

# Uno with Q-learning



Project by  
Sebastian Bielfeldt (Mtr: 6400507)  
Marco Knipfer (Mtr.: 4640754)  
Nils Nover (Mtr.: 6983668)  
Roman Smit (Mtr.: 4497101)

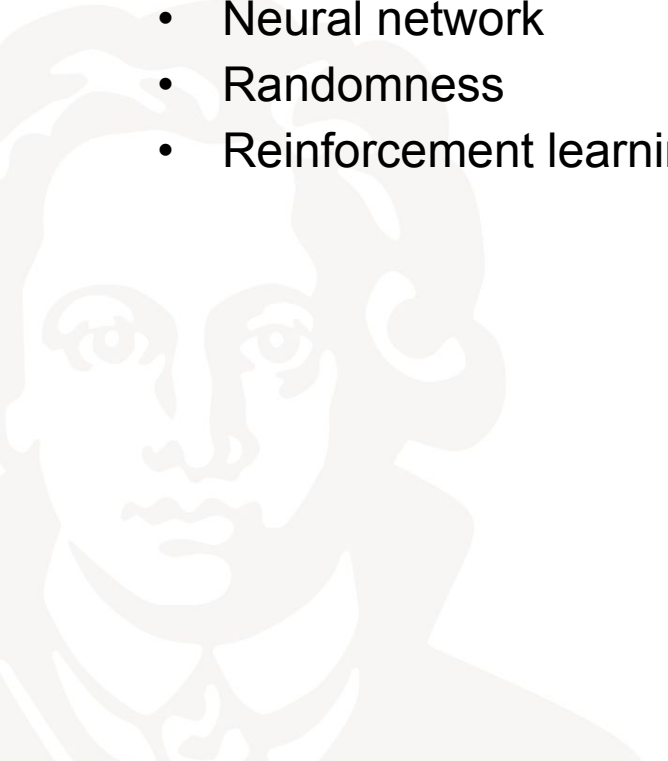


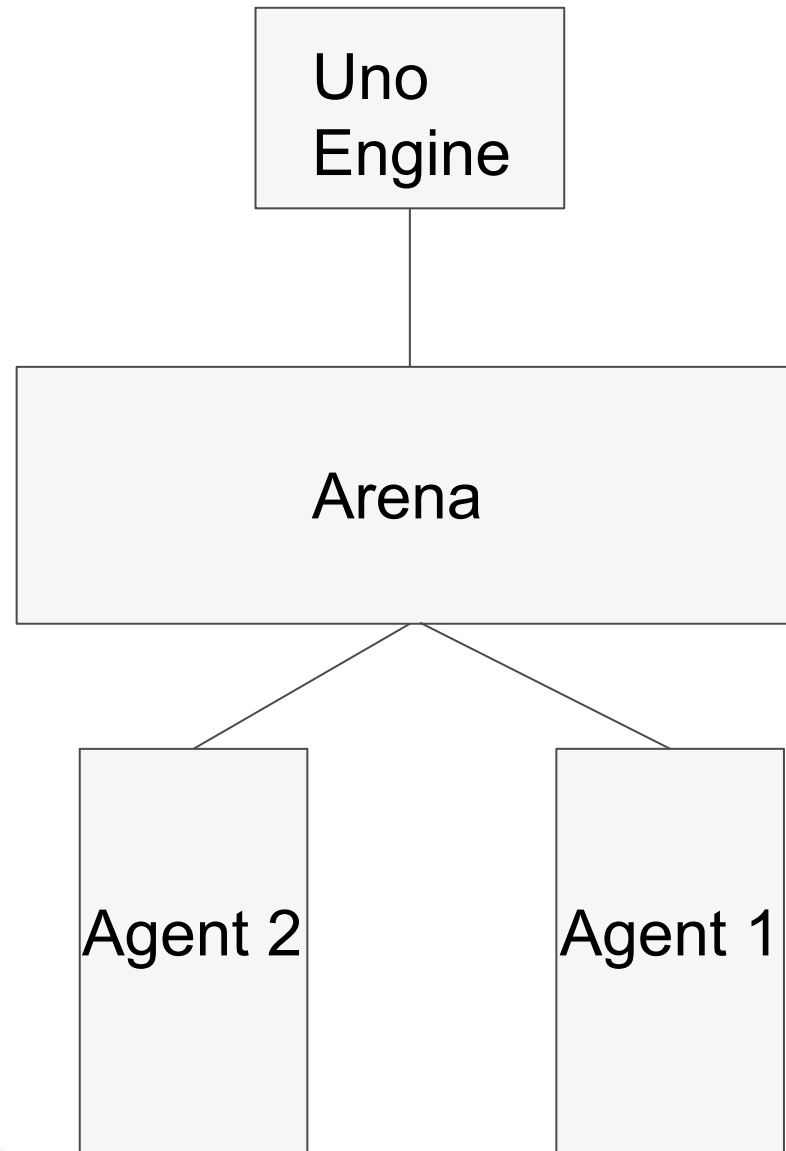
## Simplified Uno (for now)

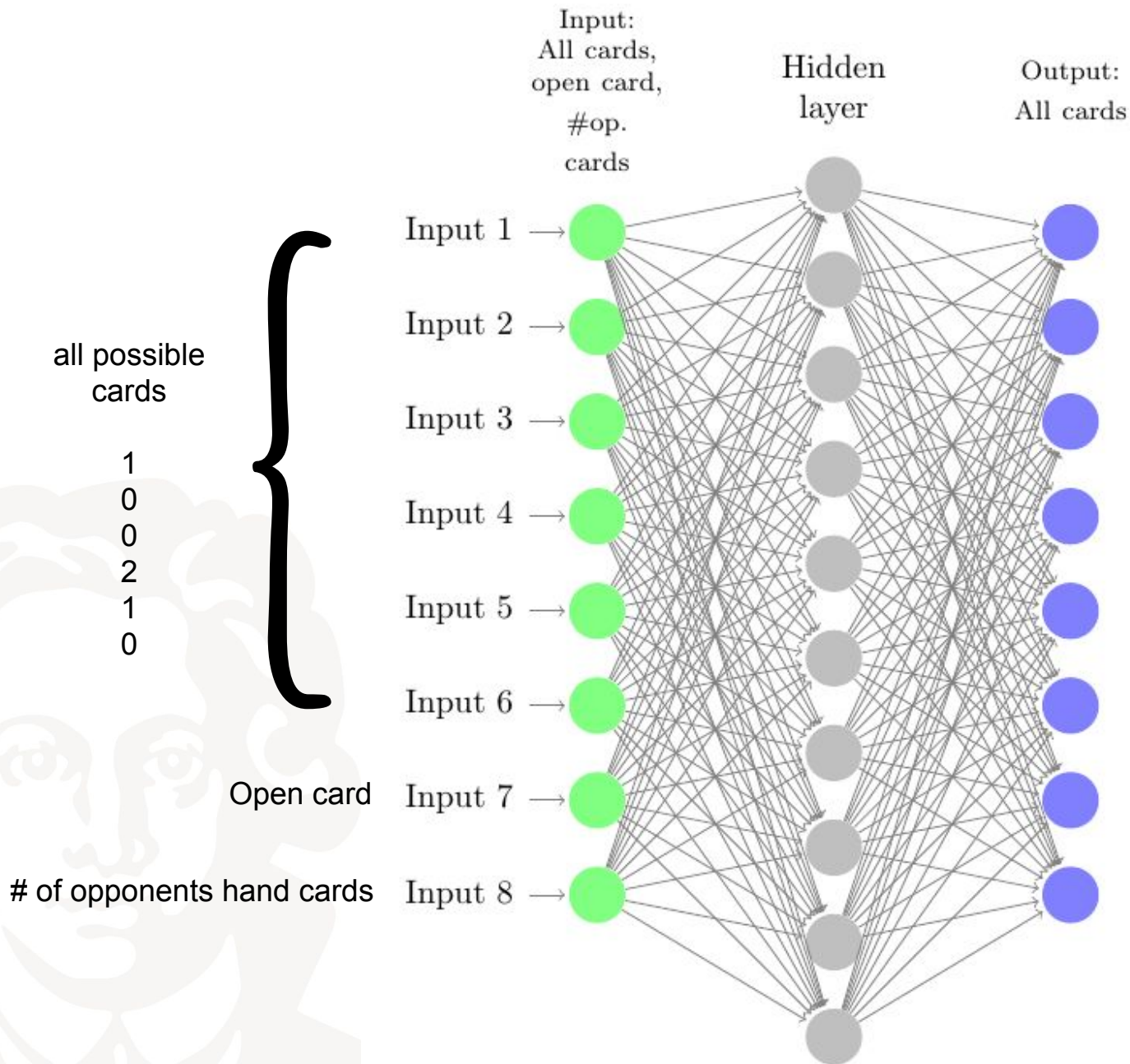
- Two players
  - 4 Colors, 10 Numbers and
- Draw 2 and Change Directions

## Perks and challenges Using Q-learning

- Set up game engine, arena, agents
- Q-table not feasible
- Neural network
- Randomness
- Reinforcement learning strategy







## Status quo and outlook on this Project

- Uno engine, arena, random agent: Working
- Simple toy example neural networks: Working
- Reinforcement agent: Not implemented



Thank you for your attention!

