

1 24+57

Time (s)	Module	Action	Details
0.000	GOAL	SET-BUFFER-CHUNK	GOAL INITIAL-GOAL NIL
0.000	PROCEDURAL	CONFLICT-RESOLUTION	–
0.050	PROCEDURAL	PRODUCTION-FIRED	INITIALIZE-MC-ADD
0.050	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.050	DECLARATIVE	start-retrieval	–
0.100	DECLARATIVE	RETRIEVED-CHUNK	50ADD7
0.100	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 50ADD7
0.150	PROCEDURAL	PRODUCTION-FIRED	SPLIT-FIRST
0.150	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.150	DECLARATIVE	start-retrieval	–
0.200	DECLARATIVE	RETRIEVED-CHUNK	20ADD4
0.200	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 20ADD4
0.250	PROCEDURAL	PRODUCTION-FIRED	SPLIT-SECOND
0.250	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.250	DECLARATIVE	start-retrieval	–
0.300	DECLARATIVE	RETRIEVED-CHUNK	50ADD20
0.300	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 50ADD20
0.350	PROCEDURAL	PRODUCTION-FIRED	ADD-FIRST
0.350	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.350	DECLARATIVE	start-retrieval	–
0.400	DECLARATIVE	RETRIEVED-CHUNK	7ADD4
0.400	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 7ADD4
0.450	PROCEDURAL	PRODUCTION-FIRED	ADD-SECOND
0.450	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.450	DECLARATIVE	start-retrieval	–
0.500	DECLARATIVE	RETRIEVAL-FAILURE	–
0.550	PROCEDURAL	PRODUCTION-FIRED	FIND-DOUBLE
0.550	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.550	DECLARATIVE	start-retrieval	–
0.600	DECLARATIVE	RETRIEVED-CHUNK	10ADD1
0.600	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 10ADD1
0.650	PROCEDURAL	PRODUCTION-FIRED	SPLIT-DOUBLE
0.650	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.650	DECLARATIVE	start-retrieval	–
0.700	DECLARATIVE	RETRIEVED-CHUNK	70ADD10
0.700	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 70ADD10
0.750	PROCEDURAL	PRODUCTION-FIRED	ADD-FIRST
0.750	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.750	DECLARATIVE	start-retrieval	–
0.800	DECLARATIVE	RETRIEVED-CHUNK	1ADD0
0.800	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 1ADD0
0.850	PROCEDURAL	PRODUCTION-FIRED	ADD-SECOND
0.850	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.850	DECLARATIVE	start-retrieval	–
0.900	DECLARATIVE	RETRIEVED-CHUNK	80ADD1
0.900	DECLARATIVE	SET-BUFFER-CHUNK	RETRIEVAL 80ADD1
0.950	PROCEDURAL	PRODUCTION-FIRED	FINAL-SUM EIGHTY-ONE
0.950	PROCEDURAL	CLEAR-BUFFER	RETRIEVAL
0.950	—	Stopped	No events left to process

Table 1: Trace table showing the sequence of ACT-R model events to add 24 and 57.