

01URROV — 2023/24

Computational Intelligence

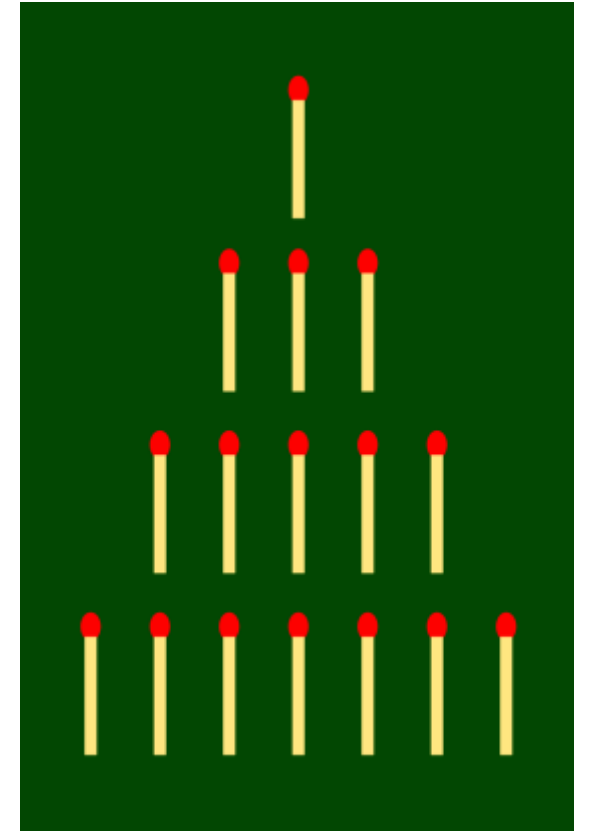
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Nim

- 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
 - “+”, “,” strategies
 - 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: 10/11 h23:59 AOE

