Rock–Paper–Scissors

The Q-Learning Algorithm

Geraint Palmer

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Rock–Paper–Scissors
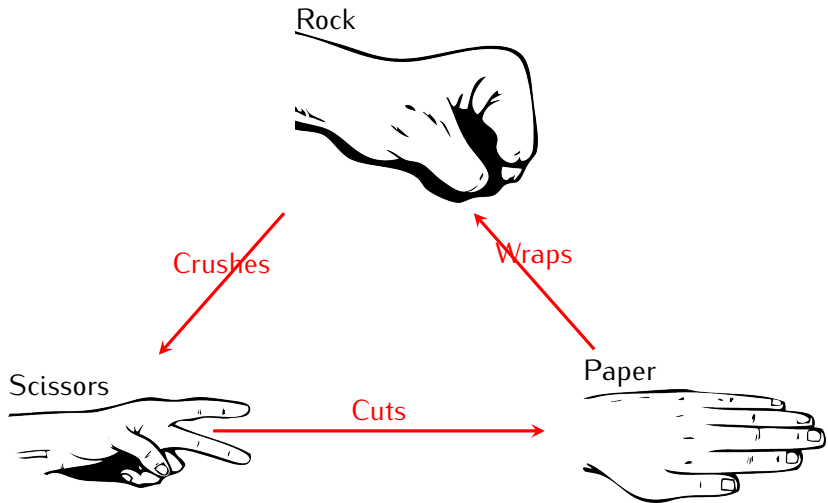
Rock

Scissors

Paper

Rock–Paper–Scissors

Rock

Crushes

Wraps

Scissors

Cuts

Paper

Payoff Matrix

	Rock	Paper	Scissors
Rock	0	–1	1
Paper	1	0	–1
Scissors	–1	1	0

Markov Chains

	Rock	Paper	Scissors
Rock	0.2	0.8	0.0
Paper	0.5	0.0	0.5
Scissors	0.1	0.7	0.2

Doctesting

```
python -m doctest file_name.py
```