
Algorithm 1 Model Based Reflex Agent

```
1: function MODEL-BASED-REFLEX-AGENT(percept)
2:   persistent:
3:     state, the agent's current conception of the world state
4:     model, a description of how the next state depends on current state and action
5:     rules, a set of condition-action rules
6:     action, the most recent action, initially none
7:
8:   state  $\leftarrow$  UPDATE-STATE(state, action, percept, model)
9:   rule  $\leftarrow$  RULE-MATCH(state, rules)
10:  action  $\leftarrow$  rule.ACTION
11:  return action
```
