INPUT DATA

	# of Observations	# of Predictors
	10,203	3
	X1	X2
Lower Bound	1	1
Upper Bound	7	7
Mean	2.898	5.2077

Var-Cov	beta 1	beta 2	delta 12
beta 1	0.000656		
beta 2	0.0003	0.00023	
delta 12	-0.00011	-0.00005	0.000021
Coefficient	-0.04655	0.250	0.03426

CALCULATOR OF STANDARD ERROR

delta 12

X1	X2	SE	
1	1	0.034452866	F1
1	7	0.103513284	F2
7	1	0.161626112	F3
7	7	0.116081868	F4
	Average	0.01155	F5

Simple Effect of X1

X1	Mean of X2	SE	
1	5.2077	0.082036986	F6
7	5.2077	0.114181837	F7
	Average	0.032703137	F8

beta 1

X2	SE	
7	0.241170064	F9
1	0.103513284	F10
7	1.131382782	F11
1	0.116081868	F12
Average	0.044226333	F13

beta 2

	A	B	C	D	E
43	X1	SE			
44	7	0.241170064	F14		
45	7	0.724592989	F15		
46	1	0.161626112	F16		
47	1	0.116081868	F17		
48	Average	0.034540862	F18		
49					
50					
51	**OUTPUT**				
52					
53	delta 12	Estimate	SE	t-value	p-vlalue
54	MRA	0.03426	0.00458	7.476	0.00000
55	Sequential CI APP	0.03426	0.01155	2.967	0.00301
56		F19	F20	F21	F22
57					
58	Simple Effect of X1	Estimate	SE	t-value	p-vlalue
59	SSA	0.13187	0.00787	16.756	0.00000
60	Sequential CI APP	0.13187	0.03270	4.032	0.00006
61		F23	F24	F25	F26
62					
63	beta 1	Estimate	SE	t-value	p-vlalue
64	MRA	-0.04655	0.02561	-1.817	0.06917
65	Sequential CI APP	-0.04655	0.04423	-1.053	0.29258
66		F27	F28	F29	F30
67					
68	beta 2	Estimate	SE	t-value	p-vlalue
69	MRA	0.25	0.01517	16.485	0.00000
70	Sequential CI APP	0.25	0.03454	7.238	0.00000
71		F31	F32	F33	F34
72					
73					
74					
75	F1=($B$12*(A22^2)+$C$13*(B22^2)+$D$14*(A22^2)*(B22^2)				
76	+2*$B$13*(A22)*(B22)+2*$B$14*(A22^2)*(B22)+2*$C$14*(A22)*(B22^2))^(1/2)				
77	F2=($B$12*(A23^2)+$C$13*(B23^2)+$D$14*(A23^2)*(B23^2)				
78	+2*$B$13*(A23)*(B23)+2*$B$14*(A23^2)*(B23)+2*$C$14*(A23)*(B23^2))^(1/2)				
79	F3=($B$12*(A24^2)+$C$13*(B24^2)+$D$14*(A24^2)*(B24^2)				
80	+2*$B$13*(A24)*(B24)+2*$B$14*(A24^2)*(B24)+2*$C$14*(A24)*(B24^2))^(1/2)				
81	F4=($B$12*(A25^2)+$C$13*(B25^2)+$D$14*(A25^2)*(B25^2)				
82	+2*$B$13*(A25)*(B25)+2*$B$14*(A25^2)*(B25)+2*$C$14*(A25)*(B25^2))^(1/2)				
83	F5=SUM(C22:C25)/((B8-B7)*(C8-C7))				
84					

	A	B	C	D	E
85	F6=($B$12*(A30^2)+$C$13*(B30^2)+$D$14*(A30^2)*(B30^2)				
86	+2*$B$13*(A30)*(B30)+2*$B$14*(A30^2)*(B30)+2*$C$14*(A30)*(B30^2))^(1/2)				
87	F7=($B$12*(A31^2)+$C$13*(B31^2)+$D$14*(A31^2)*(B31^2)				
88	+2*$B$13*(A31)*(B31)+2*$B$14*(A31^2)*(B31)+2*$C$14*(A31)*(B31^2))^(1/2)				
89	F8=SUM(C30:C31)/(B8-B7)				
90					
91	F9=C22*A36				
92	F10=C23*A37				
93	F11=C24*A38				
94	F12=C25*A39				
95	F13=SUM(B36:B39)/((B8-B7)*(C8-C7))				
96					
97	F14=C22*A44				
98	F15=C23*A45				
99	F16=C24*A46				
100	F17=C25*A47				
101	F18=SUM(B44:B47)/((B8-B7)*(C8-C7))				
102					
103	F19=D15				
104	F20=C26				
105	F21=B55/C55				
106	F22=T.DIST.2T(ABS(D55),B5-C5-1)				
107					
108	F23=B15+D15*C9				
109	F24=C32				
110	F25=B60/C60				
111	F26=T.DIST.2T(ABS(D60),B5-C5-1)				
112					
113	F27=B15				
114	F28=B40				
115	F29=B65/C65				
116	F30=T.DIST.2T(ABS(D65),B5-C5-1)				
117					
118	F31=C15				
119	F32=B48				
120	F33=B70/C70				
121	F34=T.DIST.2T(ABS(D70),B5-C5-1)				