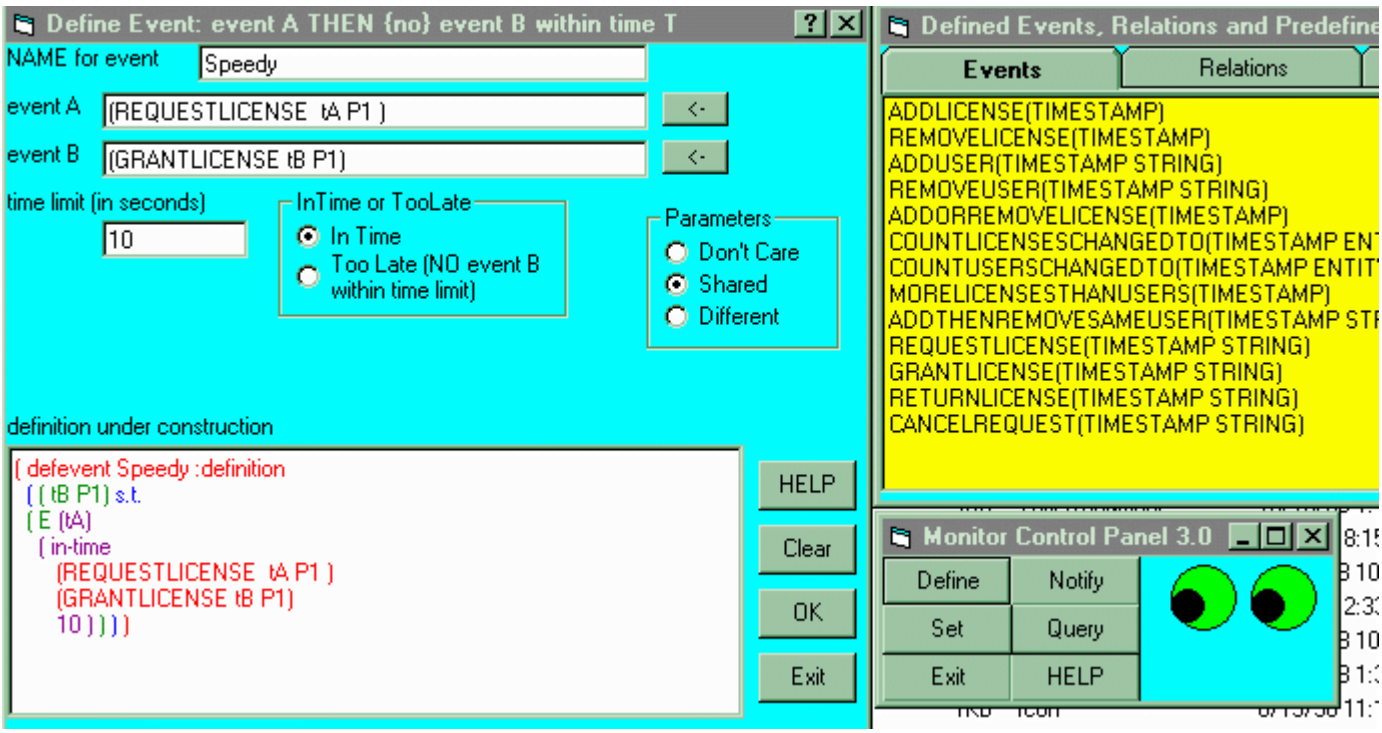
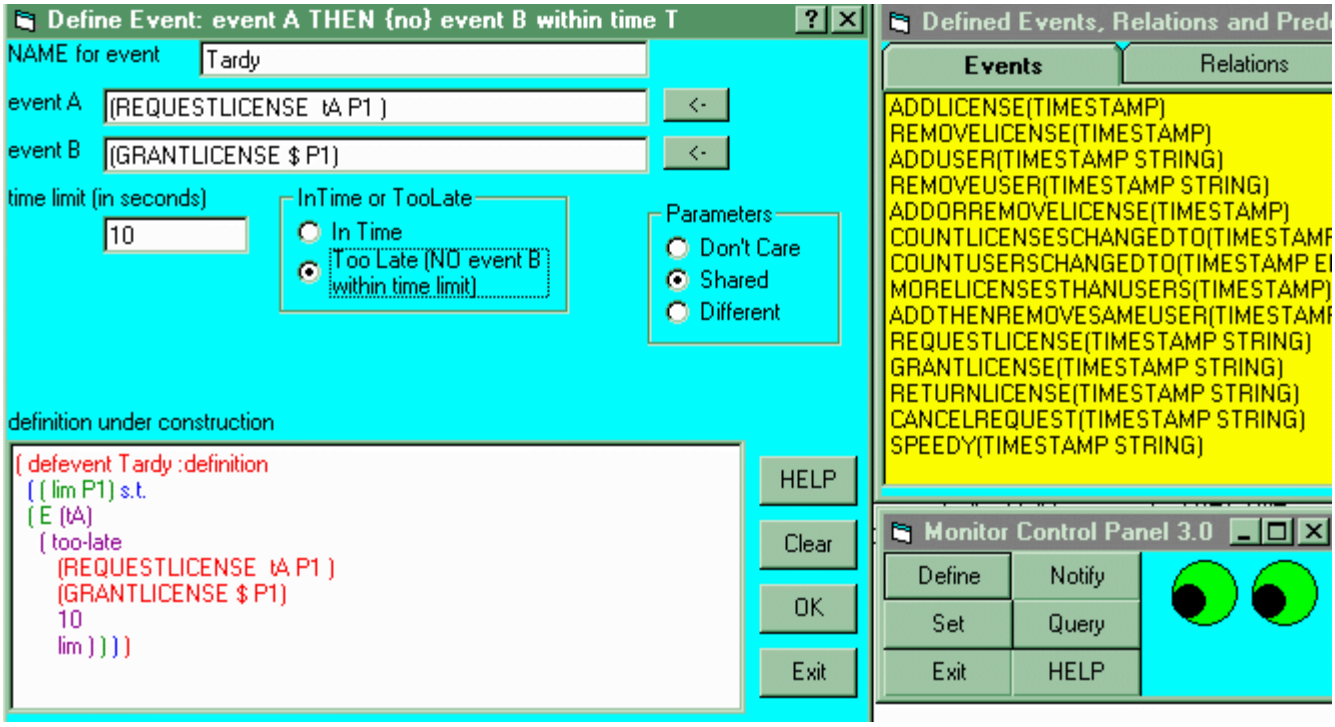
Extended Example
Time Events

FLEA experimental user interface
Defining time-sensitive events

The FLEA experimental interaction window for definition of time-sensitive events is shown below, with the choices to define the event Speedy, which is to occur if a RequestLicense event occurs and is followed within the next 10 seconds by a GrantLicense event involving the same user:



The definition of the event Tardy, which is to occur if a RequestLicense event occurs and is **not** followed by a GrantLicense event involving the same user within the next 10 seconds, is very similar, and show below. The only differences in user inputs are the name being give the event and the selection of the too-late option rather than in-time. (Of course, the event definition being automatically constructed in the large white box at the lower left is different too.)


Define Event: event A THEN {no} event B within time T
NAME for event
Tardy
event A
(REQUESTLICENSE tA P1)
<-
event B
(GRANTLICENSE $ P1)
<-
time limit (in seconds)
10
InTime or TooLate
In Time
Too Late (NO event B within time limit)
Parameters
Don't Care
Shared
Different
definition under construction
(defevent Tardy :definition
((lim P1) s.t.
(E (tA)
(too-late
(REQUESTLICENSE tA P1)
(GRANTLICENSE $ P1)
10
lim))))
HELP
Clear
OK
Exit
Defined Events, Relations and Pred
Events
Relations
ADDLICENSE(TIMESTAMP)
REMOVELICENSE(TIMESTAMP)
ADDUSER(TIMESTAMP STRING)
REMOVEUSER(TIMESTAMP STRING)
ADDORREMOVELICENSE(TIMESTAMP)
COUNTLICENSESCHANGEDTO(TIMESTAMP
COUNTUSERSCHANGEDTO(TIMESTAMP E
MORELICENSESTHANUSERS(TIMESTAMP)
ADDTHENREMOVESAMEUSER(TIMESTAMP
REQUESTLICENSE(TIMESTAMP STRING)
GRANTLICENSE(TIMESTAMP STRING)
RETURNLICENSE(TIMESTAMP STRING)
CANCELREQUEST(TIMESTAMP STRING)
SPEEDY(TIMESTAMP STRING)
Monitor Control Panel 3.0
Define
Notify
Set
Query
Exit
HELP