

Calculator

	Interface	Event	Guard	Actions	State Variable Updates	Target State	Comments	Tags
1	boot <>							
2	ICalc	Cancel		Illegal		-		
3	ICalc	CancelEntry		Illegal		-		
4	ICalc	Digit_0		Illegal		-		
5	ICalc	Digit_1_9(digitId)		Illegal		-		
6	ICalc	Equals+		Illegal		-		
7	ICalc	Off		Illegal		-		
8	ICalc	Oper(operId)+		Illegal		-		
9	ICalc	Point		Illegal		-		
10	ICalc	On		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
11	ICalc	OperMinus+		Illegal		-		
12	begin <ICalc.On>							
13	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
14	ICalc	CancelEntry		Illegal		-		
15	ICalc	Digit_0		Viewer:IView.Insert('\$0'\$); ICalc.VoidReply		op1Zero		
16	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op1Int		
17	ICalc	Equals+		Illegal		-		
18	ICalc	Off		ICalc.VoidReply		exit		
19	ICalc	Oper(operId)+		Viewer:IView.Oper(operId); ICalc.EvalOk		opEntered		
20	ICalc	Point		Viewer:IView.Inserts('\$"0."\$); ICalc.VoidReply		op1Frac		
21	ICalc	On		Illegal		-		
22	ICalc	OperMinus+		Viewer:IView.Negate; ICalc.EvalOk		negated1		
23	op1Zero <ICalc.On, ICalc.Digit_0>							
24	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
25	ICalc	CancelEntry		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
26	ICalc	Digit_0		ICalc.VoidReply		op1Zero		
27	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op1Int		
28	ICalc	Equals+		Illegal		-		
29	ICalc	Off		ICalc.VoidReply		exit		
30	ICalc	Oper(operId)+		Viewer:IView.Convert; Viewer:IView.Oper(operId); ICalc.EvalOk		opEntered		
31	ICalc	Point		Viewer:IView.Insert('\$.'\$); ICalc.VoidReply		op1Frac		
32	ICalc	On		Illegal		-		
33	ICalc	OperMinus+		Viewer:IView.Convert; Viewer:IView.Oper('\$-'\$); ICalc.EvalOk		opEntered		
34	op1Int <ICalc.On, ICalc.Digit_1_9(digitId)>							
35	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
36	ICalc	CancelEntry		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
37	ICalc	Digit_0		Viewer:IView.Insert('\$0'\$); ICalc.VoidReply		op1Int		
38	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op1Int		
39	ICalc	Equals+		Illegal		-		
40	ICalc	Off		ICalc.VoidReply		exit		
41	ICalc	Oper(operId)+		Viewer:IView.Convert; Viewer:IView.Oper(operId); ICalc.EvalOk		opEntered		
42	ICalc	Point		Viewer:IView.Insert('\$.'\$);		op1Frac		

				I Calc.VoidReply			
43	I Calc	On		Illegal		-	
44	I Calc	OperMinus+		Viewer:I View.Convert; Viewer:I View.Oper('\$-'\$); I Calc.EvalOk		opEntered	
45	exit <I Calc.On, I Calc.Off>						
46	I Calc	Cancel		Illegal		-	
47	I Calc	CancelEntry		Illegal		-	
48	I Calc	Digit_0		Illegal		-	
49	I Calc	Digit_1_9(digitId)		Illegal		-	
50	I Calc	Equals+		Illegal		-	
51	I Calc	Off		Illegal		-	
52	I Calc	Oper(operId)+		Illegal		-	
53	I Calc	Point		Illegal		-	
54	I Calc	On		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
55	I Calc	OperMinus+		Illegal		-	
56	opEntered <I Calc.On, I Calc.Oper(operId)+>						
57	I Calc	Cancel		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
58	I Calc	CancelEntry		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
59	I Calc	Digit_0		Viewer:I View.Insert('\$'0'\$); I Calc.VoidReply		op2Zero	
60	I Calc	Digit_1_9(digitId)		Viewer:I View.Insert(digitId); I Calc.VoidReply		op2Int	
61	I Calc	Equals+		Illegal		-	
62	I Calc	Off		I Calc.VoidReply		exit	
63	I Calc	Oper(operId)+		Illegal		-	
64	I Calc	Point		Viewer:I View.Inserts('\$'0.'\$); I Calc.VoidReply		op2Frac	
65	I Calc	On		Illegal		-	
66	I Calc	OperMinus+		Viewer:I View.Negate; I Calc.EvalOk		negated2	
67	op1Frac <I Calc.On, I Calc.Point>						
68	I Calc	Cancel		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
69	I Calc	CancelEntry		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
70	I Calc	Digit_0		Viewer:I View.Insert('\$'0'\$); I Calc.VoidReply		op1Frac	
71	I Calc	Digit_1_9(digitId)		Viewer:I View.Insert(digitId); I Calc.VoidReply		op1Frac	
72	I Calc	Equals+		Illegal		-	
73	I Calc	Off		I Calc.VoidReply		exit	
74	I Calc	Oper(operId)+		Viewer:I View.Convert; Viewer:I View.Oper(operId); I Calc.EvalOk		opEntered	
75	I Calc	Point		I Calc.VoidReply		op1Frac	
76	I Calc	On		Illegal		-	
77	I Calc	OperMinus+		Viewer:I View.Convert; Viewer:I View.Oper('\$-'\$); I Calc.EvalOk		opEntered	
78	negated1 <I Calc.On, I Calc.OperMinus+>						
79	I Calc	Cancel		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
80	I Calc	CancelEntry		Viewer:I View.CancelEntry; I Calc.VoidReply		begin	
81	I Calc	Digit_0		Viewer:I View.Insert('\$'0'\$); I Calc.VoidReply		op1Zero	
82	I Calc	Digit_1_9(digitId)		Viewer:I View.Insert(digitId); I Calc.VoidReply		op1Int	
83	I Calc	Equals+		Illegal		-	
84	I Calc	Off		I Calc.VoidReply		exit	
85	I Calc	Oper(operId)+		Illegal		-	

86	ICalc	Point		Viewer:IView.Inserts("\$"0."\$); ICalc.VoidReply		op1Frac		
87	ICalc	On		Illegal		-		
88	ICalc	OperMinus+		ICalc.EvalOk		negated1		
89	op2Zero <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_0>							
90	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
91	ICalc	CancelEntry		Viewer:IView.CancelEntry; ICalc.VoidReply		opEntered		
92	ICalc	Digit_0		ICalc.VoidReply		op2Zero		
93	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op2Int		
94	ICalc	Equals+		Viewer:IView.Evaluate+		testEquals		
95	ICalc	Off		ICalc.VoidReply		exit		
96	ICalc	Oper(>>operId)+		Viewer:IView.Evaluate+		testOper		
97	ICalc	Point		Viewer:IView.Insert('\$'.'\$); ICalc.VoidReply		op2Frac		
98	ICalc	On		Illegal		-		
99	ICalc	OperMinus+		Viewer:IView.Evaluate+		testOperMinus		
100	op2Int <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_1_9(digitId)>							
101	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
102	ICalc	CancelEntry		Viewer:IView.CancelEntry; ICalc.VoidReply		opEntered		
103	ICalc	Digit_0		Viewer:IView.Insert('\$'0'\$); ICalc.VoidReply		op2Int		
104	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op2Int		
105	ICalc	Equals+		Viewer:IView.Evaluate+		testEquals		
106	ICalc	Off		ICalc.VoidReply		exit		
107	ICalc	Oper(>>operId)+		Viewer:IView.Evaluate+		testOper		
108	ICalc	Point		Viewer:IView.Insert('\$'.'\$); ICalc.VoidReply		op2Frac		
109	ICalc	On		Illegal		-		
110	ICalc	OperMinus+		Viewer:IView.Evaluate+		testOperMinus		
111	op2Frac <ICalc.On, ICalc.Oper(operId)+, ICalc.Point>							
112	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
113	ICalc	CancelEntry		Viewer:IView.CancelEntry; ICalc.VoidReply		opEntered		
114	ICalc	Digit_0		Viewer:IView.Insert('\$'0'\$); ICalc.VoidReply		op2Frac		
115	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op2Frac		
116	ICalc	Equals+		Viewer:IView.Evaluate+		testEquals		
117	ICalc	Off		ICalc.VoidReply		exit		
118	ICalc	Oper(>>operId)+		Viewer:IView.Evaluate+		testOper		
119	ICalc	Point		Viewer:IView.Insert('\$'.'\$); ICalc.VoidReply		op2Frac		
120	ICalc	On		Illegal		-		
121	ICalc	OperMinus+		Viewer:IView.Evaluate+		testOperMinus		
122	negated2 <ICalc.On, ICalc.Oper(operId)+, ICalc.OperMinus+>							
123	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
124	ICalc	CancelEntry		Viewer:IView.CancelEntry; ICalc.VoidReply		opEntered		
125	ICalc	Digit_0		Viewer:IView.Insert('\$'0'\$); ICalc.VoidReply		op2Zero		
126	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op2Int		
127	ICalc	Equals+		Illegal		-		
128	ICalc	Off		ICalc.VoidReply		exit		
129	ICalc	Oper(operId)+		Illegal		-		
130	ICalc	Point		Viewer:IView.Inserts("\$"0."\$); ICalc.VoidReply		op2Frac		

131	ICalc	On		Illegal		-		
132	ICalc	OperMinus+		ICalc.EvalOk		negated2		
133	testEquals <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_0, ICalc.Equals+>							
134	Viewer:IView	EvaluateOk		ICalc.EvalOk		result		
135	Viewer:IView	EvaluateNotOk		ICalc.EvalNotOk		error		
136	testOper <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_0, ICalc.Oper(operId)+>							
137	Viewer:IView	EvaluateOk		Viewer:IView.Oper(<<operId); ICalc.EvalOk		opEntered		
138	Viewer:IView	EvaluateNotOk		ICalc.EvalNotOk		error		
139	testOperMinus <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_0, ICalc.OperMinus+>							
140	Viewer:IView	EvaluateOk		Viewer:IView.Oper('\$-'\$); ICalc.EvalOk		opEntered		
141	Viewer:IView	EvaluateNotOk		ICalc.EvalNotOk		error		
142	result <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_0, ICalc.Equals+, Viewer:IView.EvaluateOk>							
143	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
144	ICalc	CancelEntry		Illegal		-		
145	ICalc	Digit_0		Viewer:IView.Insert('\$'0'\$); ICalc.VoidReply		op1Zero		
146	ICalc	Digit_1_9(digitId)		Viewer:IView.Insert(digitId); ICalc.VoidReply		op1Int		
147	ICalc	Equals+		Illegal		-		
148	ICalc	Off		ICalc.VoidReply		exit		
149	ICalc	Oper(operId)+		Viewer:IView.Oper(operId); ICalc.EvalOk		opEntered		
150	ICalc	Point		Viewer:IView.Inserts("\$"0."\$); ICalc.VoidReply		op1Frac		
151	ICalc	On		Illegal		-		
152	ICalc	OperMinus+		Viewer:IView.Oper('\$-'\$); ICalc.EvalOk		opEntered		
153	error <ICalc.On, ICalc.Oper(operId)+, ICalc.Digit_0, ICalc.Equals+, Viewer:IView.EvaluateNotOk>							
154	ICalc	Cancel		Viewer:IView.CancelEntry; ICalc.VoidReply		begin		
155	ICalc	CancelEntry		Illegal		-		
156	ICalc	Digit_0		Illegal		-		
157	ICalc	Digit_1_9(digitId)		Illegal		-		
158	ICalc	Equals+		Illegal		-		
159	ICalc	Off		ICalc.VoidReply		exit		
160	ICalc	Oper(operId)+		Illegal		-		
161	ICalc	Point		Illegal		-		
162	ICalc	On		Illegal		-		
163	ICalc	OperMinus+		Illegal		-		