

SC 20101

D1-13.0

Matrix Multiply 1 - Format Controlled Decimal

0000	b0000'	Lo of H1-11.0	
0001	y0144'		
0002	y0127'		
0003	y0143'		
0004	y0126'		
0005	y0134'		
0006	y0135'		
0007	b0243'	1 at 29	
0008	a0000'	alpha + 2	
0009	y0024'	alpha + 3	
0010	a0246'	1 at 29	
0011	y0026'	alpha + 4	
0012	a0241'	1 at 29	
0013	y0049'	alpha + 5	
0014	a0243'	1 at 29	
0015	y0030'	alpha + 6	
0016	a0131'	1 at 29	
0017	y0039'	alpha + 7	
0018	y0047'		
0019	a0241'	1 at 29	
0020	y0122'	alpha + 8	
0021	u0024'		
	,0000002'		
0022	00000000'	Bo	0057 0100 0150
0023	00800000'	1 at 8	0037
0024	b0000'		
0025	h0163'		
0026	b0000'	i at 23 and j at 29 of A	
0027	h0213'		
0028	e0200'	xz6300	
0029	c0244'	i at 23 of A	
0030	b0000'	i at 23 and j at 29 of B	
0031	h0162'		

0032	e0112'	xz0063	
0033	h0238'	j at 29 of B	
0034	u0036'		
0035	z0000'		
0036	n0244'	i at 23 of A	0029
0037	m0023'	l at 8	(i of A)(j of B) at 29
0038	u0039'		
0039	a0000'	Co	
0040	y0236'		
0041	b0213'		
0042	e0112'	xz0063	
0043	h0132'	j of A at 29	
0044	a0163'	Ao	
0045	s0237'		
0046	y0239'		
0047	b0000'	Co	
0048	y0128'		
0049	b0000'	Bo	
0050	h0022'		
0051	u0205'		
0052	b0162'	i at 23 and j at 29 of B	
0053	m0212'	l at 6	
0054	s0132'	i at 23 of A	
0055	t0241'	to error halt	
0056	u0247'		
0057	b0022'	Bo	
0058	y0137'		
0059	a0238'	j at 29 of B	
0060	y0146'		
0061	u0113'		
0062	z0000'		
0063	m0235'	l at 2	

0100	a0022'	Bo	
0101	s0237'	1 at 29	
0102	y0118'	Bo+[(j of A)(j of B)]-1	
0103	u0052'		
0104	b0128'	Cij	
0105	a0241'	1 at 29	
0106	y0128'		
0107	s0236'	Co+[(i of A)(j of B)]	
0108	t0231'		
0109	b0245'	Ao	
0110	y0113'		
0111	u0120'		
0112	xz0063'		0032
0113	b0163'	Ao	
0114	y0136'		
0115	a0237'	1 at 29	
0116	y0145'		
0117	u0134'		
0118	n0000'	N[Bo+[(j of A)(j of B)]-1]	
0119	xz0000'	Bij	0154 0201
0120	b0057'	Bo	
0121	y0150'		
0122	u0000'	exit	
0123	b0145'	Aij	
0124	s0239'	Ao+(j-1 of A)	
0125	t0157'		
0126	r0000'		
0127	u0000'		enter H1-11.0
0128	h0000'	Cij	
0129	xe0000'		
0130	u0104'		
0131	xz0001'	1 at 29	

	,00000002'		
0132	00000000'	(j of A)	0210 0043 0054 0207
0133	00000000'		0218
0134	r0000'		
0135	u0000'	enter Hl-11.0	
0136	p0000'	Ail	
0137	m0000'	Blj	
0138	u0145'		
0139	b0218'		
0140	u0141'		
0141	y0113'		
0142	u0228'		
0143	r0000'		
0144	u0000'	enter Hl-11.0	
0145	p0000'	Aij	
0146	n0000'	Bij	
0147	xe0000'		
0148	u0123'		
0149	z0000'		
0150	b0022'	Bo	
0151	a0237'	l at 29	
0152	y0137'		
0153	u0154'		
0154	c0119'	Bij	
0155	u0220'		
0156	z0000'		
0157	b0145'	L[Aij]	
0158	a0237'	l at 29	
0159	y0145'		
0160	b0146'	L[Aij]	
0161	u0223'		
	,00000002'		
0162	00000000'	i at 23 and j at 29 of B	0031 0052
0163	00000000'	Ac	0013 0025 0044

0200	xz6300'		0028
0201	b0119'		0154
0202	a0238'	j of B	
0203	y0146'		
0204	u0113'		
0205	b0238'	j of B	
0206	n0132'		
0207	u0063'		
0208	z0000'		
0209	b0145'	Aij	
0210	a0132'	j of A	
0211	u0215'		
	,0000003'		
0212	02000000'	1 at 6	0053
0213	00000000'		0027 0041
0214	00000000'		
0215	y0239'		
0216	b0145'	Aij	
0217	a0246'	1 at 29	
0218	h0133'		
0219	u0139'		
0220	b0154'		
0221	y0150'		
0222	u0201'		
0223	a0238'	j of B	
0224	y0146'		
0225	u0143'		
0226	xz0001'	1 at 29	
0227	z0000'		
0228	b0057'	Bo	
0229	y0150'		
0230	u0057'		
0231	b0146'	Bij	

0232	s0118'		Bo+[(ij-1) of B]	
0233	t0150'			
0234	u0209'			
	,0000001'			
0235	20000000'	1 at 2		0063
0236	h0000'		Co+[(ij) of B]	0107 0040
0237	xz0001'	1 at 29		0115 0202 0206
0238	xz0000'			0059 0223 0033
0239	p0000'		Ao+[(j-1) of A]	0124
0240	xz0000'			
0241	xz0001'	1 at 29	error halt	0105
0242	z0000'			
0243	xz0001'	1 at 29		
0244	xz0000'	i of A		0029 0036
0245	z0163'	Ao		
0246	xz0001'	1 at 29		0217
0247	s0226'	1 at 29		
0248	t0057'			
0249	u0241'		to error halt	
	.0000000'			