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Python人工智能算法工具包: SimpleAI

Python (/lib/tag/Python) 2013-01-17 09:11:28 发布

您的评价: 4.0

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SimpleAI 是 Python 实现的人工智能算法工具包,示例代码:

```
from simpleai.search import SearchProblem, astar
GOAL = 'HELLO WORLD'
class HelloProblem(SearchProblem):
    def actions(self, state):
        if len(state) < len(GOAL):</pre>
            return list(' ABCDEFGHIJKLMNOPQRSTUVWXYZ')
        else:
            return []
   def result(self, state, action):
        return state + action
   def is_goal(self, state):
        return state == GOAL
   def heuristic(self, state):
        # how far are we from the goal?
        wrong = sum([1 if state[i] != GOAL[i] else 0
                    for i in range(len(state))])
        missing = len(GOAL) - len(state)
        return wrong + missing
problem = HelloProblem(initial_state='')
result = astar(problem)
print result.state
print result.path()
```

项目主页: http://www.open-open.com/lib/view/home/1358383704246 (http://www.open-open.com/lib/view/home/1358383704246)

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#65 team/simpleai/issues/65)	(https://github.com/jrandson) 2016-							
How to limit actions to be used once in the tree	<i>07-06</i> e 由 AlexisTM							
#64 (https://github.com/simpleai-	(https://github.com/AlexisTM) 2016-							
team/simpleai/issues/64)	03-15							
·	由 fjcapdevila							
#50 PEP8 (https://github.com/simpleai-	(https://github.com/fjcapdevila) 2014-							
team/simpleai/pull/50)	06-22							
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