01URROV — 2023/24

Computational Intelligence

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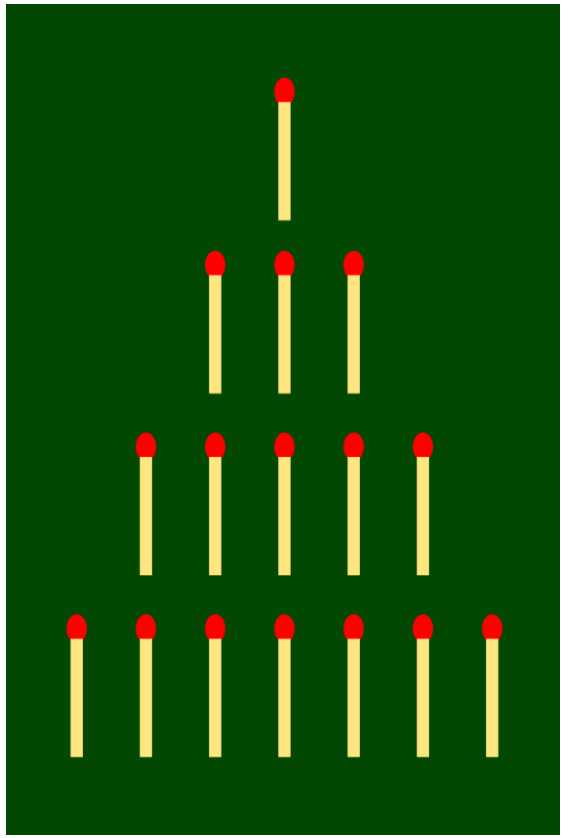
Nim

- 2 players' game
- As many rows of matches as you want
- As many matches as you want
- Each turn: take [1, *k*] elements
- You can find it on Dropbox



Nim agents

- Rule-based agent
- Nim-sum based
  - Row length in binary
  - Xor all rows
  - To win, nim sum shall always be 0

Nim agents

2) Evolved agent

- Nim-sum?
- Evolution is the answer
  - ES
    - “+”, “,” strategis
    - Required: Gaussian mutation
    - Rules = operations?

Peer review!

- Through GitHub Issues
  - Open a repository
  - Go to the tab “Issues”
  - New issue
- Objective: 2 reviews per person
  - Remember to put them in the final report
    - Both done and received

Deadline

Lab: 13/11 h23:59 AOE

Peer review: 20/11 h23:59 AOE