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**Algorithm 1** Simple Reflex Agent

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1: function SIMPLE-REFLEX-AGENT(percept)
2:   persistent: rules, a set of condition-action rules
3:
4:   state  $\leftarrow$  INTERPRET-INPUT(percept)
5:   rule  $\leftarrow$  RULE-MATCH(state, rules)
6:   action  $\leftarrow$  rule.ACTION
7:
8:   return action
```

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