


<pre> 1 class System { STATE_MACHINE(Machine) { 3 INITIAL_STATE(S1,S1_entry,S1_exit,NULL) { INITIAL(Initial1); 5 STATE(S11, S11_entry, S11_exit) { STATE(S111, S111_entry, S111_exit); 7 }; CHOICE(c1); 9 EXIT_POINT(ex1); }; 11 STATE(S2, S2_entry, S2_exit) { SHALLOW_HISTORY(h1); 13 STATE(S21, S21_entry, S21_exit); FINAL_STATE(S2_final); 15 }; STATE(S3, S3_entry, S3_exit); 17 FINAL_STATE(FinalState1); //Event table definitions 19 //Transition table TRANSITION_TABLE { 21 TRANSITION(S111,c1,NULL,NULL,NULL); TRANSITION(c1,ex1,NULL,NULL,NULL); 23 TRANSITION(c1,S3,NULL,NULL,NULL); } 25 }; void S1_entry() { 27 //Entry action for S1 } 29 //... //class member declarations 31}; </pre>		<pre> 1 class System { STATE_MACHINE(Machine) { INITIAL_STATE(S1,S1_entry,S1_exit,NULL) { INITIAL(Initial1); 5 STATE(S11, S11_entry, S11_exit) { STATE(S111, S111_entry, S111_exit); 7 }; CHOICE(c1); 9 }; STATE(S2, S2_entry, S2_exit) { 11 DEEP_HISTORY(dh1); STATE(S21, S21_entry, S21_exit) { 13 STATE(S211, S211_entry, S211_exit); }; 15 }; FINAL_STATE(FinalState1); 17 //Event table definitions //Transition table 19 TRANSITION_TABLE { TRANSITION(S111,c1,NULL,NULL,NULL); 21 TRANSITION(c1,dh1,NULL,NULL,NULL); TRANSITION(c1,FinalState1,NULL,NULL,NULL); 23 } }; 25 void S1_entry() { //Entry action for S1 27 } //... 29 //class member declarations }; 31 </pre>
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