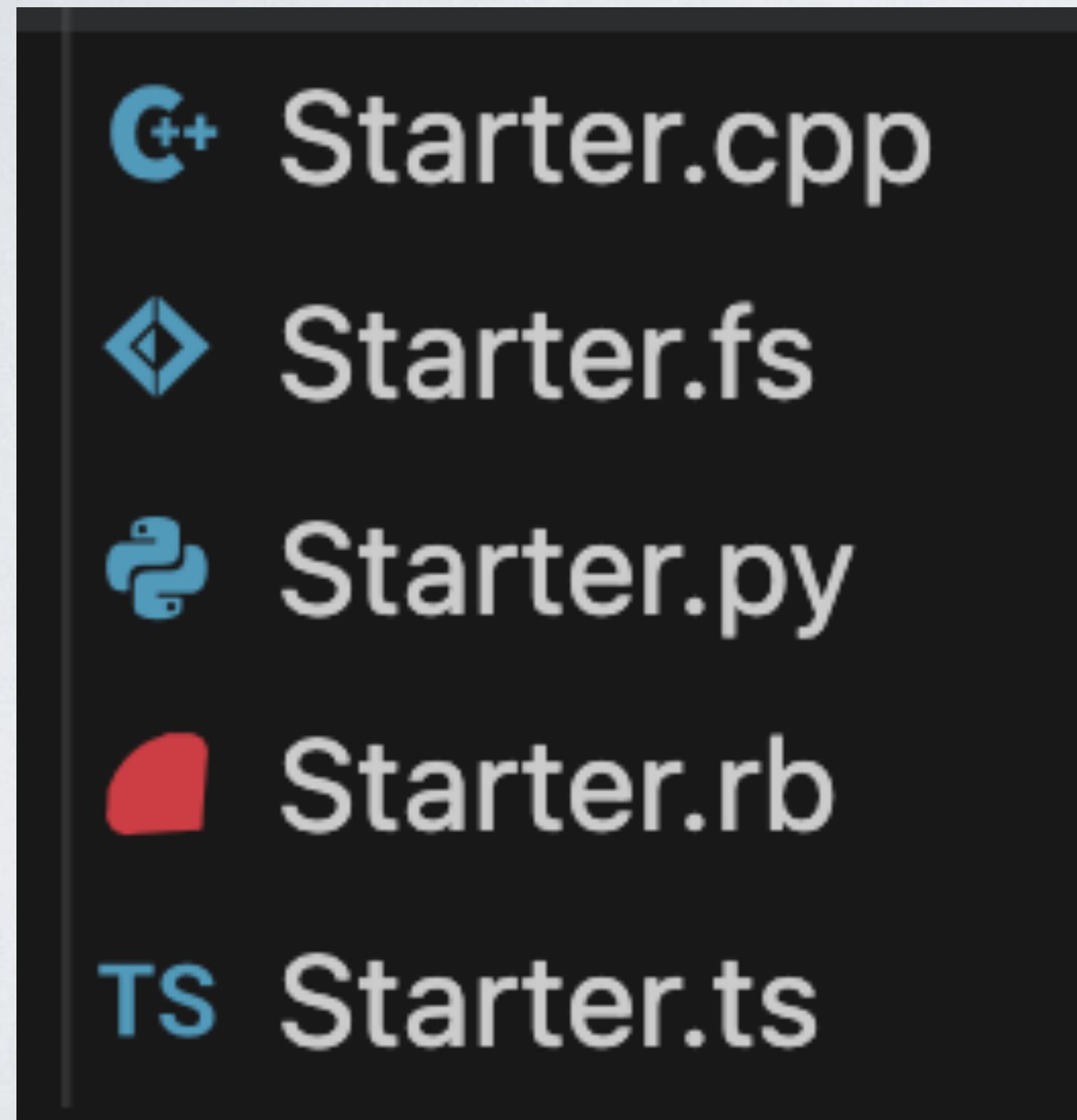
MINE YOUR CRYSTALS!



KEY FEATURES

- Resource management
- Multiple bases and units
- Indirect control
- Time-limited
- 2D hexagonal map
- 3000+ players
- 7 days left*

STARTER KIT



STARTING CONCEPTS

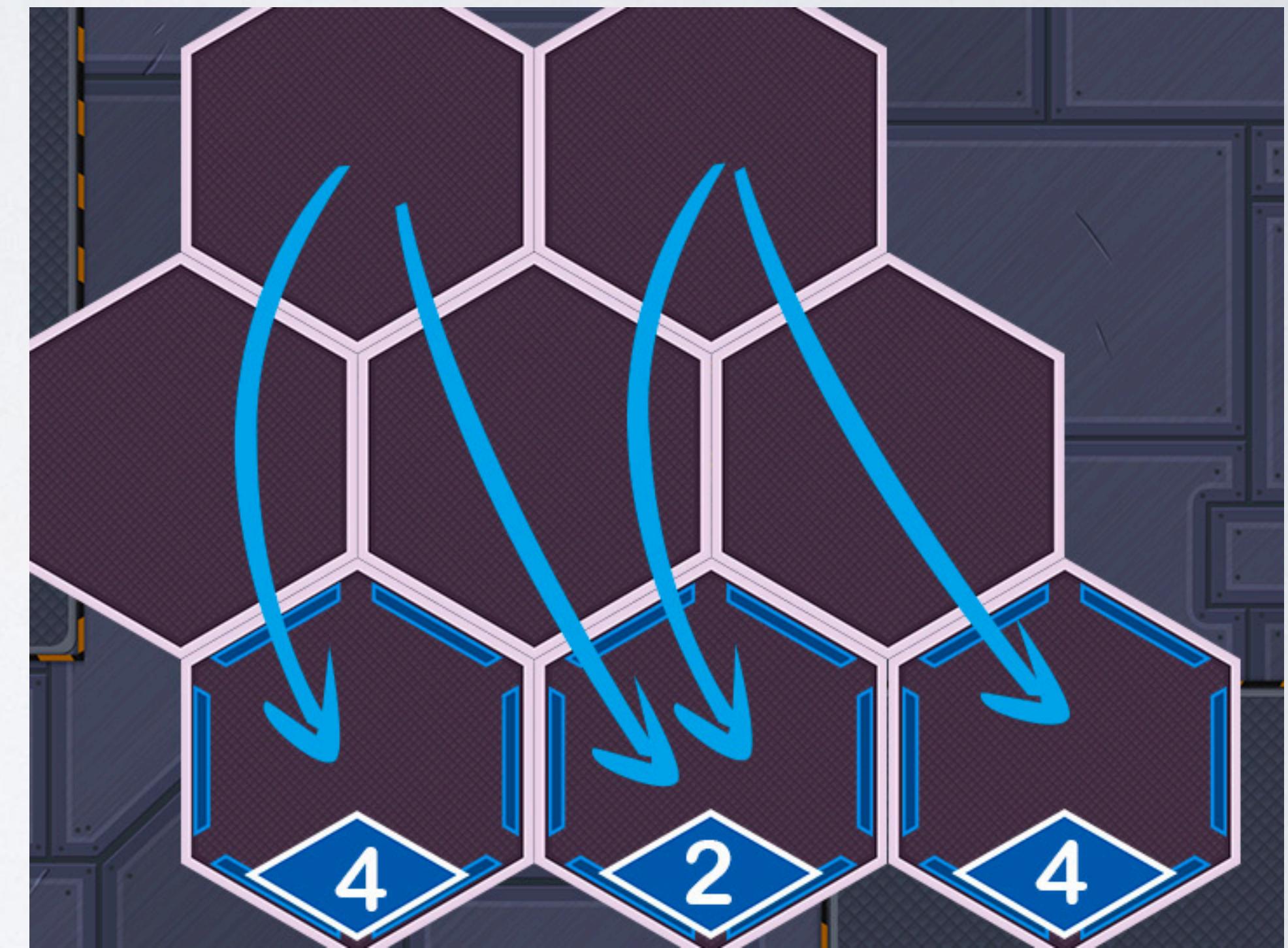
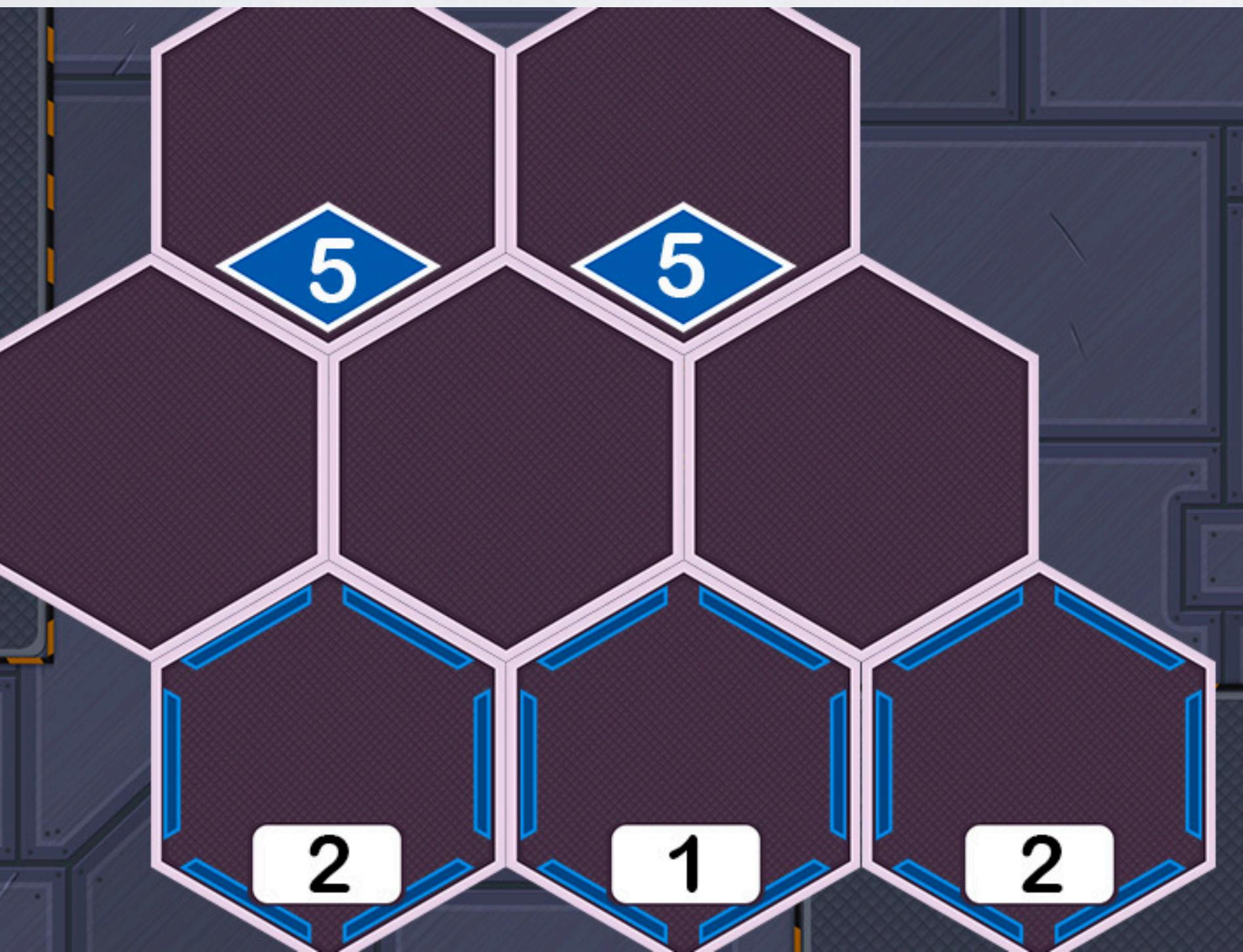
- Map (*starter kit)
- Base
- Ant
- Crystal

STRATEGY IDEAS?



INDIRECT CONTROL

- Ants
- Beacons



MORE CONCEPTS

- Chains
- Eggs



STRATEGY IDEAS?



MORE CONCEPTS

- Attack!



STRATEGY IDEAS?



BEGINNER TIPS (BRONZE)

- Start with a starter kit 😜
- One change per time! Submit often! Test in the production!
- ChatGPT / Copilot for all the boring stuff
- Debug with stderr

INTERMEDIATE TIPS (GOLD)

- Read the rules 😜
- Keep the code in the repository
- Look at replays for ideas
- ChatGPT / Copilot for all the complicated algorithmic stuff

ADVANCED TIPS (LEGEND)

- Read the game code 😜
- Parametrize algorithms and setup a local game env
- Look at Top-10 games for ideas 🧠
- You might need to migrate to faster languages*

QUESTIONS

- Good luck!
- @pypattaya <https://t.me/+3pT3dVCoFhE5OTky>

MY COMPANY

PyPattaya /

N/A

Team rank

To get your team on the leaderboard you must have at least three participants who have submitted code.

