(c_q4 ≝ ((ATM_state = 13) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 25) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 24)

(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 4) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 4) ∧ (C_card_id = 26) ∧ (C_card

(c_q0 ≝ ((ATM_state = 2) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 12344)

(c_q0 ≝ ((ATM_state = 3) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 1) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 1) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 3) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 4) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 12) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 5) ∧ (C_card_id = 0) ∧

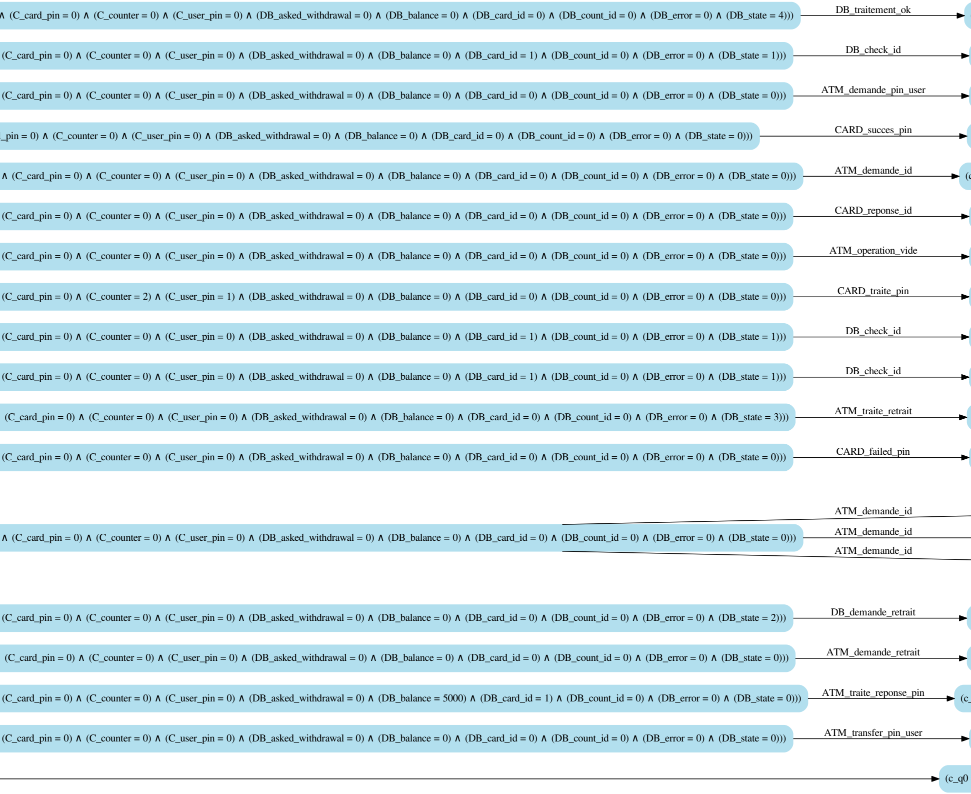
(c_q0 ≝ ((ATM_state = 2) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 12345)

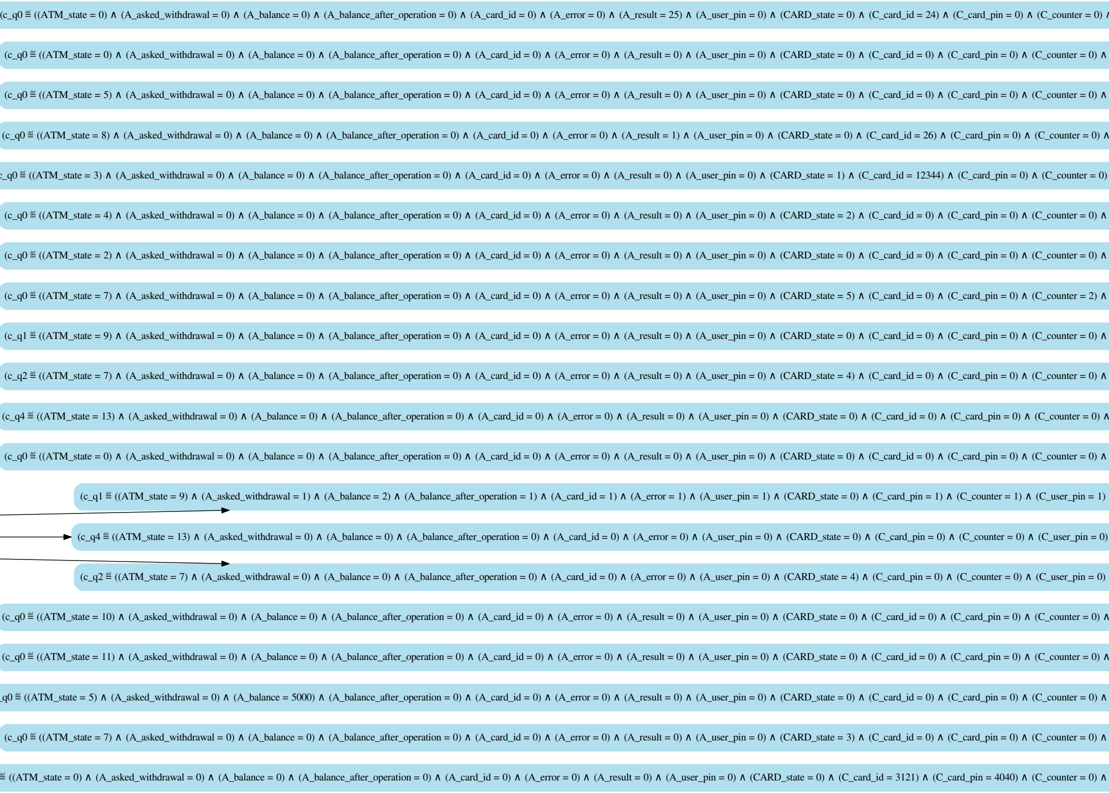
(c_q0 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

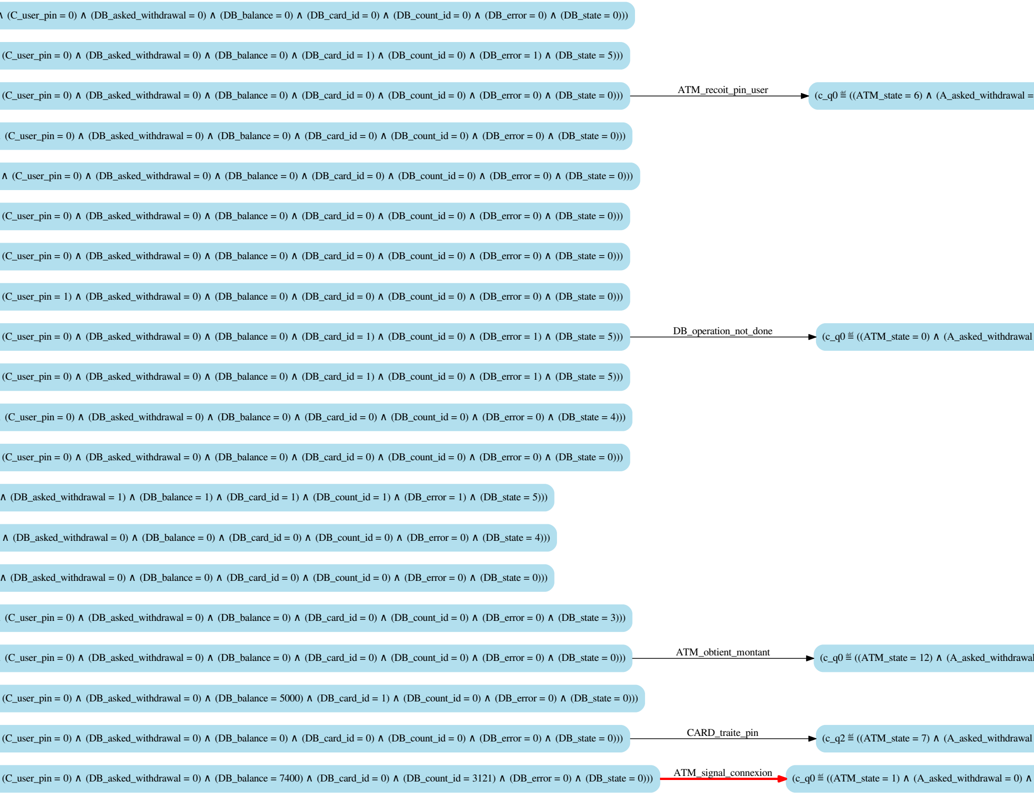
(c_q0 ≝ ((ATM_state = 10) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 8) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 5000) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧

(c_q0 ≝ ((ATM_state = 6) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 2) ∧ (C_card_id = 0) ∧


∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 4)))
DB_traitement_ok
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 1)))
DB_check_id
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_demande_pin_user
_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
CARD_succes_pin
∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_demande_id
(c
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
CARD_reponse_id
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_operation_vide
(C_card_pin = 0) ∧ (C_counter = 2) ∧ (C_user_pin = 1) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
CARD_traite_pin
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 1)))
DB_check_id
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 1)))
DB_check_id
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 3)))
ATM_traite_retrait
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
CARD_failed_pin
ATM_demande_id
∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_demande_id
ATM_demande_id
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 2)))
DB_demande_retrait
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_demande_retrait
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 5000) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_traite_reponse_pin
(c
(C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_transfer_pin_user
(c_q0


(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 25) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 24) ∧ (C_card_pin = 0) ∧ (C_counter = 0)
(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 5) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 8) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 1) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 26) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
c_q0 ≝ ((ATM_state = 3) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 1) ∧ (C_card_id = 12344) ∧ (C_card_pin = 0) ∧ (C_counter = 0)
(c_q0 ≝ ((ATM_state = 4) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 2) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 2) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 5) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 2) ∧
(c_q1 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 4) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q4 ≝ ((ATM_state = 13) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q1 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 1) ∧ (A_balance = 2) ∧ (A_balance_after_operation = 1) ∧ (A_card_id = 1) ∧ (A_error = 1) ∧ (A_user_pin = 1) ∧ (CARD_state = 0) ∧ (C_card_pin = 1) ∧ (C_counter = 1) ∧ (C_user_pin = 1)
(c_q4 ≝ ((ATM_state = 13) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0)
(c_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 4) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0)
(c_q0 ≝ ((ATM_state = 10) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 11) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
q0 ≝ ((ATM_state = 5) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 5000) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
(c_q0 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 3) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧
≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 3121) ∧ (C_card_pin = 4040) ∧ (C_counter = 0) ∧


∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 5)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_recoit_pin_user
(c_q0 ≝ ((ATM_state = 6) ∧ (A_asked_withdrawal =
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 1) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 5)))
DB_operation_not_done
(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 5)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 4)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
∧ (DB_asked_withdrawal = 1) ∧ (DB_balance = 1) ∧ (DB_card_id = 1) ∧ (DB_count_id = 1) ∧ (DB_error = 1) ∧ (DB_state = 5)))
∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 4)))
∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 3)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_obtient_montant
(c_q0 ≝ ((ATM_state = 12) ∧ (A_asked_withdrawal
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 5000) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
CARD_traite_pin
(c_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal
(C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 7400) ∧ (DB_card_id = 0) ∧ (DB_count_id = 3121) ∧ (DB_error = 0) ∧ (DB_state = 0)))
ATM_signal_connexion
(c_q0 ≝ ((ATM_state = 1) ∧ (A_asked_withdrawal = 0) ∧

0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 4040) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0)

= 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 1) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧

= 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧

= 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 4) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧

(A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 3121) ∧ (C_card_pin = 4040) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧

∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))

(DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 0)))

(DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))

(DB_asked_withdrawal = 0) ∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))

(DB_asked_withdrawal = 0) ∧ (DB_balance = 7400) ∧ (DB_card_id = 0) ∧ (DB_count_id = 3121) ∧ (DB_error = 0) ∧ (DB_state = 0)))