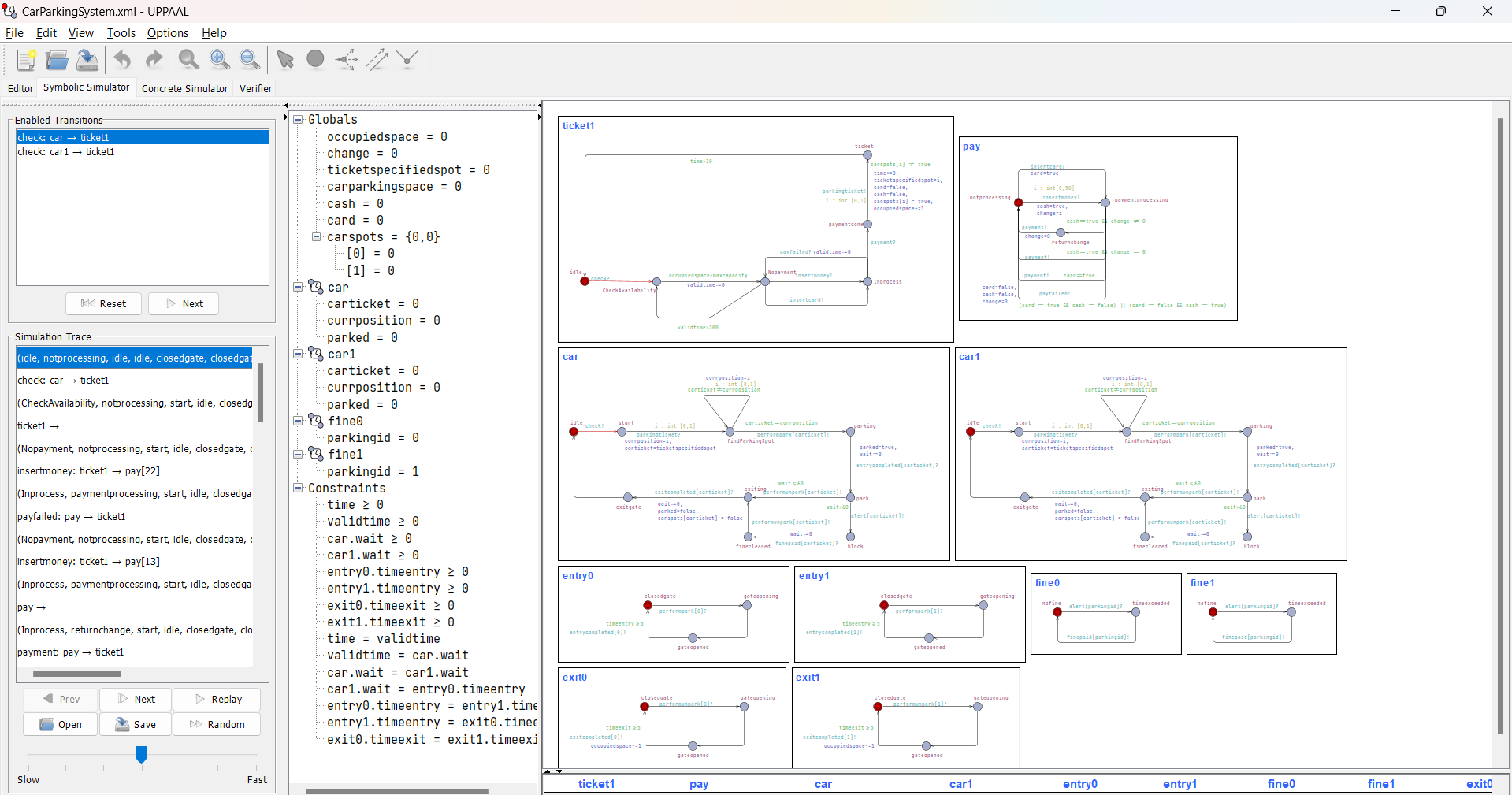
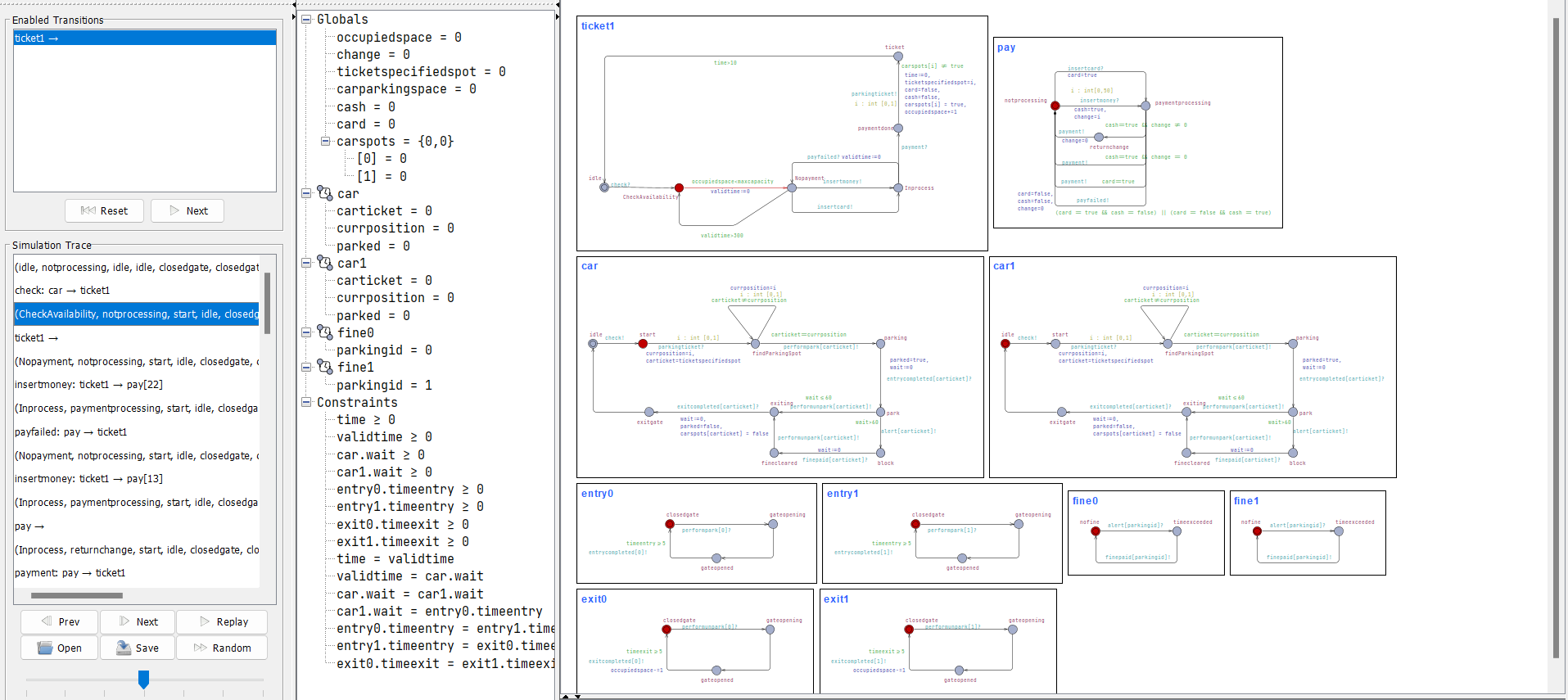
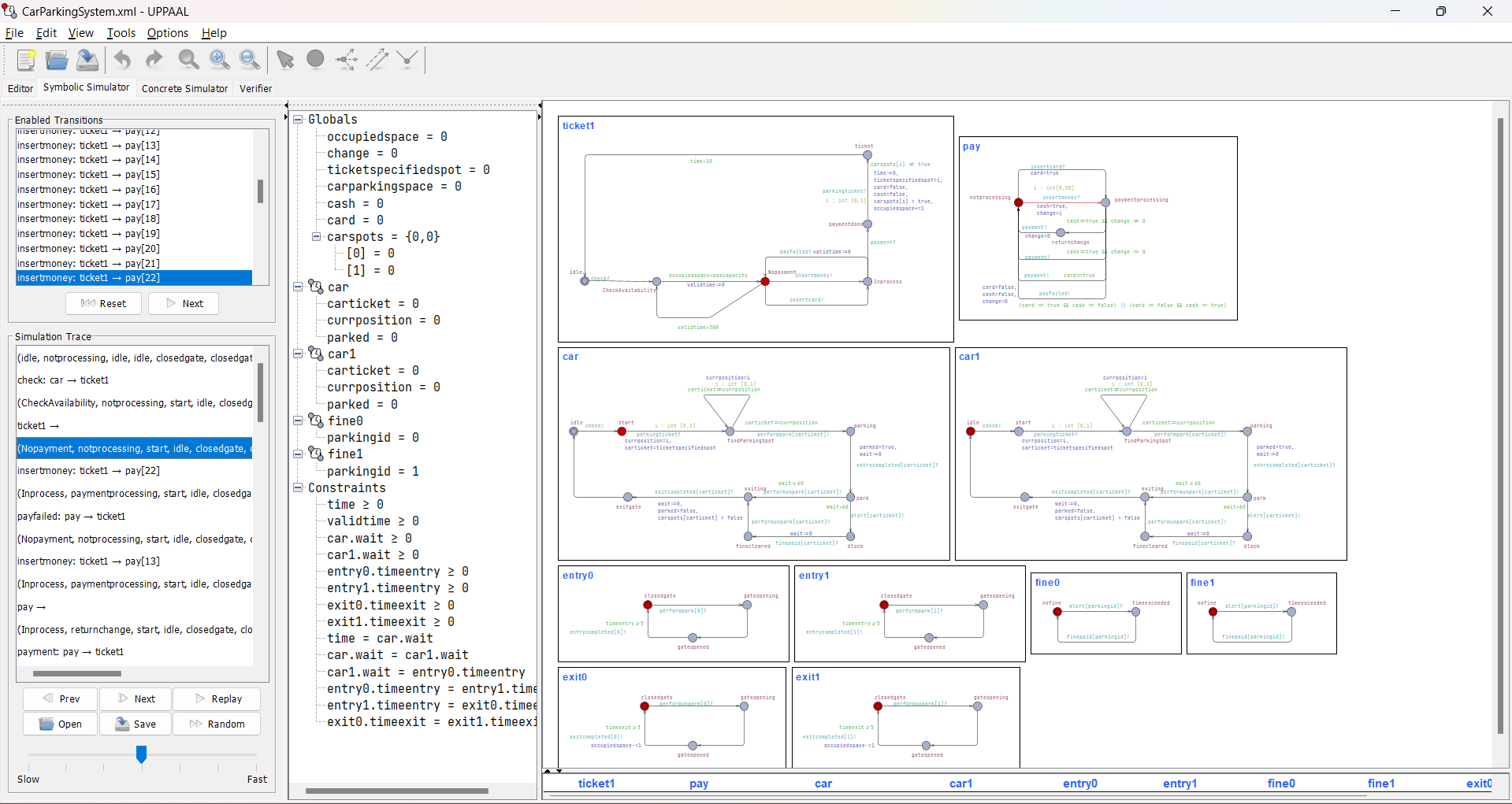
## UPPAAL Simulation



Car1 is sending signal to check for availibility.



Car1 is at the gate and checking for the availability of space



Space is available and the user moves to nopayment

A screenshot of a computer

Description automatically generated

User pays through cash and has rs 22 change to be returned.

A screenshot of a computer

Description automatically generated

Payment is failed and the user is going to retry with a different note, now change to be returned is RS 13.

A screenshot of a computer

Description automatically generated

User change is returned and payment is successful

A screenshot of a computer program

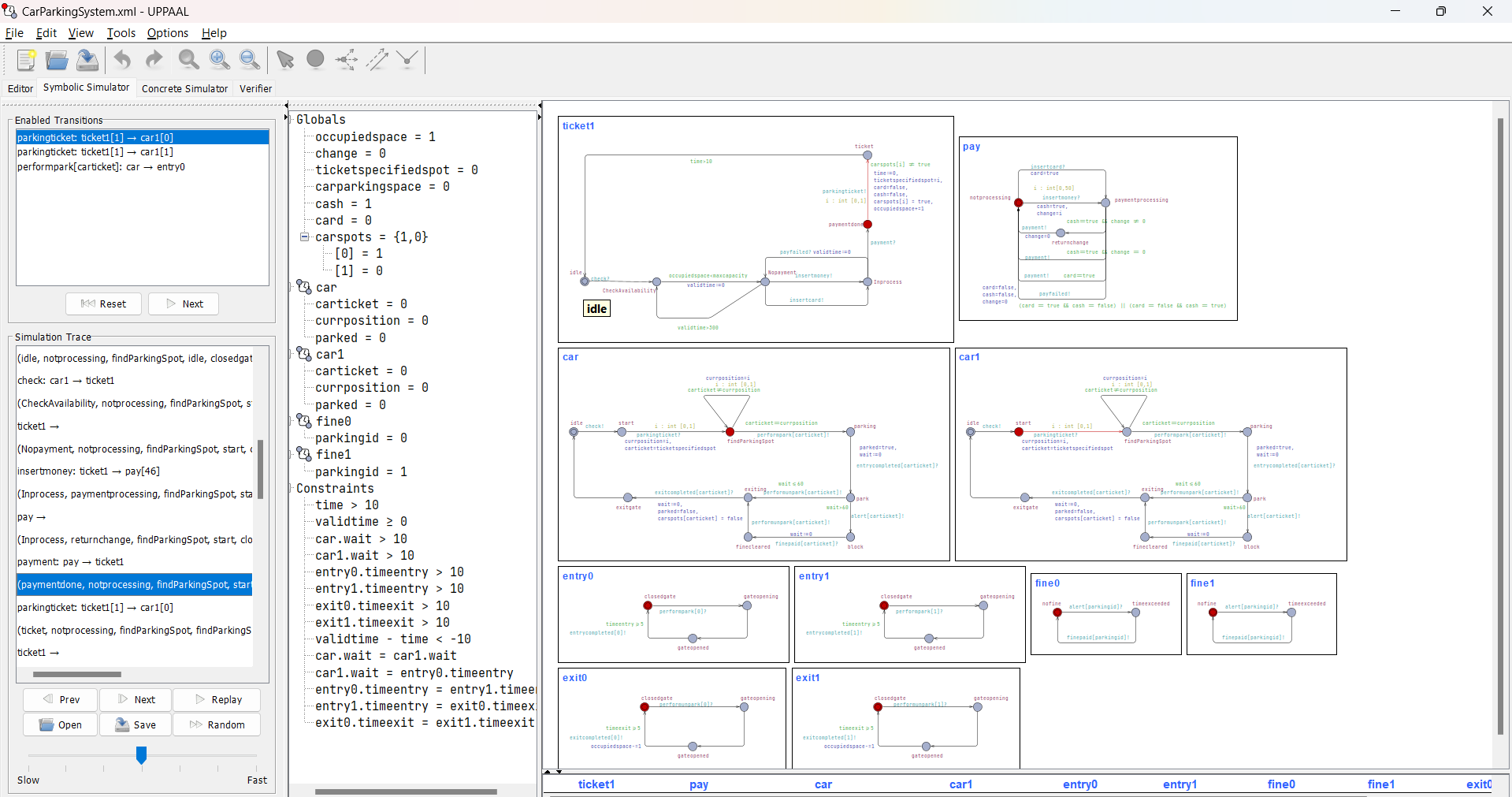
Description automatically generated

Payment module has returned to noprocessing following a successful payment and ticket module is at payment stage and generating a ticket.

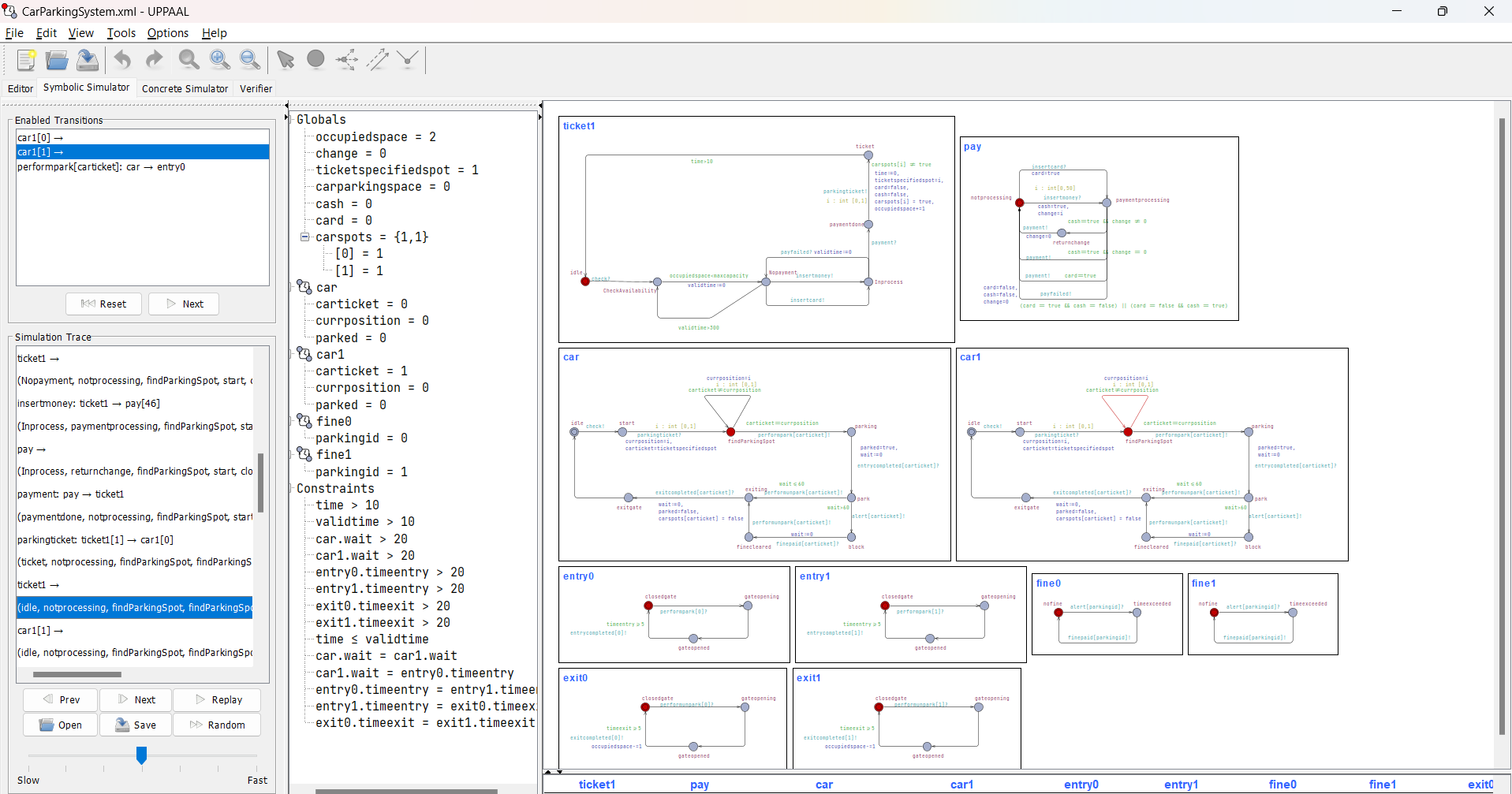
A screenshot of a computer

Description automatically generated

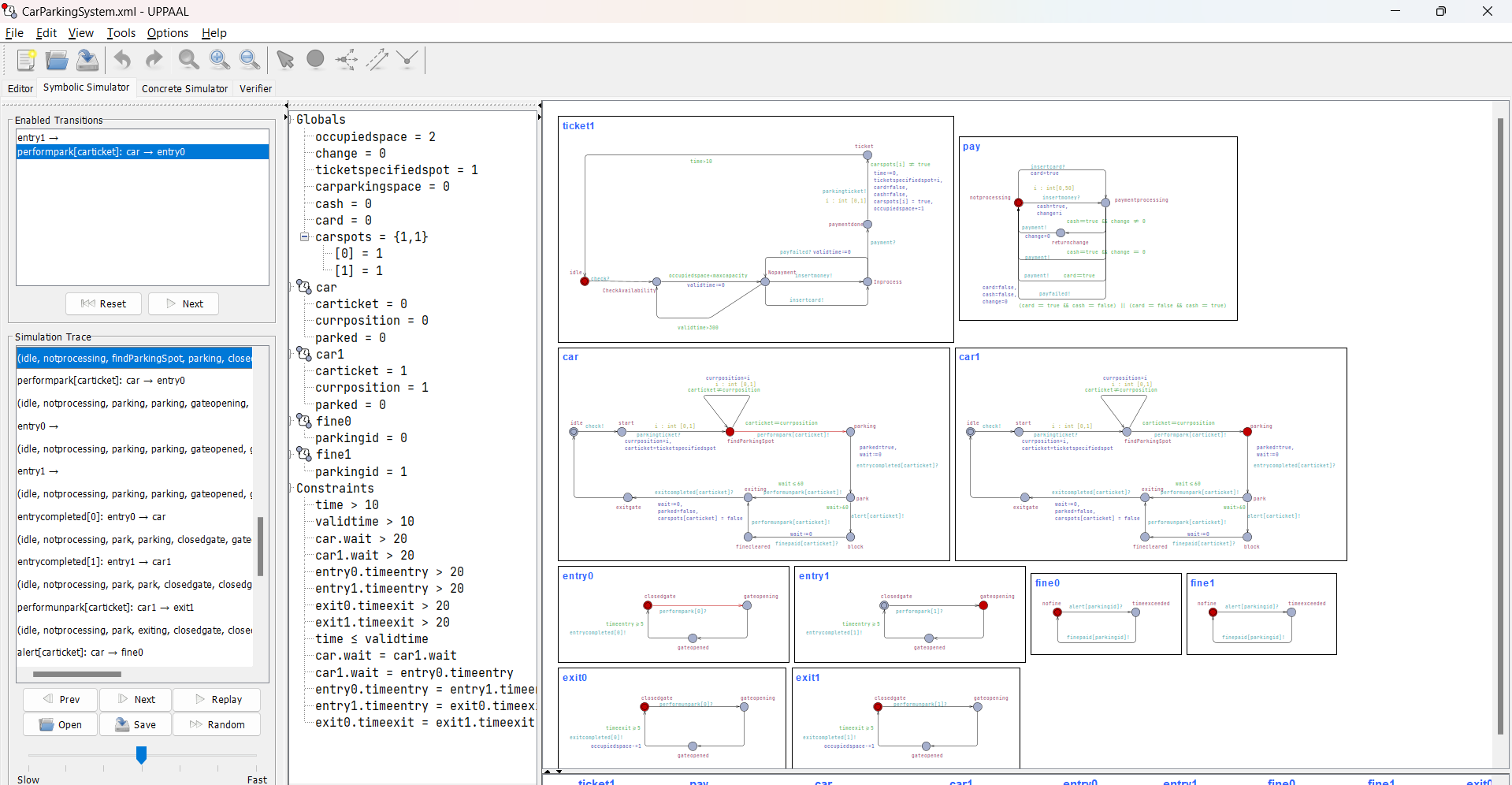
Car got ticket id 0 and is at the space, meanwhile another car is at the teicketing booth checking for space.



Second car pays for the ticket and gets a ticket of 1 as only that spot is available. It is currently at spot 0.



Second car tries to find the spot whereas first car is yet to start the parking process



Second car ahs found the spot whereas first car is parking

A screenshot of a computer

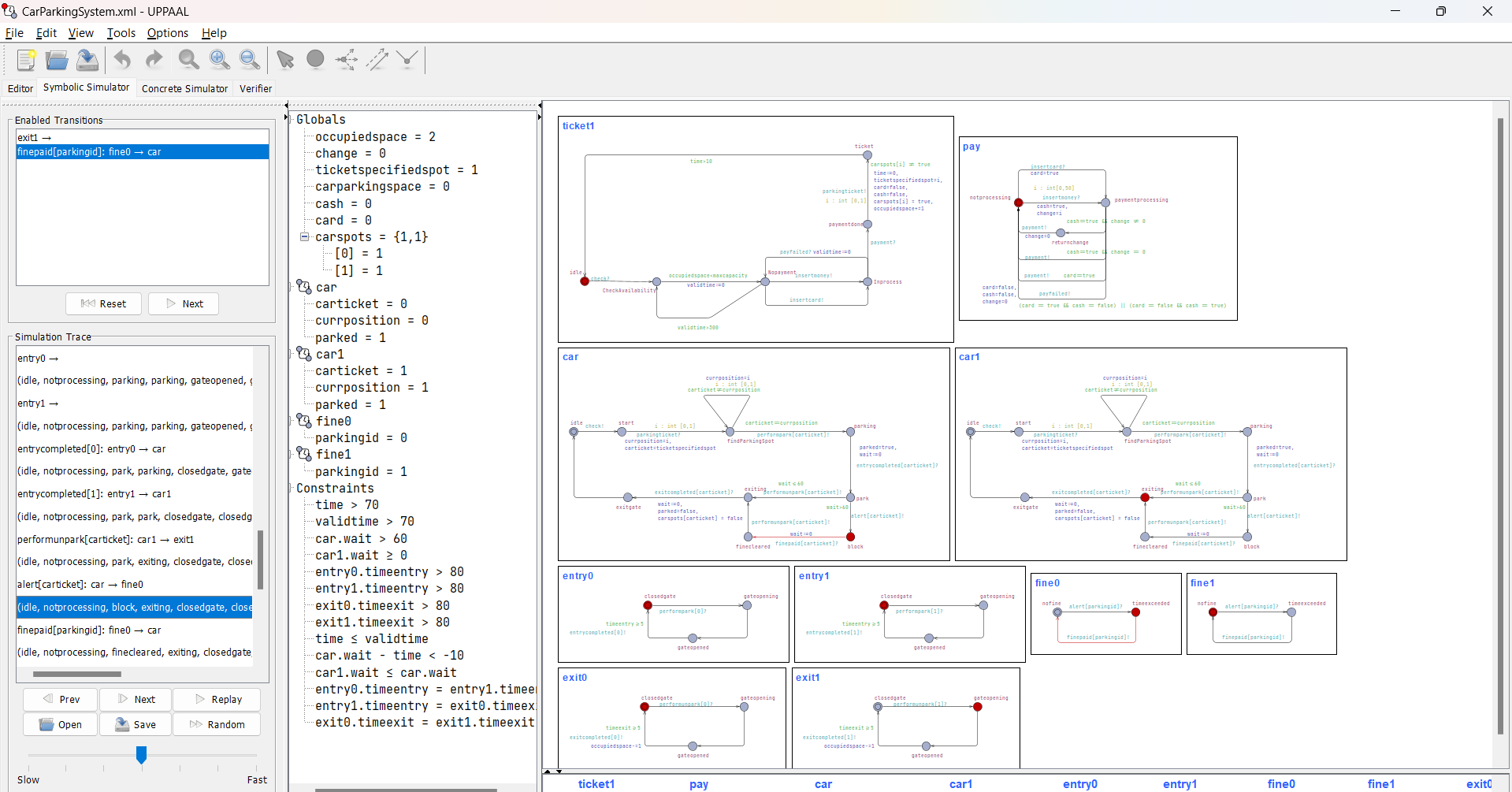
Description automatically generated

Both cars have started the parking process together and the gates for both the parking spots are opening.

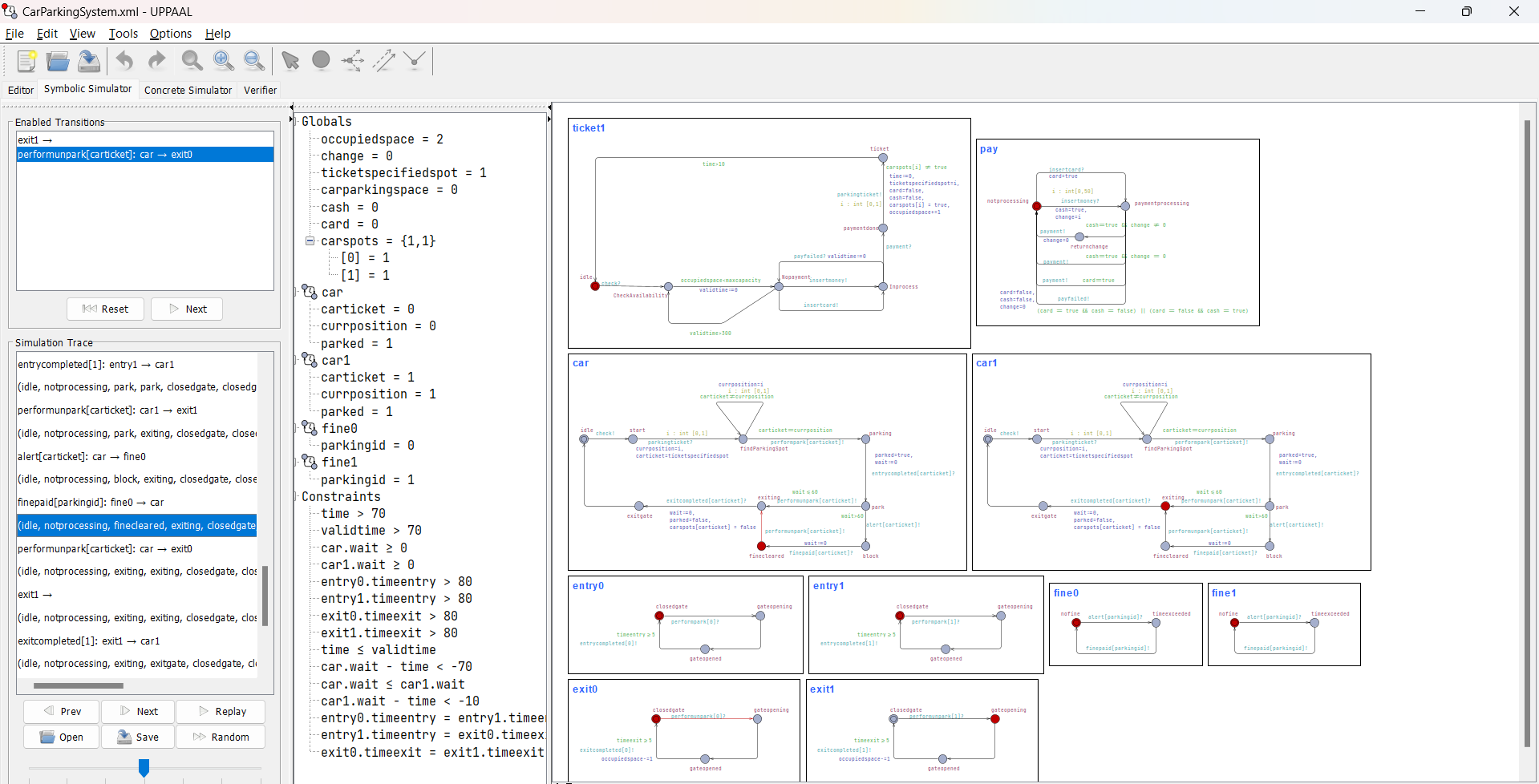
A screenshot of a computer

Description automatically generated

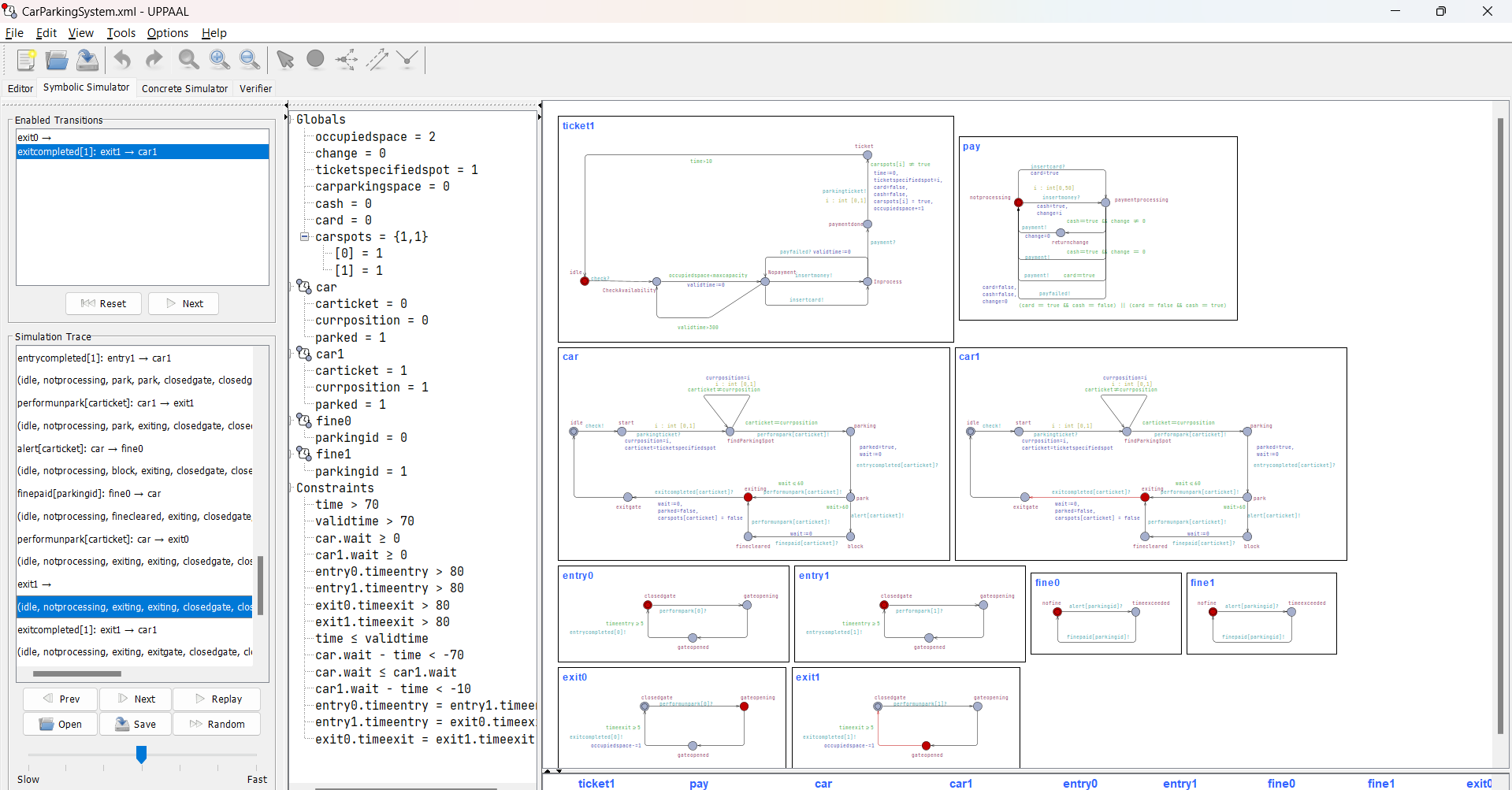
Both cars have parked successfully



Car1 has initiated the exit process and the exit gate for that spot is openeing whereas car has overstayed and is now in block state, has to pay fine



Fine has been paid whereas the other car is exiting still



Car1 parking gate has opened, wheras car has also given the signal to exit, so its gate is also openeing

A screenshot of a computer

Description automatically generated

Car1 has exited and is now in idle state whereas car is exiting still.

A screenshot of a computer

Description automatically generated

Both cars in original state.

## Swimlanes

A screenshot of a computer program

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated A screenshot of a computer

Description automatically generated