$$D=(Q, \Sigma, \delta, q_0, F)$$

$a=w \vee up \vee s \vee down \vee a \vee left \vee d \vee right$
$For\, y, unlock, a, c, m, open, exit: ignore\, case$

$L(D)$={y, unlock, {mandatory a, c, m and optional y, unlock in any order with optional repetition}, open}
$Q=\{q_0, q_1, q_2, q_3, q_4, q_5, q_6, q_7, q_8, q_9, q_{10}, q_{11}, q_{12}, q_{13}, q_{14}, q_{15}, q_{16}, q_{17}, q_{18}, q_{19}, q_{20}\}$

$\Sigma=\{y, unlock, a, c, m, open, exit\}$
$\delta: Transition\, Function$
$F=\{q_{18}\}$