

SC 20035

B3-11.0

Log 1 - Format Controlled Decimal

0000	s0136'	1 at 30	
0001	t0008'	Arg. less than or equal 0	
0002	s0124'	1 at 5 - 1 at 30	
0003	t0011'	5 leading zeros	
0004	a0126'	1 at 5	
0005	e0127'	wwwwwj0	drop last 5 bits
0006	r0056'		
0007	u0016'		
0008	xz0000'		
0009	z0000'		
0010	z0000'		
0011	a0126'	1 at 5	
0012	n0048'	1 at 26	shift left 5 bits
0013	r0056'		
0014	u0016'		
	,0000001'		
0015	14000000'	5 at 5	
0016	h0102'		
0017	s0139'		
0018	t0155'		
0019	a0062'	1 at 1 + 1 at 30	
0020	h0049'	x	
0021	m0150'	1 at 1	shift right 1 bit
0022	a0151'	sq. root of 2 at 2	
0023	h0009'	x + sq. root of 2 at 2	
0024	b0000'	alpha + 2	q at .29
0025	n0061'	1 at 7	shift left 24 bits
0026	h0141'	q at 5	
0027	b0049'	x	
0028	m0150'	1 at 1	shift right 1 bit
0029	s0151'	sq. root of 2 at 2	
0030	d0009'	x + sq. root of 2	
0031	h0010'	y at 0	$y = (x - \text{sq. root of } 2) / (x + \text{sq. root of } 2)$

0032	m0010'	y at 0	
0033	h0119'	y**2 at 0	
0034	u0035'		
0035	h0121'	y**2 at 0	
0036	u0038'		
0037	xz0001'	1 at 29	0051 0108
0038	m0103'	C7 at 5	
0039	a0118'	C5 at 5	
0040	m0119'	y**2 at 0	
0041	a0120'	C3 at 5	
0042	m0121'	y**2 at 0	
0043	u0044'		
0044	a0123'	C1 at 5	
0045	m0010'	y at 0	
0046	a0125'	.5 at 5	
0047	u0050'		
0048	xz0008'	1 at 26	0012
0049	z0000'		0020 0027 0063
0050	h0129'	mantissa at 5	
0051	b0037'	1 at 29	
0052	a0024'	L(alpha + 2)	
0053	y0111'	L(alpha + 3)	
0054	a0140'	9 at 15 + 1 at 29	
0055	u0107'		
0056	a0000'	0 or 5 at 5	Acc. contains
0057	s0129'	mantissa at 5	"(-char.) at 5"
0058	u0059'		
0059	m0145'	-1/LOG2 k at 1, LOGk x at 6	in Acc.
0060	u0122'		
	,0000002'		
0061	01000000'	1 at 7	0025
0062	40000002'	1 at 1 + 1 at 30	0019
0063	b0049'		

0100	u0152'			
	,0000003'			
0101	k3f37f02'	-1/LOG2 e	-.6931471806	0150
0102	00000000'			0016 0130
0103	0lgjfq96'	C7 at 5	.434259751292	0038
0104	e0147'	7wwwwwq	drop sign	
0105	s0141'	q at 5		
0106	u0056'			
0107	c0122'	exit		
0108	s0037'	l at 29		
0109	u0111'			
0110	z0000'			
0111	a0000'	alpha + 3	contains "k" code	
0112	t0148'	k = 2		
0113	s0142'	l at 29		
0114	t0143'	k = e		
0115	b0137'	-1/LOG2 10 at 1	here: k = 10	
0116	h0145'	multiplier		
0117	u0063'			
	,0000012'			
0118	024q6j20'	C5 at 5	.576584342056	0039
0119	00000000'			0033 0040
0120	03k8q24j'	C3 at 5	.961800762286	0041
0121	00000000'			0035 0042
0122	000f0000'	exit		
0123	0g8ff3g2'	C1 at 5	2.885390072738	0044
0124	03wwwwwq'	l at 5 - l at 30		0002
0125	02000000'	.5 at 5		0046
0126	04000000'	l at 5		0004 0126
0127	wwwwwj0'			0005 0155
0128	00000000'			
0129	00000000'	mantissa		0050 0057
0130	a0102'			
0131	u0016'			

	,0000011'		
0132	00000000'		
0133	00000000'		
0134	j0000000'	-1 at 1	0148
0135	40000002'	1 at 1 + 1 at 30	0156
0136	00000002'	1 at 30	0000
0137	qjggqjg0'	-1/LOG2 10	-0.3010299957
0138	02000000'	1 at 6	0115
0139	40000000'	1 at 1	0152
0140	00090004'		0017
0141	00000000'	q at 5	0054
0142	00000004'	1 at 29	0026 0105
0143	b0101'	-1/LOG2 e at 1	0113
0144	u0116'		
	,0000003'		
0145	00000000'		0059 0116
0146	00000000'		
0147	7wwwwwwq'		0104
0148	b0134'	-1 at 1	
0149	u0116'		
	,0000002'		
0150	40000000'	1 at 1	0021 0028
0151	2k413jjj'	sq. root of 2 at 2	1.414213562
0152	n0138'	1 at 6	shift left 25
0153	u0104'		
0154	z0000'		
0155	e0127'	wwwwwwj0	
0156	a0135'	1 at 1 + 1 at 30	0022 0029
0157	u0130'		
	.0000000'ha		