Fundamentals of Machine Learning THREE SCHOOLS ACROSS FIVE TRIBES

finding correlation between input and output

supervised learning

discovering patterns
between different inputs

unsupervised learning

reinforcement learning

developing behaviour of agent in environment



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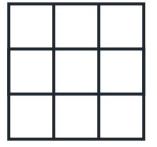
supervised learning unsupervised learning

reinforcement learning

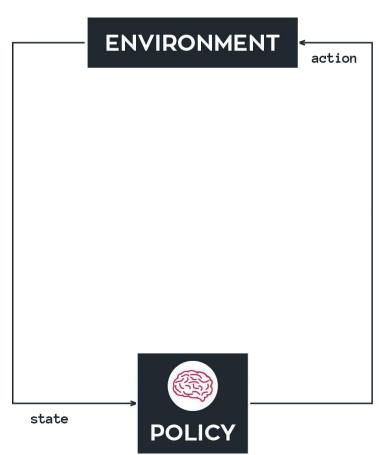
developing behaviour of
"policy" in environment



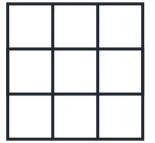
OPPONENT [0]



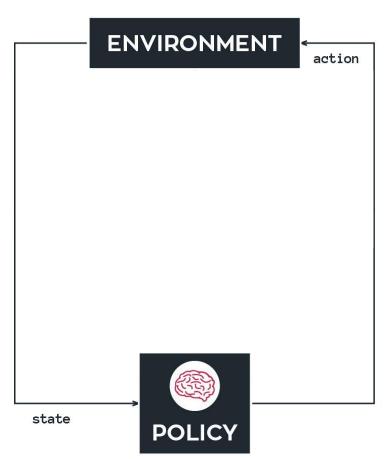








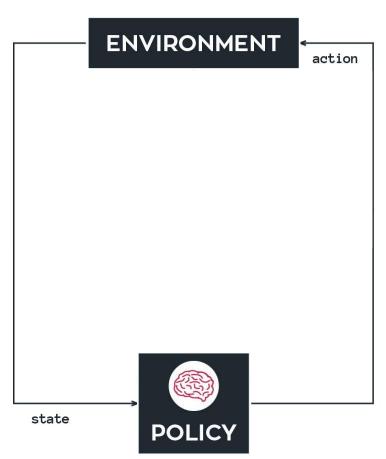




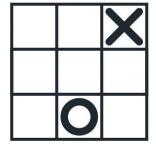
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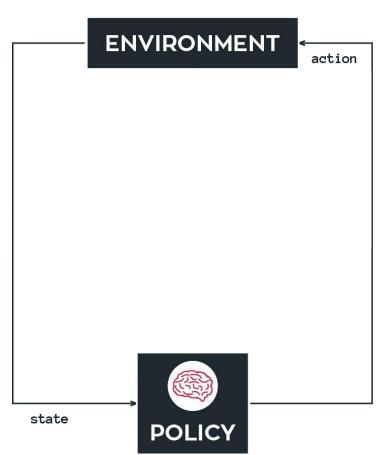




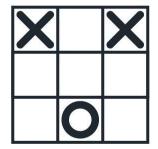
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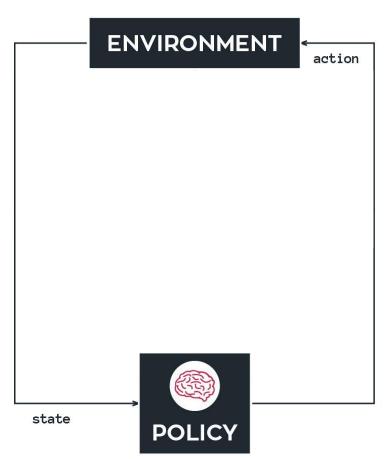




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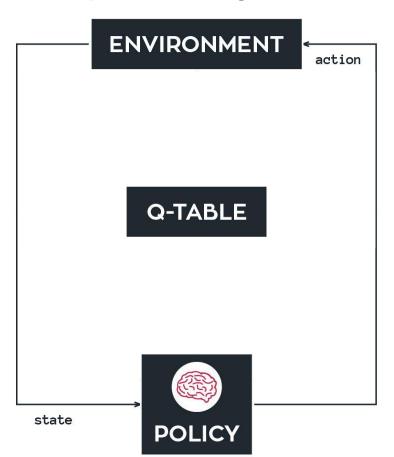




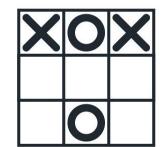
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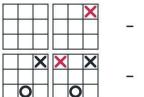




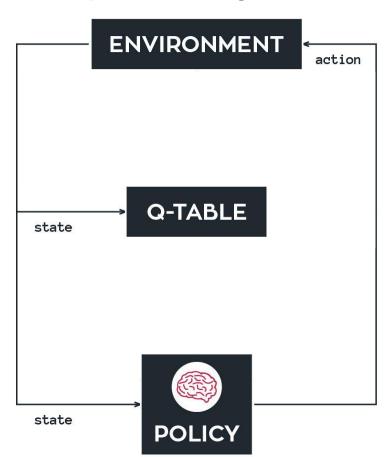
OPPONENT [0]



Q-LEARNING POLICY [x]



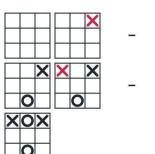




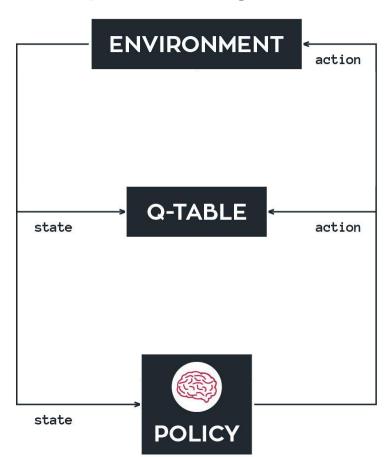
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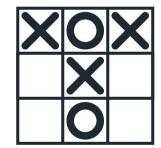
Q-LEARNING POLICY [x]



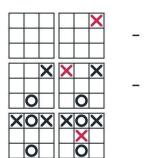




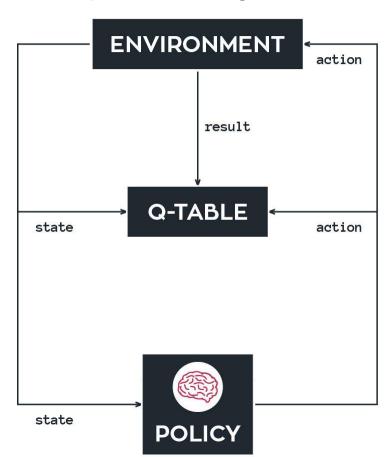




Q-LEARNING POLICY [x]



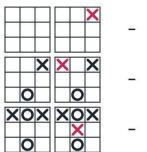




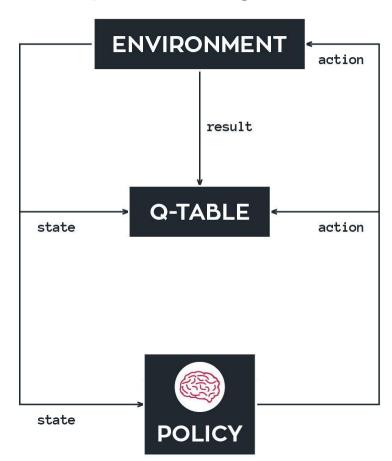




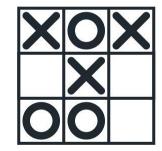
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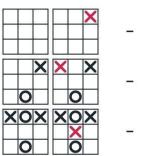




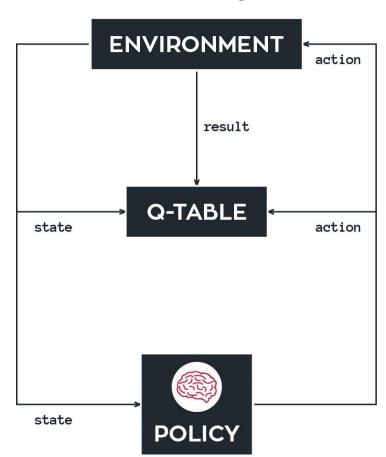
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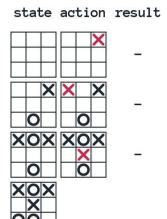
Q-LEARNING POLICY [x]



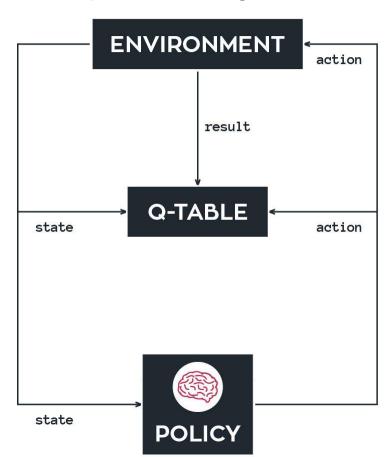




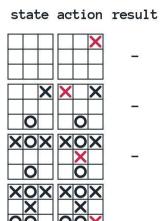




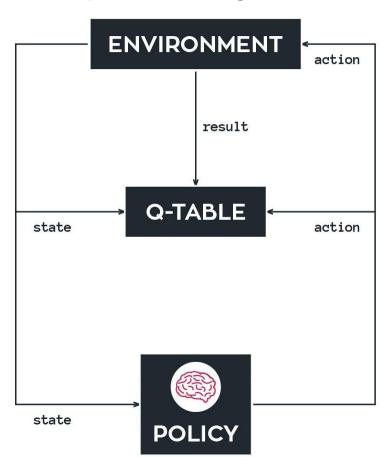




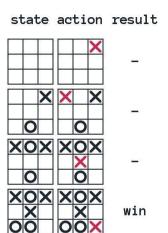




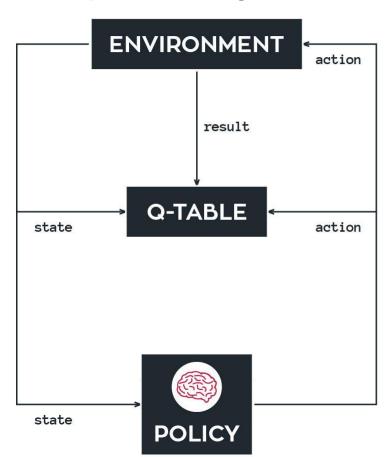




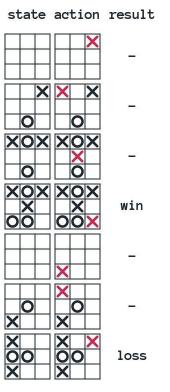




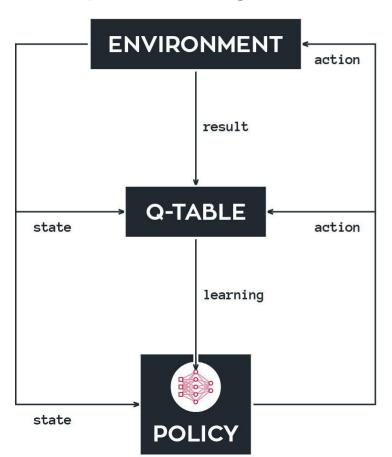




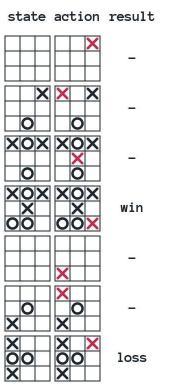




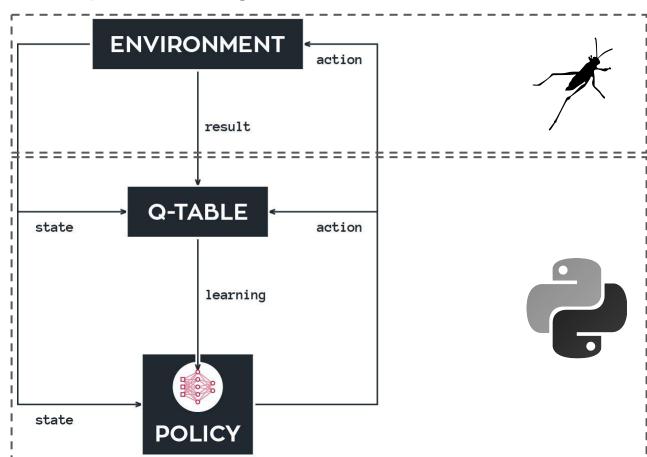








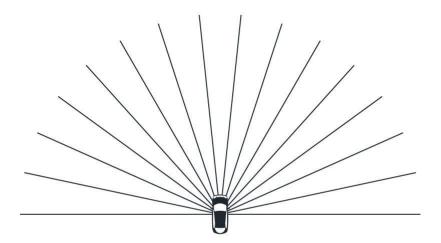






AIM:

Train a deep neural network to control the steering of a vehicle for collision avoidance using deep Q-learning.



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