

## States

$q_0$  : "open" is entered now (ignore case)

$q_1$  : "unlock" was entered before (ignore case)

$q_2$  : "c" was entered before (ignore case)

$q_3$  : "m" was entered before (ignore case)

$q_4$  : "w"  $\vee$  "up"  $\vee$  "s"  $\vee$  "down"  $\vee$  "a"  $\vee$  "left"  $\vee$  "d"  $\vee$  "right" was entered before (ignore case)

$q_5$  : accept state

## Language

$L = \{w \in \{0,1\} \mid w \text{ ends in } 11111\}$

