

# MAC0425 - Inteligência Artificial

---



Felipe Salvatore

<https://felipessalvatore.github.io/>

Paula Moraes

<https://www.linkedin.com/in/paula-moraes-137a2ab9/>

Thiago Lira

<https://github.com/ThiagoLira>

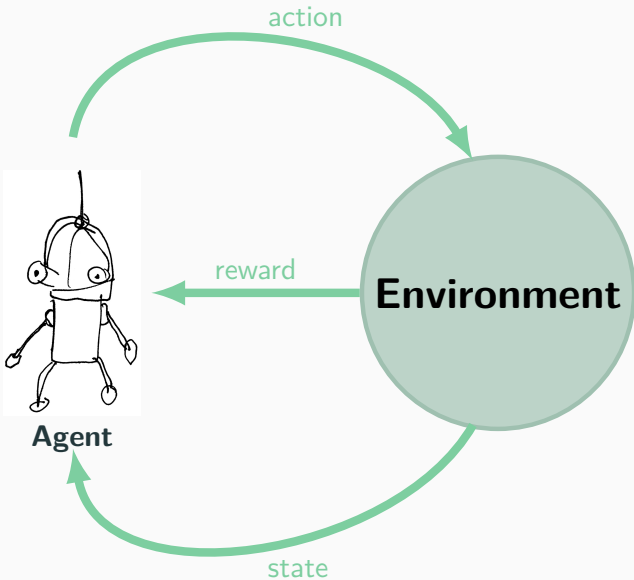
November 9, 2017

**IME-USP:** Institute of Mathematics and Statistics, University of São Paulo

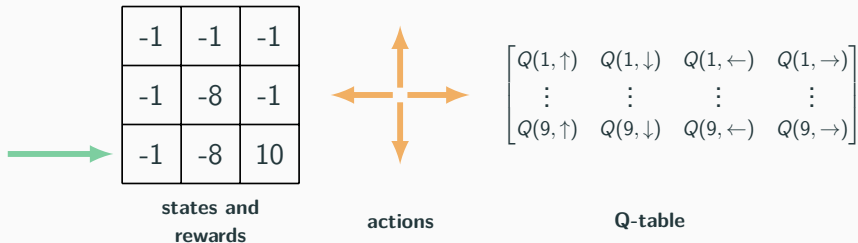
# Artificial Intelligence



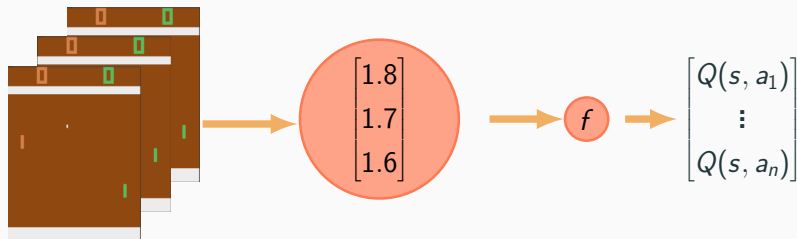
# Reinforcement Learning schema



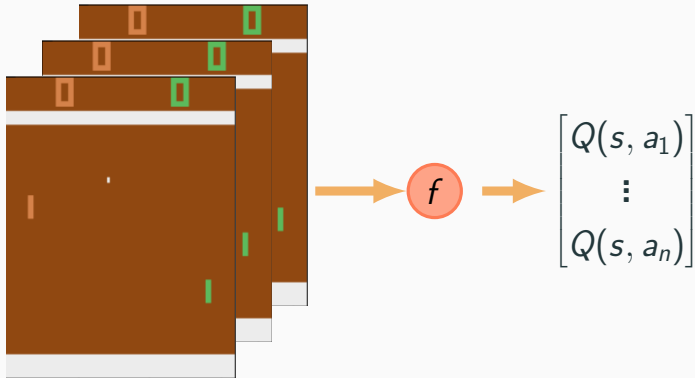
# Q-learning



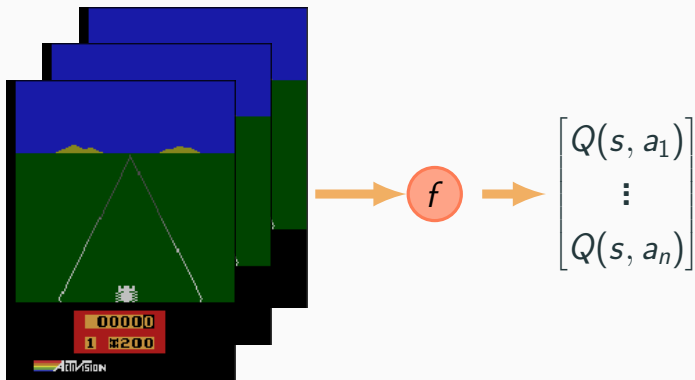
The pong game can have  $256^{84 \times 84 \times 3}$  different states.



# Deep Q-learning



# Deep Q-learning





R. S. Sutton and A. G. Barto.

***Reinforcement Learning : An Introduction.***

MIT Press, 1998.