(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 = 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_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 = 12345) ∧ (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 = 12344) ∧ (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 = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 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_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_user_pin = 0) ∧ (CARD_state = 4) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user

(c_q0 ≝ ((ATM_state = 5) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 1) ∧ (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 = 2) ∧

(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_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_q0 ≝ ((ATM_state = 2) ∧ (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_id = 12345) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_us

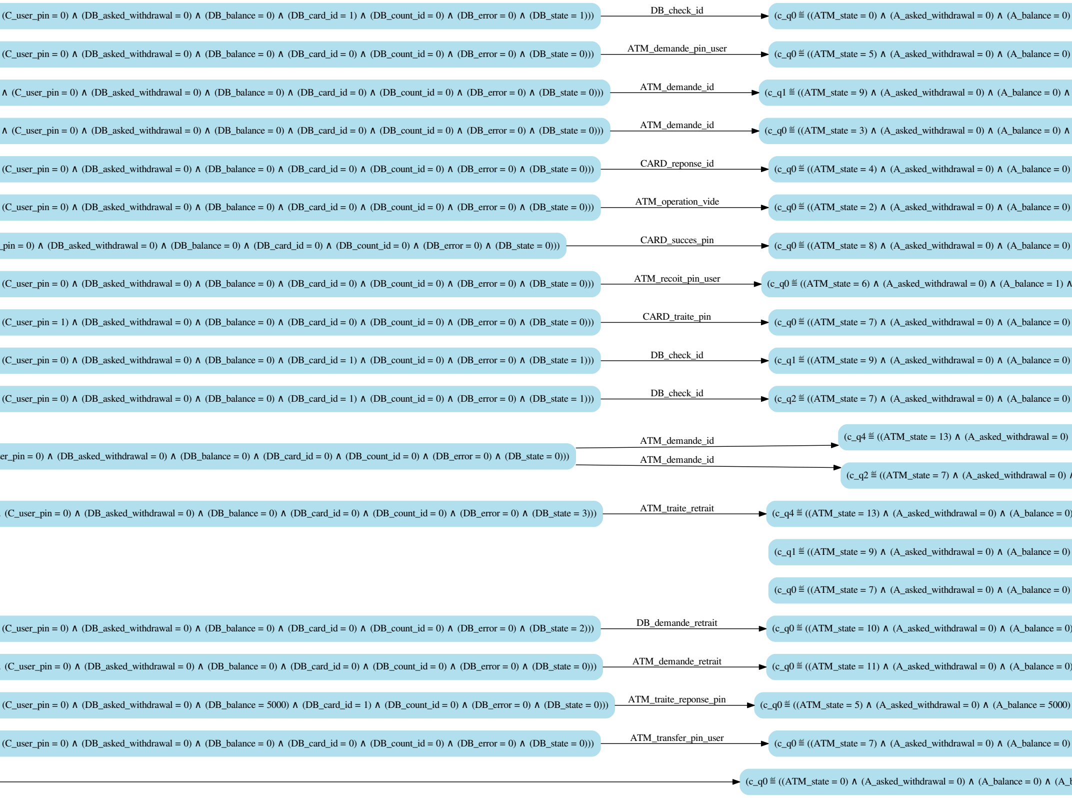
(c_q0 ≝ ((ATM_state = 12) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧

(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_card_pin = 0) ∧ (C_counter = 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 = 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_card_pin = 0) ∧ (C_counter = 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 = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 1)))
DB_check_id
(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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
(c_q0 ≝ ((ATM_state = 5) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q1 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q0 ≝ ((ATM_state = 3) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q0 ≝ ((ATM_state = 4) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q0 ≝ ((ATM_state = 2) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0)
_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_q0 ≝ ((ATM_state = 8) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_recoit_pin_user
(c_q0 ≝ ((ATM_state = 6) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 1) ∧
(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_q0 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q1 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0)
er_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_q4 ≝ ((ATM_state = 13) ∧ (A_asked_withdrawal = 0)
ATM_demande_id
(c_q2 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 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_q4 ≝ ((ATM_state = 13) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0)
(c_q1 ≝ ((ATM_state = 9) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0)
(c_q0 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q0 ≝ ((ATM_state = 10) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q0 ≝ ((ATM_state = 11) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 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_q0 ≝ ((ATM_state = 5) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 5000)
(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 ≝ ((ATM_state = 7) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0)
(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_

∧ (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) ∧ (DB_asked_withdrawal = 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) ∧ (DB_asked_withdrawal = 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_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 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_user_pin = 0) ∧ (DB_asked_withdrawal = 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) ∧

∧ (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) ∧ (DB_asked_withdrawal = 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 = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 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) ∧ (DB_asked_withdrawal = 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_user_pin = 1) ∧ (DB_asked_withdrawal = 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) ∧ (DB_asked_withdrawal = 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) ∧ (DB_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) ∧ (DB_asked_withdrawal = 0) ∧ (DB_balance = 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) ∧ (DB_asked_withdrawal = 0) ∧ (DB_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) ∧ (DB_asked_withdrawal = 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) ∧ (DB_asked_withdrawal = 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 = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧

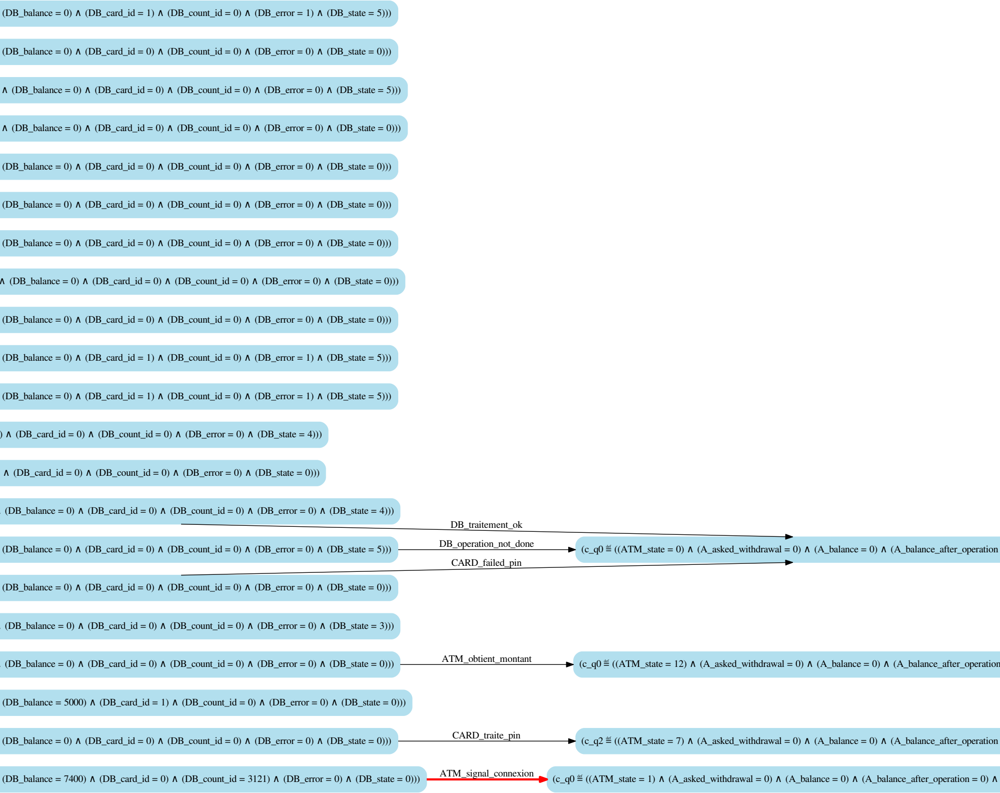
) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧

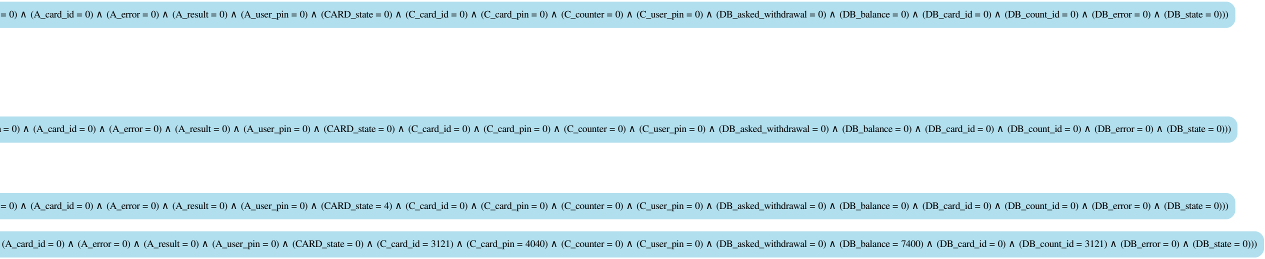
) ∧ (A_balance_after_operation = 0) ∧ (A_card_id = 0) ∧ (A_error = 0) ∧ (A_result = 0) ∧ (A_user_pin = 0) ∧ (CARD_state = 0) ∧ (C_card_id = 0) ∧ (C_card_pin = 0) ∧ (C_counter = 0) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧

∧ (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) ∧ (DB_asked_withdrawal = 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) ∧ (C_user_pin = 0) ∧ (DB_asked_withdrawal = 0) ∧

alance_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 = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 5)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 5)))
∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
∧ (DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 5)))
(DB_balance = 0) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 1) ∧ (DB_state = 5)))
) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 4)))
∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 4)))
DB_traitement_ok
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 5)))
DB_operation_not_done
(c_q0 ≝ ((ATM_state = 0) ∧ (A_asked_withdrawal = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation
CARD_failed_pin
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 0)))
(DB_balance = 0) ∧ (DB_card_id = 0) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 3)))
(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 = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation
(DB_balance = 5000) ∧ (DB_card_id = 1) ∧ (DB_count_id = 0) ∧ (DB_error = 0) ∧ (DB_state = 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 = 0) ∧ (A_balance = 0) ∧ (A_balance_after_operation
(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) ∧ (A_balance = 0) ∧ (A_balance_after_operation = 0) ∧


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