

```
029      55 TERPI(J)=Y(3)
030      WRITE(6,89) TERPS(J)
031      KK=K-1
032      WRITE(6,95) (Y(I),I=1,KK)
033      GO TO 67
034      57 TERPI(J)=Y(K)
035      67 CONTINUE
036      89 FORMAT (1X,'CONVERGENCE FAILED ERROR TEST AT S =',F8.3,3X,'QUADRAT
037      95 FORMAT (4X,'SUCCEEDING INTERPOLATED VALUES WERE',1X,4F10.1/(1X,8F1
038      RETURN
039      END
```

***RUN 163 1.2 MOLAR SILVER NITRATE BEXP=0.0, SMAX=6.2, BY 1'S, COMP.NO.809 *

ATOMIC WEIGHT	ATOMIC NUMBER	FORMULA	COEFFICIENT
107.870	47.0		1.00
14.007	7.0		1.00
15.999	8.0		3.00
1.008	1.0		2.00
15.999	8.0		1.00

SOLUTE		SOLVENT	
FORMULA WEIGHT	ATOMS/MOLECULE	FORMULA WEIGHT	ATOMS/MOLECULE
169.8749	5.00	18.015	3.00

MOLAR SOLUTION		MOLAL SOLUTION	
SOLUTE	SOLVENT	SOLUTE	DENSITY
GRAMS/LITER	GRAMS/LITER	GRAMS/1000	
203.8656	956.0000	1.0000	1.0000

MOLARITY CALCULATION

MOLARITY	DENSITY	MOLES OF SOLVENT
1.20009	1.15987	53.06589

TOTAL NUMBER OF MOLES PRESENT= 165.1981

MOLE FRACTIONS

0.0073
0.0073
0.0218
0.6425
0.3212

TOTAL WEIGHT OF SOLUTION= 1159.8655

WEIGHT FRACTIONS

0.1116
0.0145
0.0497
0.0922
0.7320

NUMBER DENSITY= 0.994908214E-01

RHO ZERO IS 1.4207306E 00 FOR THIS SOLUTION

WEIGHT FRACTIONS			
0.1116	0.0922	0.0145	0.7817

MOLE FRACTIONS			
0.0073	0.6425	0.0073	0.3430

25.8000
 0.3800
 0.9160
 1.3100

FMU= 4.5836

3	10.1600	0.7107	4.2000				
0	25000.0000	4.0000	38.0000	0.5000			
222.2	232.5	239.5	247.3	249.1	252.8	253.9	249.0
244.8	236.1	225.7	211.4	195.9	176.3	160.2	143.9
132.8	125.9	123.0	123.8	131.0	134.9	143.5	151.7
157.6	163.9	166.0	169.5	171.5	171.7	174.8	178.6
186.7	198.6	213.3	229.7	245.2	264.9	279.8	295.9
313.2	321.0	331.3	340.1	345.9	355.6	360.8	363.7
369.3	376.2	385.2	390.7	394.4	406.4	414.0	422.4
430.7	440.1	448.7	457.1	474.5	488.6	499.5	514.4
534.2	547.8	562.2	569.7	590.5			

MATCHING FACTOR IS 1.000000

1	0.62	1.00	42.77	6761.86
2	0.69	1.00	40.89	6466.02
3	0.77	1.00	39.73	6281.16
4	0.85	1.00	38.50	6087.46
5	0.93	0.99	38.25	6048.38
6	1.00	0.99	37.73	5965.09
7	1.08	0.99	37.60	5944.93
8	1.16	0.99	38.38	6068.25
9	1.23	0.99	39.08	6179.23
10	1.31	0.99	40.57	6414.59
11	1.39	0.99	42.49	6718.69
12	1.46	0.99	45.43	7182.87
13	1.54	0.99	49.09	7762.25
14	1.62	0.98	54.63	8638.21
15	1.69	0.98	60.22	9521.24
16	1.77	0.98	67.15	10617.10
17	1.85	0.98	72.88	11523.99
18	1.92	0.98	77.01	12176.84
19	2.00	0.98	78.97	12486.47
20	2.08	0.97	78.61	12428.95
21	2.15	0.97	74.43	11768.35
22	2.23	0.97	72.42	11450.93
23	2.31	0.97	68.22	10786.75
24	2.38	0.97	64.67	10225.32
25	2.46	0.96	62.39	9864.11
26	2.54	0.96	60.12	9506.41
27	2.61	0.96	59.50	9408.12
28	2.69	0.96	58.41	9236.00
29	2.77	0.96	57.88	9150.90
30	2.84	0.95	57.96	9163.52
31	2.92	0.95	57.08	9024.46
32	2.99	0.95	56.01	8856.04
33	3.07	0.95	53.73	8494.90
34	3.15	0.94	50.65	8008.08
35	3.22	0.94	47.29	7477.33
36	3.30	0.94	44.04	6963.58
37	3.37	0.93	41.38	6542.72
38	3.45	0.93	38.42	6074.42
39	3.52	0.93	36.48	5768.74
40	3.60	0.93	34.61	5472.06
41	3.68	0.92	32.80	5186.41
42	3.75	0.92	32.11	5077.10
43	3.83	0.92	31.22	4935.78
44	3.90	0.91	30.51	4824.53

45	3.98	0.91	30.11	4760.20
46	4.05	0.91	29.39	4646.77
47	4.13	0.90	29.07	4596.36
48	4.20	0.90	28.94	4576.50
49	4.28	0.90	28.61	4523.95
50	4.35	0.89	28.19	4457.80
51	4.43	0.89	27.64	4370.38
52	4.50	0.89	27.36	4325.71
53	4.58	0.88	27.21	4302.15
54	4.65	0.88	26.51	4191.84
55	4.72	0.88	26.13	4131.65
56	4.80	0.87	25.72	4066.21
57	4.87	0.87	25.33	4004.53
58	4.95	0.86	24.89	3935.58
59	5.02	0.86	24.52	3876.71
60	5.09	0.86	24.17	3821.99
61	5.17	0.85	23.39	3697.92
62	5.24	0.85	22.81	3607.12
63	5.32	0.85	22.42	3544.24
64	5.39	0.84	21.86	3457.16
65	5.46	0.84	21.15	3344.21
66	5.54	0.83	20.72	3276.27
67	5.61	0.83	20.28	3207.27
68	5.68	0.83	20.11	3180.04
69	5.76	0.82	19.50	3082.58

0	25000.0000	36.0000	76.5000	0.5000			
279.2	287.6	294.0	301.1	307.3	315.0	326.8	330.7
341.3	341.6	350.8	362.0	367.6	373.7	379.2	391.5
395.0	405.7	409.4	415.6	427.7	436.0	436.9	450.8
459.6	466.5	474.4	479.4	494.5	504.3	509.6	522.3
531.1	538.0	554.6	558.9	552.0	583.7	595.8	607.4
610.7	629.9	634.5	644.3	658.9	657.9	688.3	689.1
694.3	705.1	719.1	730.6	751.1	755.7	770.6	782.3
795.0	790.6	798.0	819.3	829.3	838.9	852.5	872.6
889.4	904.1	916.7	926.7	950.3	956.4	961.5	991.8
1011.3	1009.3	1017.6	1038.2	1010.2	1039.3	1085.9	1110.2
1126.1	1145.8						

MATCHING FACTOR IS 0.523515

1	5.46	0.84	21.20	3352.13
2	5.54	0.83	20.68	3269.33
3	5.61	0.83	20.32	3213.17
4	5.68	0.83	19.94	3152.27
5	5.76	0.82	19.63	3103.46
6	5.83	0.82	19.24	3042.21
7	5.90	0.81	18.64	2946.61
8	5.97	0.81	18.51	2926.19
9	6.05	0.81	18.02	2849.34
10	6.12	0.80	18.10	2861.11
11	6.19	0.80	17.71	2800.09
12	6.26	0.79	17.25	2727.19
13	6.34	0.79	17.07	2699.39
14	6.41	0.79	16.88	2669.00
15	6.48	0.78	16.72	2643.93
16	6.55	0.78	16.28	2574.18
17	6.62	0.77	16.22	2564.79
18	6.69	0.77	15.88	2510.30
19	6.77	0.77	15.82	2500.84
20	6.84	0.76	15.66	2476.69
21	6.91	0.76	15.30	2419.50
22	6.98	0.75	15.09	2386.23
23	7.05	0.75	15.14	2394.25
24	7.12	0.75	14.76	2333.00
25	7.19	0.74	14.55	2300.81
26	7.26	0.74	14.41	2279.20
27	7.33	0.73	14.25	2253.56
28	7.40	0.73	14.18	2242.37

29	7.47	0.73	13.82	2185.87
30	7.54	0.72	13.63	2155.26
31	7.61	0.72	13.56	2144.71
32	7.68	0.71	13.31	2104.18
33	7.75	0.71	13.16	2080.84
34	7.82	0.71	13.06	2065.62
35	7.89	0.70	12.74	2014.94
36	7.96	0.70	12.72	2010.63
37	8.03	0.69	12.95	2047.23
38	8.09	0.69	12.31	1946.74
39	8.16	0.69	12.13	1917.83
40	8.23	0.68	11.96	1891.69
41	8.30	0.68	11.97	1891.99
42	8.37	0.67	11.67	1844.48
43	8.44	0.67	11.65	1841.30
44	8.50	0.67	11.53	1823.34
45	8.57	0.66	11.34	1792.77
46	8.64	0.66	11.42	1805.44
47	8.71	0.66	10.97	1735.08
48	8.77	0.65	11.02	1742.59
49	8.84	0.65	11.00	1738.98
50	8.91	0.65	10.89	1721.62
51	8.97	0.64	10.73	1697.19
52	9.04	0.64	10.62	1679.43
53	9.11	0.64	10.39	1642.26
54	9.17	0.63	10.38	1640.93
55	9.24	0.63	10.23	1617.65
56	9.30	0.63	10.13	1601.77
57	9.37	0.62	10.02	1584.33
58	9.43	0.62	10.13	1601.40
59	9.50	0.62	10.09	1594.63
60	9.56	0.61	9.87	1560.96
61	9.63	0.61	9.80	1549.83
62	9.69	0.61	9.74	1539.66
63	9.76	0.60	9.63	1522.48
64	9.82	0.60	9.45	1494.54
65	9.89	0.60	9.32	1473.26
66	9.95	0.59	9.21	1456.09
67	10.01	0.59	9.12	1442.72
68	10.08	0.59	9.07	1433.66
69	10.14	0.59	8.88	1404.29
70	10.20	0.58	8.86	1401.51
71	10.27	0.58	8.86	1400.15
72	10.33	0.58	8.62	1363.09
73	10.39	0.58	8.49	1342.36
74	10.45	0.57	8.54	1350.58
75	10.52	0.57	8.51	1344.96
76	10.58	0.57	8.37	1323.41
77	10.64	0.57	8.64	1365.46
78	10.70	0.57	8.43	1332.13
79	10.76	0.56	8.09	1279.48
80	10.82	0.56	7.94	1255.88
81	10.88	0.56	7.86	1242.41
82	10.94	0.56	7.75	1225.11

1	25000.0000	77.0000	111.0000	1.0000			
1160.3	1177.0	1212.8	1233.7	1256.9	1305.1	1340.9	1370.6
1383.4	1422.7	1452.5	1479.1	1511.7	1547.4	1455.7	1601.2
1615.5	1639.8	1629.1	1650.4	1669.1	1668.4	1688.2	1707.1
1718.3	1731.8	1757.0	1775.8	1765.5	1774.9	1768.6	1783.5
1790.2	1793.2	1825.7					

MATCHING FACTOR IS 0.523515

1	11.01	0.56	7.68	1213.72
2	11.13	0.55	7.61	1203.92
3	11.25	0.55	7.43	1175.06
4	11.36	0.55	7.34	1161.28
5	11.48	0.54	7.24	1145.36

6	11.60	0.54	7.01	1107.78
7	11.71	0.54	6.85	1082.33
8	11.83	0.54	6.72	1062.42
9	11.94	0.54	6.68	1055.62
10	12.06	0.53	6.51	1028.81
11	12.17	0.53	6.38	1009.51
12	12.28	0.53	6.28	992.61
13	12.39	0.53	6.15	971.90
14	12.50	0.53	6.01	949.65
15	12.61	0.53	6.38	1009.47
16	12.72	0.53	5.80	916.64
17	12.82	0.53	5.74	907.28
18	12.93	0.53	5.64	892.12
19	13.03	0.54	5.67	895.88
20	13.14	0.54	5.58	881.70
21	13.24	0.54	5.49	868.82
22	13.34	0.54	5.48	865.80
23	13.44	0.54	5.39	851.84
24	13.54	0.55	5.30	838.28
25	13.64	0.55	5.24	828.36
26	13.74	0.55	5.17	817.13
27	13.84	0.56	5.06	800.36
28	13.93	0.56	4.97	786.60
29	14.03	0.56	4.97	785.66
30	14.12	0.57	4.91	775.69
31	14.21	0.57	4.89	772.42
32	14.30	0.58	4.80	759.73
33	14.39	0.58	4.75	750.48
34	14.48	0.59	4.70	742.66
35	14.57	0.59	4.57	722.78

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ONE DIMENSIONAL ARRAYS
OF RELATIVE INTENSITY AT CORRESPONDING S

	SVAL	RFLINT
1	0.62	6761.86
2	0.69	6466.02
3	0.77	6281.16
4	0.85	6087.46
5	0.93	6048.38
6	1.00	5965.09
7	1.08	5944.93
8	1.16	6068.25
9	1.23	6179.23
10	1.31	6414.59
11	1.39	6718.69
12	1.46	7182.87
13	1.54	7762.25
14	1.62	8638.21
15	1.69	9521.24
16	1.77	10617.10
17	1.85	11523.99
18	1.92	12176.84
19	2.00	12486.47
20	2.08	12428.95
21	2.15	11768.35
22	2.23	11450.93
23	2.31	10786.75
24	2.38	10225.32
25	2.46	9864.11
26	2.54	9506.41
27	2.61	9408.12
28	2.69	9236.00

29	2.77	9157.90
30	2.84	9163.52
31	2.92	9024.46
32	2.99	8856.04
33	3.07	8494.90
34	3.15	8008.08
35	3.22	7477.33
36	3.30	6963.58
37	3.37	6542.72
38	3.45	6074.42
39	3.52	5768.74
40	3.60	5472.06
41	3.68	5186.41
42	3.75	5077.10
43	3.83	4935.78
44	3.90	4824.53
45	3.98	4760.20
46	4.05	4646.77
47	4.13	4596.36
48	4.20	4576.50
49	4.28	4523.95
50	4.35	4457.80
51	4.43	4370.38
52	4.50	4325.71
53	4.58	4302.15
54	4.65	4191.84
55	4.72	4131.65
56	4.80	4066.21
57	4.87	4004.53
58	4.95	3935.58
59	5.02	3876.71
60	5.09	3821.99
61	5.17	3697.92
62	5.24	3607.12
63	5.32	3544.24
64	5.39	3457.16
65	5.46	3348.17
66	5.54	3272.80
67	5.61	3210.22
68	5.68	3166.15
69	5.76	3093.02
70	5.83	3042.21
71	5.90	2946.61
72	5.97	2926.19
73	6.05	2849.34
74	6.12	2861.11
75	6.19	2800.09
76	6.26	2727.19
77	6.34	2699.39
78	6.41	2669.00
79	6.48	2643.93
80	6.55	2574.18
81	6.62	2564.79
82	6.69	2510.30
83	6.77	2500.84
84	6.84	2476.69
85	6.91	2419.50
86	6.98	2386.23
87	7.05	2394.25
88	7.12	2333.00
89	7.19	2300.81
90	7.26	2279.20
91	7.33	2253.56
92	7.40	2242.37
93	7.47	2185.87
94	7.54	2155.26

95	7.61	2144.71
96	7.68	2104.18
97	7.75	2080.84
98	7.82	2065.62
99	7.89	2014.94
100	7.96	2010.63
101	8.03	2047.23
102	8.09	1946.74
103	8.16	1917.83
104	8.23	1891.69
105	8.30	1891.99
106	8.37	1844.48
107	8.44	1841.30
108	8.50	1823.34
109	8.57	1792.77
110	8.64	1805.44
111	8.71	1735.08
112	8.77	1742.59
113	8.84	1733.98
114	8.91	1721.62
115	8.97	1697.19
116	9.04	1679.43
117	9.11	1642.26
118	9.17	1640.93
119	9.24	1617.65
120	9.30	1601.77
121	9.37	1584.33
122	9.43	1601.40
123	9.50	1594.63
124	9.56	1560.96
125	9.63	1549.83
126	9.69	1539.66
127	9.76	1522.48
128	9.82	1494.54
129	9.89	1473.26
130	9.95	1456.09
131	10.01	1442.72
132	10.08	1433.66
133	10.14	1404.29
134	10.20	1401.51
135	10.27	1400.15
136	10.33	1363.09
137	10.39	1342.36
138	10.45	1350.58
139	10.52	1344.96
140	10.58	1323.41
141	10.64	1365.46
142	10.70	1332.13
143	10.76	1279.48
144	10.82	1255.88
145	10.88	1242.41
146	10.94	1225.11
147	11.01	1213.72
148	11.13	1203.92
149	11.25	1175.06
150	11.36	1161.28
151	11.48	1145.36
152	11.60	1107.78
153	11.71	1082.33
154	11.83	1062.42
155	11.94	1055.62
156	12.06	1028.81
157	12.17	1009.51
158	12.28	992.61
159	12.39	971.90
160	12.50	949.65

		161	12.61	1009.47			
		162	12.72	916.64			
		163	12.82	907.28			
		164	12.93	892.12			
		165	13.03	895.88			
		166	13.14	881.70			
		167	13.24	868.82			
		168	13.34	865.80			
		169	13.44	851.84			
		170	13.54	938.28			
		171	13.64	823.36			
		172	13.74	817.13			
		173	13.84	800.36			
		174	13.93	786.60			
		175	14.03	785.66			
		176	14.12	775.69			
		177	14.21	772.42			
		178	14.30	759.73			
		179	14.39	750.48			
		180	14.48	742.66			
		181	14.57	722.78			
0.0200	0.0	0.0500	6.2000	0.0	0.1000	8.0000	0.0

NO. OF POINTS = 14 LITS = 1

FUNCTION AT S--OUR S VALUE

0.0	0.0
7.2000	1.0000
10.2000	2.0000
13.1000	3.0000
15.8000	4.0000
18.2000	5.0000
20.6000	6.0000
22.2000	7.0000
23.5000	8.0000
24.9000	9.0000
26.5000	10.0000
27.7000	11.0000
28.6000	12.0000
29.8000	13.0000

0.6170	5.3903	0.6940	5.7445	0.7711	6.1555	0.8482	6.4786
0.9252	6.8576	1.0022	7.2067	1.0792	7.5371	1.1562	7.8413
1.2332	8.1243	1.3101	8.3052	1.3870	8.5415	1.4639	8.7673
1.5408	8.8347	1.6176	9.0646	1.6944	9.2938	1.7712	9.5223
1.8479	9.7501	1.9246	9.9772	2.0012	10.2036	2.0779	10.4294
2.1544	10.6544	2.2310	10.8787	2.3075	11.1023	2.3839	11.3252
2.4603	11.5474	2.5367	11.7813	2.6130	12.0015	2.6893	12.2203
2.7655	12.4379	2.8417	12.6541	2.9178	12.8615	2.9938	13.0821
3.0698	13.2885	3.1457	13.5060	3.2216	13.7156	3.2974	13.9240
3.3732	14.1310	3.4489	14.3367	3.5245	14.5535	3.6001	14.7561
3.6755	14.9568	3.7510	15.1556	3.8263	15.3525	3.9016	15.5342
3.9768	15.7373	4.0519	15.9245	4.1269	16.1046	4.2019	16.3087
4.2768	16.4943	4.3516	16.6780	4.4263	16.8598	4.5010	17.0023
4.5755	17.1812	4.6500	17.3599	4.7243	17.5384	4.7986	17.7167
4.8728	17.8948	4.9469	18.0726	5.0209	18.2502	5.0949	18.4276
5.1687	18.6048	5.2424	18.7817	5.3160	18.9584	5.3895	19.1348
5.4629	19.3110	5.5362	19.5864	5.6094	19.7578	5.6825	19.9248
5.7555	20.0871	5.8284	20.1882	5.9012	20.3628	5.9738	20.5372
6.0464	20.6742	6.1188	20.7901	6.1911	20.9058	6.2633	21.0989
6.3354	21.2258	6.4073	21.3483	6.4792	21.4665	6.5509	21.5185
6.6225	21.6312	6.6939	21.7421	6.7653	21.8244	6.8365	21.9383
6.9075	22.0520	6.9785	22.1655	7.0493	22.2641	7.1200	22.3559
7.1905	22.4476	7.2609	22.5391	7.3312	22.6305	7.4013	22.7577
7.4713	22.8500	7.5411	22.8910	7.6108	22.9821	7.6804	23.0845
7.7498	23.1747	7.8190	23.2647	7.8891	23.3546	7.9571	23.4442
8.0259	23.5363	8.0946	23.6324	8.1631	23.7283	8.2314	23.8240
8.2996	23.9194	8.3676	24.0030	8.4355	24.0974	8.5032	24.1795
8.5708	24.2745	8.6381	24.3703	8.7054	24.4875	8.7724	24.5814
8.8393	24.6750	8.9060	24.7684	8.9726	24.8616	9.0390	24.9623
9.1052	25.0683	9.1712	25.1739	9.2371	25.2793	9.3028	25.3844
9.3683	25.4659	9.4336	25.5692	9.4987	25.6730	9.5637	25.8511

9.6285	25.9523	9.6931	26.0090	9.7575	26.1120	9.8218	26.2148
9.8858	26.3173	9.9497	26.4194	10.0133	26.5160	10.0768	26.5922
10.1401	26.6681	10.2032	26.7438	10.2661	26.8193	10.3288	26.8946
10.3913	26.9696	10.4536	27.0939	10.5157	27.1563	10.5777	27.1932
10.6394	27.2672	10.7009	27.3410	10.7622	27.4146	10.8233	27.4879
10.8842	27.5610	10.9449	27.6338	11.0053	27.7048	11.1257	27.8131
11.2451	27.9206	11.3638	28.0274	11.4815	28.1334	11.5984	28.2385
11.7144	28.3429	11.3295	28.4465	11.9437	28.5493	12.0570	28.6684
12.1694	28.8033	12.2809	28.9370	12.3914	29.0696	12.5010	29.1636
12.6096	29.3315	12.7173	29.4607	12.8240	29.5887	12.9297	29.7156
13.0344	29.8413	13.1382	29.9658	13.2409	30.0891	13.3426	30.2111
13.4434	30.3320	13.5431	30.5773	13.6417	30.7281	13.7394	30.8801
13.8359	31.0333	13.9315	31.1876	14.0259	31.3429	14.1193	31.4990
14.2117	31.6560	14.3029	31.8136	14.3931	31.9717	14.4821	32.1304
14.5701	32.2894						

0.6170	0.0392	0.6940	0.0417	0.7711	0.0447
0.8482	0.0471	0.9252	0.0498	1.0022	0.0524
1.0792	0.0548	1.1562	0.0570	1.2332	0.0590
1.3101	0.0603	1.3870	0.0621	1.4639	0.0637
1.5408	0.0642	1.6176	0.0659	1.6944	0.0675
1.7712	0.0692	1.8479	0.0708	1.9246	0.0725
2.0012	0.0741	2.0779	0.0758	2.1544	0.0774
2.2310	0.0790	2.3075	0.0807	2.3839	0.0823
2.4603	0.0839	2.5367	0.0856	2.6130	0.0872
2.6893	0.0888	2.7655	0.0904	2.8417	0.0919
2.9178	0.0934	2.9938	0.0950	3.0698	0.0965
3.1457	0.0981	3.2216	0.0996	3.2974	0.1012
3.3732	0.1027	3.4489	0.1041	3.5245	0.1057
3.6001	0.1072	3.6755	0.1087	3.7510	0.1101
3.8263	0.1115	3.9016	0.1128	3.9768	0.1143
4.0519	0.1157	4.1269	0.1170	4.2019	0.1185
4.2768	0.1198	4.3516	0.1212	4.4263	0.1225
4.5010	0.1235	4.5755	0.1248	4.6500	0.1261
4.7243	0.1274	4.7986	0.1287	4.8728	0.1300
4.9469	0.1313	5.0209	0.1326	5.0949	0.1339
5.1687	0.1352	5.2424	0.1364	5.3160	0.1377
5.3895	0.1390	5.4629	0.1403	5.5362	0.1423
5.6094	0.1435	5.6825	0.1447	5.7555	0.1459
5.8284	0.1467	5.9012	0.1479	5.9738	0.1492
6.0464	0.1502	6.1188	0.1510	6.1911	0.1519
6.2633	0.1533	6.3354	0.1542	6.4073	0.1551
6.4792	0.1559	6.5509	0.1563	6.6225	0.1571
6.6939	0.1579	6.7653	0.1585	6.8365	0.1594
6.9075	0.1602	6.9785	0.1610	7.0493	0.1617
7.1200	0.1624	7.1905	0.1631	7.2609	0.1637
7.3312	0.1644	7.4013	0.1653	7.4713	0.1660
7.5411	0.1663	7.6108	0.1670	7.6804	0.1677
7.7498	0.1684	7.8190	0.1690	7.8881	0.1697
7.9571	0.1703	8.0259	0.1710	8.0946	0.1717
8.1631	0.1724	8.2314	0.1731	8.2996	0.1738
8.3676	0.1744	8.4355	0.1751	8.5032	0.1757
8.5708	0.1763	8.6381	0.1770	8.7054	0.1779
8.7724	0.1786	8.8393	0.1793	8.9060	0.1799
8.9726	0.1806	9.0390	0.1813	9.1052	0.1821
9.1712	0.1829	9.2371	0.1836	9.3028	0.1844
9.3683	0.1850	9.4336	0.1857	9.4987	0.1865
9.5637	0.1878	9.6285	0.1885	9.6931	0.1889
9.7575	0.1897	9.8218	0.1904	9.8858	0.1912
9.9497	0.1919	10.0133	0.1926	10.0768	0.1932
10.1401	0.1937	10.2032	0.1943	10.2661	0.1948
10.3288	0.1954	10.3913	0.1959	10.4536	0.1968
10.5157	0.1973	10.5777	0.1975	10.6394	0.1981
10.7009	0.1986	10.7622	0.1992	10.8233	0.1997
10.8842	0.2002	10.9449	0.2007	11.0053	0.2013
11.1257	0.2020	11.2451	0.2028	11.3638	0.2036
11.4815	0.2044	11.5984	0.2051	11.7144	0.2059

11.8295	0.2067	11.9437	0.2074	12.0570	0.2083
12.1694	0.2092	12.2809	0.2102	12.3914	0.2112
12.5010	0.2119	12.6096	0.2131	12.7173	0.2140
12.8240	0.2149	12.9297	0.2159	13.0344	0.2168
13.1382	0.2177	13.2409	0.2186	13.3426	0.2195
13.4434	0.2203	13.5431	0.2221	13.6417	0.2232
13.7394	0.2243	13.8359	0.2254	13.9315	0.2266
14.0259	0.2277	14.1193	0.2288	14.2117	0.2300
14.3029	0.2311	14.3931	0.2323	14.4821	0.2334
14.5701	0.2346				

NO. OF POINTS = 14 LITS = 1

FUNCTION AT S--OUR S VALUE

0.0	0.0
0.2500	1.0000
0.5600	2.0000
0.8500	3.0000
0.9400	4.0000
0.9800	5.0000
0.9900	6.0000
1.0000	7.0000
1.0000	8.0000
1.0000	9.0000
1.0000	10.0000
1.0000	11.0000
1.0000	12.0000
1.0000	13.0000

CONVERGENCE FAILED ERROR TEST AT S = 0.617				QUADRATIC VALUE ASSIGNED			
SUCCEEDING INTERPOLATED VALUES WERE				0.3	0.2	0.1	0.1
0.1	0.2	0.2	0.2	0.2	0.2	0.3	0.3
0.4	0.4						
0.6170	0.1472	0.6940	0.1661	0.7711	0.1846	0.8482	0.2082
0.9252	0.2292	1.0022	0.2507	1.0792	0.2724	1.1562	0.2945
1.2332	0.3169	1.3101	0.3397	1.3870	0.3629	1.4639	0.3864
1.5408	0.4201	1.6176	0.4438	1.6944	0.4674	1.7712	0.4908
1.8479	0.5141	1.9246	0.5373	2.0012	0.5604	2.0779	0.5833
2.1544	0.6061	2.2310	0.6288	2.3075	0.6513	2.3839	0.6737
2.4603	0.6960	2.5367	0.7296	2.6130	0.7516	2.6893	0.7729
2.7655	0.7933	2.8417	0.8174	2.9178	0.8337	2.9938	0.8482
3.0698	0.8563	3.1457	0.8631	3.2216	0.8872	3.2974	0.8909
3.3732	0.8989	3.4489	0.9062	3.5245	0.9034	3.6001	0.9100
3.6755	0.9163	3.7510	0.9223	3.8263	0.9244	3.9016	0.9311
3.9768	0.9379	4.0519	0.9421	4.1269	0.9451	4.2019	0.9481
4.2768	0.9511	4.3516	0.9541	4.4263	0.9571	4.5010	0.9638
4.5755	0.9630	4.6500	0.9660	4.7243	0.9690	4.7986	0.9719
4.8728	0.9749	4.9469	0.9779	5.0209	0.9802	5.0949	0.9809
5.1687	0.9817	5.2424	0.9824	5.3160	0.9832	5.3895	0.9839
5.4629	0.9846	5.5362	0.9854	5.6094	0.9861	5.6825	0.9868
5.7555	0.9876	5.8284	0.9883	5.9012	0.9890	5.9738	0.9897
6.0464	0.9905	6.1188	0.9912	6.1911	0.9919	6.2633	0.9926
6.3354	0.9934	6.4073	0.9941	6.4792	0.9948	6.5509	0.9955
6.6225	0.9962	6.6939	0.9969	6.7653	0.9977	6.8365	0.9984
6.9075	0.9991	6.9785	0.9998	7.0493	1.0000	7.1200	1.0000
7.1905	1.0000	7.2609	1.0000	7.3312	1.0000	7.4013	1.0000
7.4713	1.0000	7.5411	1.0000	7.6108	1.0000	7.6804	1.0000
7.7498	1.0000	7.8190	1.0000	7.8881	1.0000	7.9571	1.0000
8.0259	1.0000	8.0946	1.0000	8.1631	1.0000	8.2314	1.0000
8.2996	1.0000	8.3676	1.0000	8.4355	1.0000	8.5032	1.0000

8.5708	1.0000	8.6381	1.0000	8.7054	1.0000	8.7724	1.0000
8.8393	1.0000	8.9060	1.0000	8.9726	1.0000	9.0390	1.0000
9.1052	1.0000	9.1712	1.0000	9.2371	1.0000	9.3028	1.0000
9.3683	1.0000	9.4336	1.0000	9.4987	1.0000	9.5637	1.0000
9.6285	1.0000	9.6931	1.0000	9.7575	1.0000	9.8218	1.0000
9.8858	1.0000	9.9497	1.0000	10.0133	1.0000	10.0768	1.0000
10.1401	1.0000	10.2032	1.0000	10.2661	1.0000	10.3288	1.0000
10.3913	1.0000	10.4536	1.0000	10.5157	1.0000	10.5777	1.0000
10.6394	1.0000	10.7009	1.0000	10.7622	1.0000	10.8233	1.0000
10.8842	1.0000	10.9449	1.0000	11.0053	1.0000	11.1257	1.0000
11.2451	1.0000	11.3638	1.0000	11.4815	1.0000	11.5984	1.0000
11.7144	1.0000	11.8295	1.0000	11.9437	1.0000	12.0570	1.0000
12.1694	1.0000	12.2809	1.0000	12.3914	1.0000	12.5010	1.0000
12.6096	1.0000	12.7173	1.0000	12.8240	1.0000	12.9297	1.0000
13.0344	1.0000	13.1382	1.0000	13.2409	1.0000	13.3426	1.0000
13.4434	1.0000	13.5431	1.0000	13.6417	1.0000	13.7394	1.0000
13.8359	1.0000	13.9315	1.0000	14.0259	1.0000	14.1193	1.0000
14.2117	1.0000	14.3029	1.0000	14.3931	1.0000	14.4821	1.0000
14.5701	1.0000						

0.6170	0.1337	0.6940	0.1484	0.7711	0.1633
0.8482	0.1808	0.9252	0.1971	1.0022	0.2134
1.0792	0.2297	1.1562	0.2461	1.2332	0.2626
1.3101	0.2786	1.3870	0.2952	1.4639	0.3119
1.5408	0.3341	1.6176	0.3510	1.6944	0.3678
1.7712	0.3845	1.8479	0.4011	1.9246	0.4177
2.0012	0.4341	2.0779	0.4505	2.1544	0.4668
2.2310	0.4830	2.3075	0.4991	2.3839	0.5151
2.4603	0.5310	2.5367	0.5543	2.6130	0.5701
2.6893	0.5853	2.7655	0.6000	2.8417	0.6171
2.9178	0.6290	2.9938	0.6400	3.0698	0.6467
3.1457	0.6526	3.2216	0.6696	3.2974	0.6735
3.3732	0.6802	3.4489	0.6863	3.5245	0.6861
3.6001	0.6918	3.6755	0.6973	3.7510	0.7026
3.8263	0.7054	3.9016	0.7111	3.9768	0.7169
4.0519	0.7209	4.1269	0.7242	4.2019	0.7276
4.2768	0.7308	4.3516	0.7341	4.4263	0.7373
4.5010	0.7427	4.5755	0.7435	4.6500	0.7467
4.7243	0.7499	4.7986	0.7531	4.8728	0.7563
4.9469	0.7595	5.0209	0.7623	5.0949	0.7641
5.1687	0.7658	5.2424	0.7676	5.3160	0.7694
5.3895	0.7711	5.4629	0.7729	5.5362	0.7753
5.6094	0.7770	5.6825	0.7787	5.7555	0.7804
5.8284	0.7816	5.9012	0.7833	5.9738	0.7851
6.0464	0.7865	6.1183	0.7878	6.1911	0.7891
6.2633	0.7910	6.3354	0.7924	6.4073	0.7937
6.4792	0.7951	6.5509	0.7959	6.6225	0.7972
6.6939	0.7984	6.7653	0.7995	6.8365	0.8008
6.9075	0.8021	6.9785	0.8033	7.0493	0.8042
7.1200	0.8049	7.1905	0.8055	7.2609	0.8062
7.3312	0.8069	7.4013	0.8078	7.4713	0.8084
7.5411	0.8087	7.6108	0.8094	7.6804	0.8101
7.7498	0.8108	7.8190	0.8115	7.8881	0.8121
7.9571	0.8128	8.0259	0.8134	8.0946	0.8141
8.1631	0.8148	8.2314	0.8155	8.2996	0.8162
8.3676	0.8168	8.4355	0.8175	8.5032	0.8181
8.5708	0.8188	8.6381	0.8195	8.7054	0.8203
8.7724	0.8210	8.8393	0.8217	8.9060	0.8224
8.9726	0.8231	9.0390	0.8238	9.1052	0.8246
9.1712	0.8253	9.2371	0.8261	9.3028	0.8269
9.3683	0.8275	9.4336	0.8282	9.4987	0.8290
9.5637	0.8302	9.6285	0.8310	9.6931	0.8314
9.7575	0.8321	9.8218	0.8329	9.8858	0.8336
9.9497	0.8344	10.0133	0.8351	10.0768	0.8356
10.1401	0.8362	10.2032	0.8367	10.2661	0.8373
10.3288	0.8378	10.3913	0.8384	10.4536	0.8393
10.5157	0.8397	10.5777	0.8400	10.6394	0.8405

10.7009	0.8411	10.7622	0.8416	10.8233	0.8421
10.8842	0.8427	10.9449	0.8432	11.0053	0.8437
11.1257	0.8445	11.2451	0.8453	11.3638	0.8461
11.4815	0.8468	11.5984	0.8476	11.7144	0.8484
11.8295	0.8491	11.9437	0.8498	12.0570	0.8507
12.1694	0.8517	12.2809	0.8527	12.3914	0.8536
12.5010	0.8543	12.6096	0.8555	12.7173	0.8565
12.8240	0.8574	12.9297	0.8583	13.0344	0.8592
13.1382	0.8601	13.2409	0.8610	13.3426	0.8619
13.4434	0.8628	13.5431	0.8646	13.6417	0.8657
13.7394	0.8668	13.8359	0.8679	13.9315	0.8690
14.0259	0.8701	14.1193	0.8713	14.2117	0.8724
14.3029	0.8736	14.3931	0.8747	14.4821	0.8759
14.5701	0.8770				

NO. OF POINTS = 10 LITS = 0

FUNCTION AT S--OUR S VALUE

0.0	0.0
1.0500	1.2566
2.8240	2.5133
4.0750	3.7699
4.7800	5.0265
5.1770	6.2832
5.4380	7.5398
5.6390	8.7964
5.9700	11.3097
6.2470	13.8230

0.6170	0.2513	0.6940	0.3303	0.7711	0.4143	0.8482	0.5078
0.9252	0.6021	1.0022	0.7058	1.0792	0.8140	1.1562	0.9230
1.2332	1.0304	1.3101	1.1107	1.3870	1.2217	1.4639	1.3411
1.5408	1.4518	1.6176	1.5632	1.6944	1.6752	1.7712	1.7873
1.8479	1.8992	1.9246	2.0106	2.0012	2.1213	2.0779	2.2309
2.1544	2.3392	2.2310	2.4710	2.3075	2.5693	2.3839	2.6656
2.4603	2.7598	2.5367	2.8473	2.6130	2.9424	2.6893	3.0307
2.7655	3.1170	2.8417	3.2014	2.9178	3.2838	2.9938	3.3641
3.0698	3.4426	3.1457	3.5219	3.2216	3.5963	3.2974	3.6687
3.3732	3.7390	3.4489	3.8073	3.5245	3.8736	3.6001	3.9378
3.6755	4.0000	3.7510	4.0561	3.8263	4.1066	3.9016	4.1489
3.9768	4.2286	4.0519	4.2807	4.1269	4.3308	4.2019	4.3789
4.2768	4.4251	4.3516	4.4692	4.4263	4.4817	4.5010	4.5226
4.5755	4.5624	4.6500	4.6011	4.7243	4.6386	4.7986	4.6750
4.8728	4.6938	4.9469	4.7353	5.0209	4.7769	5.0949	4.8016
5.1687	4.8249	5.2424	4.8482	5.3160	4.8714	5.3895	4.9263
5.4629	4.9528	5.5362	4.9782	5.6094	5.0024	5.6825	5.0042
5.7555	5.0769	5.8284	5.0490	5.9012	5.0707	5.9738	5.0793
6.0464	5.1022	6.1188	5.1251	6.1911	5.1479	6.2633	5.1707
6.3354	5.1878	6.4073	5.2028	6.4792	5.2177	6.5509	5.2326
6.6225	5.2475	6.6939	5.2623	6.7653	5.2771	6.8365	5.3087
6.9075	5.3237	6.9785	5.3288	7.0493	5.3361	7.1200	5.3508
7.1905	5.3654	7.2609	5.3801	7.3312	5.3947	7.4013	5.4092
7.4713	5.4238	7.5411	5.4382	7.6108	5.4494	7.6804	5.4605
7.7498	5.4715	7.8190	5.4827	7.8881	5.4937	7.9571	5.5047
8.0259	5.5157	8.0946	5.5267	8.1631	5.5377	8.2314	5.5486
8.2996	5.5595	8.3676	5.5704	8.4355	5.5813	8.5032	5.5921
8.5708	5.6029	8.6381	5.6137	8.7054	5.6244	8.7724	5.6352
8.8393	5.6459	8.9060	5.6565	8.9726	5.6672	9.0390	5.6778
9.1052	5.6884	9.1712	5.6989	9.2371	5.7095	9.3028	5.7200
9.3683	5.7305	9.4336	5.7229	9.4987	5.7315	9.5637	5.7400
9.6285	5.7486	9.6931	5.7679	9.7575	5.7768	9.8218	5.7855
9.8858	5.7941	9.9497	5.8026	10.0133	5.8111	10.0768	5.8195
10.1401	5.8277	10.2032	5.8359	10.2661	5.8441	10.3288	5.8521
10.3913	5.8600	10.4536	5.8573	10.5157	5.8654	10.5777	5.8736
10.6394	5.8817	10.7009	5.8898	10.7622	5.8979	10.8233	5.9059
10.8842	5.9140	10.9449	5.9219	11.0053	5.9299	11.1257	5.9458
11.2451	5.9615	11.3638	5.9760	11.4815	5.9889	11.5984	6.0018
11.7144	6.0146	11.8295	6.0273	11.9437	6.0399	12.0570	6.0527

12.1694	6.0647	12.2809	6.0770	12.3914	6.0892	12.5010	6.1080
12.6096	6.1200	12.7173	6.1251	12.8240	6.1369	12.9297	6.1485
13.0344	6.1601	13.1382	6.1715	13.2409	6.1828	13.3426	6.1941
13.4434	6.2052	13.5431	6.2161	13.6417	6.2270	13.7394	6.2378
13.8359	6.2484	13.9315	6.2590	14.0259	6.2694	14.1193	6.2797
14.2117	6.2898	14.3029	6.2999	14.3931	6.3098	14.4821	6.3196
14.5701	6.3293						
0.6170	0.1355	0.6940	0.1508	0.7711	0.1663		
0.8482	0.1845	0.9252	0.2015	1.0022	0.2185		
1.0792	0.2357	1.1562	0.2529	1.2332	0.2701		
1.3101	0.2867	1.3870	0.3040	1.4639	0.3216		
1.5408	0.3446	1.6176	0.3623	1.6944	0.3800		
1.7712	0.3975	1.8479	0.4149	1.9246	0.4323		
2.0012	0.4495	2.0779	0.4667	2.1544	0.4838		
2.2310	0.5009	2.3075	0.5177	2.3839	0.5345		
2.4603	0.5511	2.5367	0.5750	2.6130	0.5914		
2.6893	0.6073	2.7655	0.6227	2.8417	0.6403		
2.9178	0.6529	2.9938	0.6644	3.0698	0.6717		
3.1457	0.6782	3.2216	0.6957	3.2974	0.7002		
3.3732	0.7073	3.4489	0.7140	3.5245	0.7143		
3.6001	0.7204	3.6755	0.7264	3.7510	0.7321		
3.8263	0.7352	3.9016	0.7412	3.9768	0.7476		
4.0519	0.7520	4.1269	0.7556	4.2019	0.7594		
4.2768	0.7630	4.3516	0.7666	4.4263	0.7699		
4.5010	0.7756	4.5755	0.7767	4.6500	0.7801		
4.7243	0.7836	4.7986	0.7871	4.8728	0.7904		
4.9469	0.7939	5.0209	0.7970	5.0949	0.7990		
5.1687	0.8009	5.2424	0.8028	5.3160	0.8047		
5.3895	0.8069	5.4629	0.8088	5.5362	0.8115		
5.6094	0.8134	5.6825	0.8151	5.7555	0.8169		
5.8284	0.8183	5.9012	0.8202	5.9738	0.8220		
6.0464	0.8236	6.1188	0.8251	6.1911	0.8265		
6.2633	0.8286	6.3354	0.8301	6.4073	0.8315		
6.4792	0.8330	6.5509	0.8339	6.6225	0.8353		
6.6939	0.8367	6.7653	0.8378	6.8365	0.8393		
6.9075	0.8407	6.9785	0.8420	7.0493	0.8430		
7.1200	0.8437	7.1905	0.8445	7.2609	0.8453		
7.3312	0.8460	7.4013	0.8471	7.4713	0.8478		
7.5411	0.8483	7.6108	0.8490	7.6804	0.8498		
7.7498	0.8506	7.8190	0.8513	7.8881	0.8520		
7.9571	0.8528	8.0259	0.8535	8.0946	0.8543		
8.1631	0.8551	8.2314	0.8558	8.2996	0.8566		
8.3676	0.8573	8.4355	0.8581	8.5032	0.8587		
8.5708	0.8595	8.6381	0.8603	8.7054	0.8612		
8.7724	0.8620	8.8393	0.8627	8.9060	0.8635		
8.9726	0.8642	9.0390	0.8650	9.1052	0.8659		
9.1712	0.8667	9.2371	0.8676	9.3028	0.8684		
9.3683	0.8691	9.4336	0.8698	9.4987	0.8706		
9.5637	0.8719	9.6285	0.8727	9.6931	0.8733		
9.7575	0.8741	9.8218	0.8749	9.8858	0.8757		
9.9497	0.8765	10.0133	0.8773	10.0768	0.8779		
10.1401	0.8785	10.2032	0.8791	10.2661	0.8797		
10.3288	0.8803	10.3913	0.8809	10.4536	0.8818		
10.5157	0.8823	10.5777	0.8827	10.6394	0.8833		
10.7009	0.8839	10.7622	0.8845	10.8233	0.8850		
10.8842	0.8856	10.9449	0.8862	11.0053	0.8868		
11.1257	0.8877	11.2451	0.8886	11.3638	0.8895		
11.4815	0.8903	11.5984	0.8912	11.7144	0.8920		
11.8295	0.8929	11.9437	0.8937	12.0570	0.8947		
12.1694	0.8958	12.2809	0.8968	12.3914	0.8979		
12.5010	0.8987	12.6096	0.9000	12.7173	0.9010		
12.8240	0.9020	12.9297	0.9030	13.0344	0.9040		
13.1382	0.9050	13.2409	0.9060	13.3426	0.9069		
13.4434	0.9079	13.5431	0.9097	13.6417	0.9109		
13.7394	0.9121	13.8359	0.9133	13.9315	0.9145		
14.0259	0.9157	14.1193	0.9169	14.2117	0.9181		

NO. OF POINTS = 10 LITS = 0

FUNCTION AT S--OUR S VALUE

0.0	0.0
0.9700	1.2566
2.7970	2.5133
4.3050	3.7699
5.2710	5.0265
5.8410	6.2832
6.1850	7.5398
6.4170	8.7964
6.7580	11.3097
7.0360	13.8230

0.6170	0.2369	0.6940	0.3057	0.7711	0.3813	0.8482	0.4627
0.9252	0.5520	1.0022	0.6427	1.0792	0.7422	1.1562	0.8454
1.2332	0.9519	1.3101	1.0303	1.3870	1.1398	1.4639	1.2555
1.5408	1.3653	1.6176	1.4766	1.6944	1.5892	1.7712	1.7028
1.8479	1.8169	1.9246	1.9314	2.0012	2.0911	2.0779	2.2001
2.1544	2.3078	2.2310	2.4144	2.3075	2.5197	2.3839	2.6237
2.4603	2.7265	2.5367	2.8251	2.6130	2.9284	2.6893	3.0274
2.7655	3.1253	2.8417	3.2219	2.9178	3.3172	2.9938	3.4113
3.0698	3.5042	3.1457	3.6237	3.2216	3.7137	3.2974	3.8016
3.3732	3.8875	3.4489	3.9713	3.5245	4.0531	3.6001	4.1328
3.6755	4.2106	3.7510	4.2823	3.8263	4.3483	3.9016	4.4316
3.9768	4.5013	4.0519	4.5689	4.1269	4.6346	4.2019	4.6982
4.2768	4.7599	4.3516	4.8195	4.4263	4.8590	4.5010	4.9151
4.5755	4.9698	4.6500	5.0231	4.7243	5.0749	4.7986	5.1252
4.8728	5.1741	4.9469	5.2098	5.0209	5.2667	5.0949	5.3020
5.1687	5.3355	5.2424	5.3689	5.3160	5.4374	5.3895	5.4763
5.4629	5.5138	5.5362	5.5499	5.6094	5.5846	5.6825	5.5968
5.7555	5.6292	5.8284	5.6608	5.9012	5.6916	5.9738	5.7217
6.0464	5.7336	6.1188	5.7664	6.1911	5.7992	6.2633	5.8320
6.3354	5.8553	6.4073	5.8750	6.4792	5.8947	6.5509	5.9143
6.6225	5.9339	6.6939	5.9534	6.7653	5.9997	6.8365	6.0203
6.9075	6.0402	6.9785	6.0452	7.0493	6.0640	7.1200	6.0701
7.1905	6.0894	7.2609	6.1086	7.3312	6.1279	7.4013	6.1471
7.4713	6.1662	7.5411	6.1852	7.6108	6.1981	7.6804	6.2109
7.7498	6.2238	7.8190	6.2365	7.8881	6.2493	7.9571	6.2620
8.0259	6.2747	8.0946	6.2874	8.1631	6.3001	8.2314	6.3127
8.2996	6.3253	8.3676	6.3378	8.4355	6.3504	8.5032	6.3629
8.5708	6.3753	8.6381	6.3878	8.7054	6.4002	8.7724	6.4126
8.8393	6.4249	8.9060	6.4372	8.9726	6.4495	9.0390	6.4618
9.1052	6.4740	9.1712	6.4862	9.2371	6.4983	9.3028	6.5105
9.3683	6.5226	9.4336	6.5034	9.4987	6.5123	9.5637	6.5211
9.6285	6.5299	9.6931	6.5387	9.7575	6.5668	9.8218	6.5759
9.8858	6.5849	9.9497	6.5938	10.0133	6.6026	10.0768	6.6112
10.1401	6.6197	10.2032	6.6281	10.2661	6.6363	10.3288	6.6249
10.3913	6.6334	10.4536	6.6418	10.5157	6.6503	10.5777	6.6587
10.6394	6.6670	10.7009	6.6754	10.7622	6.6837	10.8233	6.6920
10.8842	6.7003	10.9449	6.7095	11.0053	6.7167	11.1257	6.7330
11.2451	6.7492	11.3638	6.7640	11.4815	6.7770	11.5984	6.7899
11.7144	6.8028	11.8295	6.8155	11.9437	6.8281	12.0570	6.8407

12.1694	6.8531	12.2809	6.8654	12.3914	6.8776	12.5010	6.8898
12.6096	6.9018	12.7173	6.9137	12.8240	6.9255	12.9297	6.9372
13.0344	6.9488	13.1382	6.9602	13.2409	6.9716	13.3426	6.9829
13.4434	6.9940	13.5431	7.0050	13.6417	7.0159	13.7394	7.0267
13.8359	7.0374	13.9315	7.0480	14.0259	7.0584	14.1193	7.0688
14.2117	7.0790	14.3029	7.0891	14.3931	7.0991	14.4821	7.1089
14.5701	7.1186						
0.6170	0.2168	0.6940	0.2557	0.7711	0.2971		
0.8482	0.3432	0.9252	0.3908	1.0022	0.4390		
1.0792	0.4903	1.1562	0.5428	1.2332	0.5966		
1.3101	0.6401	1.3870	0.6950	1.4639	0.7523		
1.5408	0.8129	1.6176	0.8689	1.6944	0.9251		
1.7712	0.9816	1.8479	1.0382	1.9246	1.0948		
2.0012	1.1668	2.0779	1.2214	2.1544	1.2754		
2.2310	1.3291	2.3075	1.3820	2.3839	1.4344		
2.4603	1.4863	2.5367	1.5441	2.6130	1.5959		
2.6893	1.6458	2.7655	1.6947	2.8417	1.7455		
2.9178	1.7908	2.9938	1.8346	3.0698	1.8737		
3.1457	1.9212	3.2216	1.9696	3.2974	2.0042		
3.3732	2.0408	3.4489	2.0762	3.5245	2.1046		
3.6001	2.1381	3.6755	2.1707	3.7510	2.2010		
3.8263	2.2268	3.9016	2.2613	3.9768	2.2916		
4.0519	2.3193	4.1269	2.3454	4.2019	2.3710		
4.2768	2.3957	4.3516	2.4198	4.4263	2.4366		
4.5010	2.4615	4.5755	2.4814	4.6500	2.5032		
4.7243	2.5244	4.7986	2.5451	4.8728	2.5652		
4.9469	2.5810	5.0209	2.6036	5.0949	2.6176		
5.1687	2.6311	5.2424	2.6445	5.3160	2.6699		
5.3895	2.6854	5.4629	2.7002	5.5362	2.7152		
5.6094	2.7290	5.6825	2.7349	5.7555	2.7478		
5.8284	2.7600	5.9012	2.7725	5.9738	2.7846		
6.0464	2.7903	6.1188	2.8031	6.1911	2.8158		
6.2633	2.8290	6.3354	2.8385	6.4073	2.8468		
6.4792	2.8549	6.5509	2.8626	6.6225	2.8707		
6.6939	2.8788	6.7653	2.8958	6.8365	2.9044		
6.9075	2.9126	6.9785	2.9157	7.0493	2.9230		
7.1200	2.9259	7.1905	2.9333	7.2609	2.9407		
7.3312	2.9480	7.4013	2.9556	7.4713	2.9630		
7.5411	2.9699	7.6108	2.9751	7.6804	2.9803		
7.7498	2.9854	7.8190	2.9905	7.8881	2.9957		
7.9571	3.0008	8.0259	3.0059	8.0946	3.0110		
8.1631	3.0161	8.2314	3.0212	8.2996	3.0263		
8.3676	3.0313	8.4355	3.0363	8.5032	3.0413		
8.5708	3.0464	8.6381	3.0514	8.7054	3.0566		
8.7724	3.0616	8.8393	3.0666	8.9060	3.0716		
8.9726	3.0765	9.0390	3.0816	9.1052	3.0866		
9.1712	3.0916	9.2371	3.0966	9.3028	3.1016		
9.3683	3.1064	9.4336	3.1006	9.4987	3.1044		
9.5637	3.1088	9.6285	3.1126	9.6931	3.1162		
9.7575	3.1266	9.8218	3.1306	9.8858	3.1345		
9.9497	3.1383	10.0133	3.1421	10.0768	3.1457		
10.1401	3.1492	10.2032	3.1527	10.2661	3.1561		
10.3238	3.1528	10.3913	3.1563	10.4536	3.1601		
10.5157	3.1635	10.5777	3.1667	10.6394	3.1702		
10.7009	3.1736	10.7622	3.1771	10.8233	3.1805		
10.8842	3.1839	10.9449	3.1874	11.0053	3.1907		
11.1257	3.1972	11.2451	3.2037	11.3638	3.2096		
11.4815	3.2150	11.5984	3.2203	11.7144	3.2255		
11.8295	3.2307	11.9437	3.2359	12.0570	3.2412		
12.1694	3.2465	12.2809	3.2518	12.3914	3.2570		
12.5010	3.2620	12.6096	3.2674	12.7173	3.2725		
12.8240	3.2776	12.9297	3.2826	13.0344	3.2875		
13.1382	3.2925	13.2409	3.2973	13.3426	3.3022		
13.4434	3.3070	13.5431	3.3126	13.6417	3.3175		
13.7394	3.3224	13.8359	3.3273	13.9315	3.3321		
14.0259	3.3369	14.1193	3.3416	14.2117	3.3463		

NO. OF POINTS = 10 LITS = 0

FUNCTION AT S--OUR S VALUE

0.6350	0.0
0.5860	1.2566
0.5430	2.5133
0.4980	3.7699
0.4460	5.0265
0.3920	6.2832
0.3630	7.5398
0.2930	8.7964
0.1960	11.3097
0.1230	13.8230

CONVERGENCE FAILED ERROR TEST AT S = 9.629	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.3	0.3
0.2 0.2 0.2 0.2	0.2	0.2	0.2
CONVERGENCE FAILED ERROR TEST AT S = 9.693	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.3	0.3
0.2 0.2 0.2 0.2	0.2	0.2	0.2
CONVERGENCE FAILED ERROR TEST AT S = 9.758	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.3	0.2
0.2 0.2 0.2 0.2	0.2	0.2	0.2
CONVERGENCE FAILED ERROR TEST AT S = 9.822	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.3	0.2
0.2 0.2 0.2 0.2	0.2	0.2	0.2
CONVERGENCE FAILED ERROR TEST AT S = 9.886	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.3	0.2
0.2 0.2 0.2 0.2	0.2	0.1	0.2
CONVERGENCE FAILED ERROR TEST AT S = 9.950	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.2	0.2
0.2 0.2 0.2 0.2	0.2	0.1	0.2
CONVERGENCE FAILED ERROR TEST AT S = 10.013	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.3	0.2	0.2
0.2 0.2 0.2 0.2	0.2	0.1	0.2
CONVERGENCE FAILED ERROR TEST AT S = 14.303	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.1	0.1	0.1
0.1 -0.0 -0.3 -0.8	-1.8	-3.4	0.1
CONVERGENCE FAILED ERROR TEST AT S = 14.393	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.1	0.1	0.1
0.1 -0.1 -0.4 -1.0	-2.3	-4.5	0.1
CONVERGENCE FAILED ERROR TEST AT S = 14.482	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.1	0.1	0.1
0.1 -0.1 -0.5 -1.3	-3.0	-5.8	0.1
CONVERGENCE FAILED ERROR TEST AT S = 14.570	QUADRATIC VALUE	ASSIGNED	
SUCCEEDING INTERPOLATED VALUES WERE	0.1	0.1	0.1
0.0 -0.1 -0.6 -1.7	-3.7	-7.2	0.1

0.6170	0.6102	0.6940	0.6072	0.7711	0.6042	0.8482	0.6013
0.9252	0.5983	1.0022	0.5959	1.0792	0.5929	1.1562	0.5899
1.2332	0.5869	1.3101	0.5842	1.3870	0.5815	1.4639	0.5789
1.5408	0.5763	1.6176	0.5730	1.6944	0.5703	1.7712	0.5677
1.8479	0.5650	1.9246	0.5634	2.0012	0.5608	2.0779	0.5581
2.1544	0.5555	2.2310	0.5527	2.3075	0.5500	2.3839	0.5474

2.4603	0.5448	2.5367	0.5422	2.5394	0.5394	2.6893	0.5367
2.7655	0.5340	2.8417	0.5314	2.9178	0.5287	2.9938	0.5260
3.0698	0.5233	3.1457	0.5212	3.2216	0.5185	3.2974	0.5157
3.3732	0.5130	3.4489	0.5102	3.5245	0.5068	3.6001	0.5041
3.6755	0.5014	3.7510	0.4987	3.8263	0.4957	3.9016	0.4926
3.9768	0.4894	4.0519	0.4869	4.1269	0.4839	4.2019	0.4809
4.2768	0.4779	4.3516	0.4748	4.4263	0.4711	4.5010	0.4680
4.5755	0.4649	4.6500	0.4618	4.7243	0.4587	4.7986	0.4556
4.8728	0.4524	4.9469	0.4493	5.0209	0.4462	5.0949	0.4431
5.1687	0.4399	5.2424	0.4369	5.3160	0.4337	5.3895	0.4306
5.4629	0.4275	5.5362	0.4243	5.6094	0.4212	5.6825	0.4147
5.7555	0.4116	5.8284	0.4087	5.9012	0.4058	5.9738	0.4030
6.0464	0.4003	6.1188	0.3991	6.1911	0.3960	6.2633	0.3929
6.3354	0.3908	6.4073	0.3891	6.4792	0.3875	6.5509	0.3858
6.6225	0.3842	6.6939	0.3798	6.7653	0.3779	6.8365	0.3762
6.9075	0.3745	6.9785	0.3810	7.0493	0.3792	7.1200	0.3772
7.1905	0.3752	7.2609	0.3694	7.3312	0.3678	7.4013	0.3662
7.4713	0.3646	7.5411	0.3629	7.6108	0.3590	7.6804	0.3572
7.7498	0.3542	7.8190	0.3510	7.8831	0.3477	7.9571	0.3443
8.0259	0.3408	8.0946	0.3372	8.1631	0.3334	8.2314	0.3295
8.2996	0.3256	8.3676	0.3215	8.4355	0.3173	8.5032	0.3130
8.5708	0.3086	8.6381	0.3041	8.7054	0.2981	8.7724	0.2943
8.8393	0.2906	8.9060	0.2876	8.9726	0.2843	9.0390	0.2811
9.1052	0.2780	9.1712	0.2749	9.2371	0.2718	9.3028	0.2688
9.3683	0.2659	9.4336	0.2588	9.4987	0.2556	9.5637	0.2525
9.6285	0.2545	9.6931	0.2518	9.7575	0.2491	9.8218	0.2465
9.8858	0.2439	9.9497	0.2414	10.0133	0.2389	10.0768	0.2381
10.1401	0.2357	10.2032	0.2334	10.2661	0.2311	10.3288	0.2288
10.3913	0.2266	10.4536	0.2243	10.5157	0.2222	10.5777	0.2200
10.6394	0.2179	10.7009	0.2173	10.7622	0.2151	10.8233	0.2129
10.8842	0.2107	10.9449	0.2086	11.0053	0.2065	11.1257	0.2023
11.2451	0.1985	11.3638	0.1944	11.4815	0.1902	11.5984	0.1864
11.7144	0.1826	11.8295	0.1789	11.9437	0.1753	12.0570	0.1718
12.1694	0.1683	12.2809	0.1649	12.3914	0.1616	12.5010	0.1584
12.6096	0.1552	12.7173	0.1522	12.8240	0.1491	12.9297	0.1462
13.0344	0.1433	13.1382	0.1405	13.2409	0.1378	13.3426	0.1351
13.4434	0.1325	13.5431	0.1299	13.6417	0.1275	13.7394	0.1254
13.8359	0.1226	13.9315	0.1204	14.0259	0.1182	14.1193	0.1160
14.2117	0.1139	14.3029	0.1118	14.3931	0.1098	14.4821	0.1078
14.5701	0.1059						

0.6170	0.1323	0.6940	0.1553	0.7711	0.1795
0.8482	0.2064	0.9252	0.2338	1.0022	0.2616
1.0792	0.2907	1.1562	0.3202	1.2332	0.3502
1.3101	0.3739	1.3870	0.4042	1.4639	0.4355
1.5408	0.4685	1.6176	0.4979	1.6944	0.5276
1.7712	0.5572	1.8479	0.5866	1.9246	0.6168
2.0012	0.6543	2.0779	0.6817	2.1544	0.7085
2.2310	0.7345	2.3075	0.7602	2.3839	0.7852
2.4603	0.8098	2.5367	0.8371	2.6130	0.8609
2.6893	0.8833	2.7655	0.9049	2.8417	0.9276
2.9178	0.9468	2.9938	0.9650	3.0698	0.9805
3.1457	1.0014	3.2216	1.0212	3.2974	1.0336
3.3732	1.0469	3.4489	1.0592	3.5245	1.0666
3.6001	1.0778	3.6755	1.0883	3.7510	1.0976
3.8263	1.1037	3.9016	1.1138	3.9768	1.1216
4.0519	1.1293	4.1269	1.1350	4.2019	1.1402
4.2768	1.1448	4.3516	1.1489	4.4263	1.1479
4.5010	1.1520	4.5755	1.1536	4.6500	1.1559
4.7243	1.1579	4.7986	1.1595	4.8728	1.1604
4.9469	1.1596	5.0209	1.1618	5.0949	1.1598
5.1687	1.1574	5.2424	1.1553	5.3160	1.1580
5.3895	1.1563	5.4629	1.1543	5.5362	1.1522
5.6094	1.1495	5.6825	1.1341	5.7555	1.1311
5.8284	1.1279	5.9012	1.1250	5.9738	1.1221
6.0464	1.1169	6.1188	1.1186	6.1911	1.1149
6.2633	1.1114	6.3354	1.1093	6.4073	1.1078

6.4792	1.1062	6.5509	1.1045	6.6225	1.1028
6.6939	1.0933	6.7653	1.0944	6.8365	1.0925
6.9075	1.0907	6.9785	1.1109	7.0493	1.1084
7.1200	1.1038	7.1905	1.1005	7.2609	1.0864
7.3312	1.0843	7.4013	1.0823	7.4713	1.0802
7.5411	1.0779	7.6108	1.0632	7.6804	1.0646
7.7498	1.0573	7.8190	1.0496	7.8881	1.0416
7.9571	1.0332	8.0259	1.0244	8.0946	1.0152
8.1631	1.0056	8.2314	0.9956	8.2996	0.9853
8.3676	0.9745	8.4355	0.9634	8.5032	0.9519
8.5708	0.9401	8.6381	0.9279	8.7054	0.9111
8.7724	0.9011	8.8393	0.8912	8.9060	0.8833
8.9726	0.8748	9.0390	0.8663	9.1052	0.8581
9.1712	0.8499	9.2371	0.8418	9.3028	0.8339
9.3683	0.8260	9.4336	0.8024	9.4987	0.7935
9.5637	0.7849	9.6285	0.7923	9.6931	0.7847
9.7575	0.7790	9.8219	0.7717	9.8858	0.7646
9.9497	0.7575	10.0133	0.7506	10.0768	0.7490
10.1401	0.7423	10.2032	0.7358	10.2661	0.7293
10.3288	0.7214	10.3913	0.7151	10.4536	0.7089
10.5157	0.7028	10.5777	0.6967	10.6394	0.6907
10.7009	0.6896	10.7622	0.6834	10.8233	0.6771
10.8842	0.6710	10.9449	0.6649	11.0053	0.6588
11.1257	0.6468	11.2451	0.6359	11.3638	0.6241
11.4815	0.6116	11.5984	0.6002	11.7144	0.5891
11.8295	0.5781	11.9437	0.5673	12.0570	0.5568
12.1694	0.5465	12.2809	0.5364	12.3914	0.5265
12.5010	0.5167	12.6096	0.5073	12.7173	0.4979
12.8240	0.4888	12.9297	0.4799	13.0344	0.4712
13.1382	0.4626	13.2409	0.4543	13.3426	0.4461
13.4434	0.4381	13.5431	0.4304	13.6417	0.4229
13.7394	0.4167	13.8359	0.4080	13.9315	0.4011
14.0259	0.3943	14.1193	0.3875	14.2117	0.3810
14.3029	0.3746	14.3931	0.3684	14.4821	0.3623
14.5701	0.3564				

NO. OF POINTS = 10 LITS = 0

FUNCTION AT S--OUR S VALUE

47.0000	0.0
46.1400	0.6283
43.8800	1.2566
37.6800	2.5133
31.7800	3.7699
27.1700	5.0265
21.3700	7.5398
17.9600	10.0531
15.1600	12.5664
12.6200	15.0796

0.6170	46.1555	0.6940	45.9035	0.7711	45.6263	0.8482	45.3492
0.9252	45.2465	1.0022	44.9637	1.0792	44.5181	1.1562	44.2412
1.2332	43.9644	1.3101	43.6876	1.3870	43.4110	1.4639	43.1344
1.5408	42.6741	1.6176	42.3284	1.6944	41.9744	1.7712	41.6122
1.8479	41.2419	1.9246	40.8633	2.0012	40.4766	2.0779	40.0818
2.1544	39.6788	2.2310	39.0466	2.3075	38.6747	2.3839	38.3181
2.4603	37.9411	2.5367	37.5699	2.6130	37.2116	2.6893	36.8355
2.7655	36.4717	2.8417	36.1092	2.9178	35.7481	2.9938	35.3883
3.0698	35.0300	3.1457	34.5492	3.2216	34.1956	3.2974	33.8469
3.3732	33.5032	3.4489	33.1645	3.5245	32.8308	3.6001	32.5020
3.6755	32.2231	3.7510	31.8690	3.8263	31.5731	3.9016	31.2970
3.9768	30.9324	4.0519	30.6332	4.1269	30.3390	4.2019	30.0497
4.2768	29.7652	4.3516	29.4857	4.4263	29.2110	4.5010	28.9412
4.5755	28.6762	4.6500	28.4161	4.7243	28.1608	4.7986	27.9103
4.8728	27.6646	4.9469	27.4621	5.0209	27.1905	5.0949	26.9194
5.1687	26.6486	5.2424	26.4929	5.3160	26.2696	5.3895	26.0506
5.4629	25.8357	5.5362	25.6251	5.6094	25.4186	5.6825	25.2163
5.7555	25.0181	5.8284	24.8241	5.9012	24.6630	5.9738	24.4793
6.0464	24.2994	6.1188	24.1235	6.1911	23.9514	6.2633	23.7831
6.3354	23.6910	6.4073	23.5317	6.4792	23.3756	6.5509	23.2226
6.6225	23.0727	6.6939	22.9257	6.7653	22.7816	6.8365	22.5336
6.9075	22.3998	6.9785	22.4581	7.0493	22.3143	7.1200	22.1726
7.1905	22.0331	7.2609	21.8957	7.3312	21.7605	7.4013	21.6897
7.4713	21.5282	7.5411	21.3682	7.6108	21.2737	7.6804	21.1793
7.7498	21.0851	7.8190	20.9911	7.8881	20.7547	7.9571	20.6384
8.0259	20.5240	8.0946	20.4117	8.1631	20.3015	8.2314	20.1933
8.2996	20.0871	8.3676	19.9828	8.4355	19.8806	8.5032	19.7804
8.5708	19.6821	8.6381	19.5858	8.7054	19.4914	8.7724	19.3989
8.8393	19.5307	8.9060	19.4406	8.9726	19.3512	9.0390	19.2625
9.1052	19.1744	9.1712	19.0870	9.2371	19.0002	9.3028	18.9141
9.3683	18.8287	9.4336	18.7438	9.4987	18.6597	9.5637	18.5761
9.6285	18.4932	9.6931	18.4109	9.7575	18.3293	9.8218	18.2738
9.8858	18.1869	9.9497	18.1003	10.0133	18.0139	10.0768	17.9335
10.1401	17.8630	10.2032	17.7927	10.2661	17.7227	10.3288	17.6528
10.3913	17.5476	10.4536	17.4729	10.5157	17.3987	10.5777	17.3252
10.6394	17.2523	10.7009	17.1799	10.7622	17.1082	10.8233	17.0371
10.8842	16.9666	10.9449	16.8966	11.0053	16.8273	11.1257	16.6904
11.2451	16.5559	11.3638	16.4673	11.4815	16.3367	11.5984	16.2076
11.7144	16.0800	11.8295	15.9539	11.9437	15.8294	12.0570	15.7064

12.1694	15.5849	12.2809	15.4650	12.3914	15.3549	12.5010	15.2328
12.6096	15.1163	12.7173	15.0075	12.8240	14.8997	12.9297	14.7767
13.0344	14.6673	13.1382	14.5593	13.2409	14.4527	13.3426	14.3477
13.4434	14.2441	13.5431	14.1420	13.6417	14.0414	13.7394	13.9422
13.8359	13.8444	13.9315	13.7481	14.0259	13.6532	14.1193	13.5598
14.2117	13.4678	14.3029	13.3772	14.3931	13.2880	14.4821	13.2003
14.5701	13.1139						
0.6170	15.6082		0.6940	15.4627		0.7711	15.3026
0.8482	15.1463		0.9252	15.1062		1.0022	14.9486
1.0792	14.6880		1.1562	14.5390		1.2332	14.3916
1.3101	14.2391		1.3870	14.0943		1.4639	13.9518
1.5408	13.6978		1.6176	13.5137		1.6944	13.3267
1.7712	13.1364		1.8479	12.9428		1.9246	12.7472
2.0012	12.5562		2.0779	12.3526		2.1544	12.1459
2.2310	11.8103		2.3075	11.6260		2.3839	11.4516
2.4603	11.2673		2.5367	11.0911		2.6130	10.9202
2.6893	10.7402		2.7655	10.5681		2.8417	10.3997
2.9178	10.2304		2.9938	10.0627		3.0698	9.8949
3.1457	9.6727		3.2216	9.5159		3.2974	9.3560
3.3732	9.2011		3.4489	9.0494		3.5245	8.8968
3.6001	8.7519		3.6755	8.6313		3.7510	8.4757
3.8263	8.3455		3.9016	8.2295		3.9768	8.0724
4.0519	7.9464		4.1269	7.8217		4.2019	7.7000
4.2768	7.5810		4.3516	7.4647		4.4263	7.3466
4.5010	7.2367		4.5755	7.1274		4.6500	7.0219
4.7243	6.9189		4.7986	6.8185		4.8728	6.7202
4.9469	6.6383		5.0209	6.5327		5.0949	6.4241
5.1687	6.3163		5.2424	6.2541		5.3160	6.1713
5.3895	6.0863		5.4629	6.0032		5.5362	5.9224
5.6094	5.8431		5.6825	5.7534		5.7555	5.6780
5.8284	5.6046		5.9012	5.5438		5.9738	5.4753
6.0464	5.4063		6.1188	5.3462		6.1911	5.2824
6.2633	5.2205		6.3354	5.1866		6.4073	5.1305
6.4792	5.0757		6.5509	5.0222		6.6225	4.9701
6.6939	4.9114		6.7653	4.8647		6.8365	4.7812
6.9075	4.7357		6.9785	4.7749		7.0493	4.7256
7.1200	4.6752		7.1905	4.6271		7.2609	4.5692
7.3312	4.5242		7.4013	4.4999		7.4713	4.4471
7.5411	4.3949		7.6108	4.3559		7.6804	4.3232
7.7498	4.2870		7.8190	4.2506		7.8881	4.1709
7.9571	4.1274		8.0259	4.0844		8.0946	4.0419
8.1631	3.9997		8.2314	3.9579		8.2996	3.9165
8.3676	3.8754		8.4355	3.8347		8.5032	3.7943
8.5708	3.7543		8.6381	3.7146		8.7054	3.6710
8.7724	3.6349		8.8393	3.6622		8.9060	3.6289
8.9726	3.5951		9.0390	3.5618		9.1052	3.5289
9.1712	3.4965		9.2371	3.4644		9.3028	3.4327
9.3683	3.4014		9.4336	3.3547		9.4987	3.3228
9.5637	3.2917		9.6285	3.2768		9.6931	3.2471
9.7575	3.2196		9.8218	3.1976		9.8858	3.1674
9.9497	3.1375		10.0133	3.1079		10.0768	3.0854
10.1401	3.0604		10.2032	3.0356		10.2661	3.0110
10.3288	2.9851		10.3913	2.9520		10.4536	2.9268
10.5157	2.9019		10.5777	2.8772		10.6394	2.8529
10.7009	2.8338		10.7622	2.8096		10.8233	2.7858
10.8842	2.7622		10.9449	2.7389		11.0053	2.7158
11.1257	2.6705		11.2451	2.6271		11.3638	2.5940
11.4815	2.5505		11.5984	2.5085		11.7144	2.4674
11.8295	2.4271		11.9437	2.3876		12.0570	2.3489
12.1694	2.3110		12.2809	2.2738		12.3914	2.2393
12.5010	2.2024		12.6096	2.1672		12.7173	2.1341
12.8240	2.1016		12.9297	2.0661		13.0344	2.0340
13.1382	2.0025		13.2409	1.9717		13.3426	1.9416
13.4434	1.9121		13.5431	1.8833		13.6417	1.8551
13.7394	1.8288		13.8359	1.8004		13.9315	1.7742
14.0259	1.7484		14.1193	1.7233		14.2117	1.6986

NO. OF POINTS = 13 LITS = 1

FUNCTION AT S--OUR S VALUE

1.0000	0.0
0.9160	0.8000
0.7190	1.6000
0.5080	2.4000
0.3390	3.2000
0.2220	4.0000
0.0810	6.0000
0.0330	8.0000
0.0160	10.0000
0.0110	11.0000
0.0080	12.0000
0.0060	13.0000
0.0050	14.0000

0.6170	0.9452	0.6940	0.9271	0.7711	0.9190	0.8482	0.9041
0.9252	0.8926	1.0022	0.8769	1.0792	0.8601	1.1562	0.8422
1.2332	0.8111	1.3101	0.7920	1.3870	0.7728	1.4639	0.7535
1.5408	0.7341	1.6176	0.7144	1.6944	0.6948	1.7712	0.6750
1.8479	0.6551	1.9246	0.6351	2.0012	0.6079	2.0779	0.5879
2.1544	0.5683	2.2310	0.5491	2.3075	0.5303	2.3839	0.5122
2.4603	0.4938	2.5367	0.4761	2.6130	0.4589	2.6893	0.4420
2.7655	0.4256	2.8417	0.4083	2.9178	0.3927	2.9938	0.3776
3.0698	0.3630	3.1457	0.3488	3.2216	0.3358	3.2974	0.3220
3.3732	0.3093	3.4489	0.2970	3.5245	0.2847	3.6001	0.2734
3.6755	0.2625	3.7510	0.2522	3.8263	0.2430	3.9016	0.2336
3.9768	0.2254	4.0519	0.2162	4.1269	0.2074	4.2019	0.1993
4.2768	0.1915	4.3516	0.1840	4.4263	0.1769	4.5010	0.1733
4.5755	0.1655	4.6500	0.1595	4.7243	0.1538	4.7986	0.1466
4.8728	0.1397	4.9469	0.1344	5.0209	0.1294	5.0949	0.1246
5.1687	0.1200	5.2424	0.1157	5.3160	0.1115	5.3895	0.1075
5.4629	0.1038	5.5362	0.1002	5.6094	0.0968	5.6825	0.0935
5.7555	0.0904	5.8284	0.0874	5.9012	0.0845	5.9738	0.0822
6.0464	0.0799	6.1188	0.0769	6.1911	0.0746	6.2633	0.0718
6.3354	0.0695	6.4073	0.0677	6.4792	0.0657	6.5509	0.0637
6.6225	0.0618	6.6939	0.0599	6.7653	0.0567	6.8365	0.0549
6.9075	0.0532	6.9785	0.0515	7.0493	0.0499	7.1200	0.0484
7.1905	0.0469	7.2609	0.0454	7.3312	0.0434	7.4013	0.0421
7.4713	0.0409	7.5411	0.0397	7.6108	0.0386	7.6804	0.0379
7.7498	0.0368	7.8190	0.0357	7.8881	0.0346	7.9571	0.0337
8.0259	0.0328	8.0946	0.0317	8.1631	0.0308	8.2314	0.0299
8.2996	0.0294	8.3676	0.0286	8.4355	0.0279	8.5032	0.0272
8.5708	0.0265	8.6381	0.0259	8.7054	0.0253	8.7724	0.0250
8.8393	0.0244	8.9060	0.0238	8.9726	0.0233	9.0390	0.0229
9.1052	0.0224	9.1712	0.0218	9.2371	0.0213	9.3028	0.0208
9.3683	0.0203	9.4336	0.0198	9.4987	0.0193	9.5637	0.0189
9.6285	0.0184	9.6931	0.0180	9.7575	0.0175	9.8218	0.0171
9.8858	0.0167	9.9497	0.0163	10.0133	0.0159	10.0768	0.0155

10.1401	0.0152	10.2032	0.0148	10.2661	0.0145	10.3288	0.0141
10.3913	0.0138	10.4536	0.0135	10.5157	0.0132	10.5777	0.0129
10.6394	0.0126	10.7009	0.0123	10.7622	0.0120	10.8233	0.0117
10.8842	0.0115	10.9449	0.0112	11.0053	0.0110	11.1257	0.0105
11.2451	0.0101	11.3638	0.0097	11.4815	0.0094	11.5984	0.0091
11.7144	0.0088	11.8295	0.0084	11.9437	0.0081	12.0570	0.0079
12.1694	0.0076	12.2809	0.0073	12.3914	0.0071	12.5010	0.0069
12.6096	0.0067	12.7173	0.0065	12.8240	0.0063	12.9297	0.0061
13.0344	0.0060	13.1382	0.0058	13.2409	0.0057	13.3426	0.0055
13.4434	0.0054	13.5431	0.0053	13.6417	0.0052	13.7394	0.0052
13.8359	0.0051	13.9315	0.0051	14.0259	0.0050	14.1193	0.0049
14.2117	0.0049	14.3029	0.0049	14.3931	0.0049	14.4821	0.0049
14.5701	0.0049						
0.6170	16.1821	0.6940	16.0149	0.7711	15.8452		
0.8482	15.6715	0.9252	15.6181	1.0022	15.4426		
1.0792	15.1632	1.1562	14.9948	1.2332	14.8142		
1.3101	14.6421	1.3870	14.4780	1.4639	14.3166		
1.5408	14.0440	1.6176	13.8416	1.6944	13.6369		
1.7712	13.4291	1.8479	13.2185	1.9246	13.0064		
2.0012	12.7937	2.0779	12.5746	2.1544	12.3533		
2.2310	12.0040	2.3075	11.8067	2.3839	11.6202		
2.4603	11.4239	2.5367	11.2367	2.6130	11.0555		
2.6893	10.8658	2.7655	10.6845	2.8417	10.5068		
2.9178	10.3295	2.9938	10.1543	3.0698	9.9795		
3.1457	9.7509	3.2216	9.5884	3.2974	9.4226		
3.3732	9.2625	3.4489	9.1061	3.5245	8.9488		
3.6001	8.7999	3.6755	8.6756	3.7510	8.5166		
3.8263	8.3834	3.9016	8.2645	3.9768	8.1051		
4.0519	7.9764	4.1269	7.8494	4.2019	7.7255		
4.2768	7.6046	4.3516	7.4865	4.4263	7.3667		
4.5010	7.2560	4.5755	7.1450	4.6500	7.0382		
4.7243	6.9341	4.7986	6.8323	4.8728	6.7327		
4.9469	6.6499	5.0209	6.5434	5.0949	6.4340		
5.1687	6.3255	5.2424	6.2627	5.3160	6.1792		
5.3895	6.0937	5.4629	6.0102	5.5362	5.9289		
5.6094	5.8492	5.6825	5.7590	5.7555	5.6833		
5.8284	5.6095	5.9012	5.5484	5.9738	5.4796		
6.0464	5.4104	6.1188	5.3500	6.1911	5.2859		
6.2633	5.2238	6.3354	5.1897	6.4073	5.1334		
6.4792	5.0785	6.5509	5.0248	6.6225	4.9726		
6.6939	4.9138	6.7653	4.8668	6.8365	4.7831		
6.9075	4.7375	6.9785	4.7766	7.0493	4.7272		
7.1200	4.6767	7.1905	4.6285	7.2609	4.5705		
7.3312	4.5254	7.4013	4.5010	7.4713	4.4482		
7.5411	4.3959	7.6108	4.3568	7.6804	4.3241		
7.7498	4.2879	7.8190	4.2514	7.8881	4.1716		
7.9571	4.1282	8.0259	4.0851	8.0946	4.0425		
8.1631	4.0003	8.2314	3.9585	8.2996	3.9170		
8.3676	3.8759	8.4355	3.8352	8.5032	3.7948		
8.5708	3.7547	8.6381	3.7150	8.7054	3.6714		
8.7724	3.6353	8.8393	3.6626	8.9060	3.6292		
8.9726	3.5955	9.0390	3.5622	9.1052	3.5293		
9.1712	3.4968	9.2371	3.4647	9.3028	3.4330		
9.3683	3.4017	9.4336	3.3549	9.4987	3.3231		
9.5637	3.2919	9.6285	3.2770	9.6931	3.2473		
9.7575	3.2198	9.8218	3.1978	9.8858	3.1676		
9.9497	3.1377	10.0133	3.1081	10.0768	3.0855		
10.1401	3.0605	10.2032	3.0357	10.2661	3.0112		
10.3288	2.9853	10.3913	2.9521	10.4536	2.9269		
10.5157	2.9020	10.5777	2.8773	10.6394	2.8530		
10.7009	2.8338	10.7622	2.8097	10.8233	2.7859		
10.8842	2.7623	10.9449	2.7389	11.0053	2.7159		
11.1257	2.6705	11.2451	2.6272	11.3638	2.5941		
11.4815	2.5505	11.5984	2.5086	11.7144	2.4675		
11.8295	2.4272	11.9437	2.3877	12.0570	2.3489		
12.1694	2.3110	12.2809	2.2738	12.3914	2.2393		

12.5010	2.2024	12.6096	2.1673	12.7173	2.1341
12.8240	2.1016	12.9297	2.0662	13.0344	2.0340
13.1382	2.0025	13.2409	1.9717	13.3426	1.9416
13.4434	1.9121	13.5431	1.8834	13.6417	1.8552
13.7394	1.8289	13.8359	1.8004	13.9315	1.7742
14.0259	1.7485	14.1193	1.7233	14.2117	1.6987
14.3029	1.6746	14.3931	1.6511	14.4821	1.6282
14.5701	1.6058				

NO. OF POINTS = 12 LITS = 0

FUNCTION AT S--OUR S VALUE

7.0000	0.0
6.7810	0.6283
6.2030	1.2566
5.4200	1.8850
4.6000	2.5133
3.8560	3.1416
2.7600	4.3982
1.9440	6.2832
1.5500	8.7964
1.3500	10.0531
1.1750	13.8230
1.0050	16.3362

CONVERGENCE FAILED ERROR TEST AT S = 12.169				QUADRATIC VALUE ASSIGNED			
SUCCEEDING INTERPOLATED VALUES WERE				1.2	1.3	1.2	1.2
1.2	1.1	1.1	1.1	0.9	0.8	1.1	0.
CONVERGENCE FAILED ERROR TEST AT S = 12.281				QUADRATIC VALUE ASSIGNED			
SUCCEEDING INTERPOLATED VALUES WERE				1.2	1.2	1.2	1.2
1.2	1.1	1.1	1.1	0.9	0.7	1.0	0.
CONVERGENCE FAILED ERROR TEST AT S = 12.391				QUADRATIC VALUE ASSIGNED			
SUCCEEDING INTERPOLATED VALUES WERE				1.2	1.2	1.2	1.2
1.2	1.1	1.1	1.1	0.9	0.7	1.1	1.
CONVERGENCE FAILED ERROR TEST AT S = 12.501				QUADRATIC VALUE ASSIGNED			
SUCCEEDING INTERPOLATED VALUES WERE				1.2	1.2	1.2	1.2
1.2	1.1	1.1	1.0	0.9	0.7	0.9	0.
0.6170	6.7850	0.6940	6.7205	0.7711	6.6496	0.8482	6.6196
0.9252	6.5526	1.0022	6.4617	1.0792	6.3870	1.1562	6.2950
1.2332	6.2246	1.3101	6.1364	1.3870	6.0574	1.4639	5.9670
1.5408	5.8743	1.6176	5.7577	1.6944	5.6614	1.7712	5.5640
1.8479	5.4662	1.9246	5.3683	2.0012	5.2710	2.0779	5.1720
2.1544	5.0728	2.2310	4.9590	2.3075	4.8602	2.3839	4.7620
2.4603	4.6691	2.5367	4.5722	2.6130	4.4768	2.6893	4.3830
2.7655	4.2922	2.8417	4.2017	2.9178	4.1123	2.9938	4.0240
3.0698	3.9371	3.1457	3.8511	3.2216	3.7706	3.2974	3.6910
3.3732	3.6147	3.4489	3.5397	3.5245	3.4667	3.6001	3.3950
3.6755	3.3264	3.7510	3.2593	3.8263	3.1940	3.9016	3.1300
3.9768	3.0693	4.0519	3.0099	4.1269	2.9524	4.2019	2.8960
4.2768	2.8431	4.3516	2.8007	4.4263	2.7355	4.5010	2.6890
4.5755	2.6409	4.6500	2.5977	4.7243	2.5532	4.7986	2.5100
4.8728	2.4688	4.9469	2.4290	5.0209	2.3906	5.0949	2.3520
5.1687	2.3183	5.2424	2.2843	5.3160	2.2517	5.3895	2.2200
5.4629	2.1908	5.5362	2.1624	5.6094	2.1353	5.6825	2.1220
5.7555	2.0978	5.8284	2.0737	5.9012	2.0507	5.9738	2.0470
6.0464	2.0220	6.1188	1.9974	6.1911	1.9735	6.2633	1.9520
6.3354	1.9214	6.4073	1.9059	6.4792	1.8848	6.5509	1.8640
6.6225	1.8629	6.6939	1.8476	6.7653	1.8329	6.8365	1.8100
6.9075	1.8053	6.9785	1.7957	7.0493	1.7834	7.1200	1.7700
7.1900	1.7600	7.2609	1.7917	7.3312	1.7807	7.4013	1.7600

7.4713	1.7537	7.5411	1.7478	7.6108	1.7369	7.6804	1.7260
7.7498	1.7151	7.8190	1.7042	7.8881	1.6933	7.9571	1.6825
8.0259	1.6716	8.0946	1.6608	8.1631	1.6500	8.2314	1.6393
8.2996	1.6285	8.3676	1.6178	8.4355	1.6071	8.5032	1.5964
8.5708	1.5857	8.6381	1.5752	8.7054	1.5645	8.7724	1.5538
8.8393	1.5432	8.9060	1.5326	8.9726	1.5220	9.0390	1.5116
9.1052	1.5010	9.1712	1.4906	9.2371	1.4801	9.3028	1.4697
9.3683	1.4592	9.4336	1.4488	9.4987	1.4385	9.5637	1.4281
9.6285	1.4178	9.6931	1.4075	9.7575	1.3972	9.8218	1.3870
9.8858	1.3766	9.9497	1.3665	10.0133	1.3563	10.0768	1.3462
10.1401	1.3361	10.2032	1.3261	10.2661	1.3231	10.3288	1.3156
10.3913	1.3083	10.4536	1.3011	10.5157	1.2942	10.5777	1.2875
10.6394	1.2809	10.7009	1.2628	10.7622	1.2554	10.8233	1.2481
10.8842	1.2410	10.9449	1.2342	11.0053	1.2275	11.1257	1.2147
11.2451	1.2027	11.3638	1.1359	11.4815	1.1206	11.5984	1.1067
11.7144	1.0938	11.8295	1.0828	11.9437	1.0728	12.0570	1.0649
12.1694	1.1733	12.2809	1.1695	12.3914	1.1664	12.5010	1.1638
12.6096	1.2418	12.7173	1.2363	12.8240	1.2307	12.9297	1.2251
13.0344	1.2195	13.1382	1.2139	13.2409	1.2083	13.3426	1.2026
13.4434	1.1970	13.5431	1.1939	13.6417	1.1873	13.7394	1.1807
13.8359	1.1741	13.9315	1.1677	14.0259	1.1613	14.1193	1.1550
14.2117	1.1515	14.3029	1.1458	14.3931	1.1402	14.4821	1.1345
14.5701	1.1289						

0.6170	16.5166	0.6940	16.3430	0.7711	16.1664
0.8482	15.9898	0.9252	15.9300	1.0022	15.7459
1.0792	15.4596	1.1562	15.2827	1.2332	15.0957
1.3101	14.9156	1.3870	14.7446	1.4639	14.5752
1.5408	14.2947	1.6176	14.0824	1.6944	13.8697
1.7712	13.6540	1.8479	13.4356	1.9246	13.2157
2.0012	12.9955	2.0779	12.7690	2.1544	12.5403
2.2310	12.1827	2.3075	11.9783	2.3839	11.7850
2.4603	11.5823	2.5367	11.3886	2.6130	11.2010
2.6893	11.0054	2.7655	10.8183	2.8417	10.6350
2.9178	10.4523	2.9938	10.2719	3.0698	10.0921
3.1457	9.8586	3.2216	9.6917	3.2974	9.5216
3.3732	9.3575	3.4489	9.1971	3.5245	9.0362
3.6001	8.8837	3.6755	8.7560	3.7510	8.5937
3.8263	8.4575	3.9016	8.3357	3.9768	8.1735
4.0519	8.0422	4.1269	7.9127	4.2019	7.7865
4.2768	7.6633	4.3516	7.5435	4.4263	7.4210
4.5010	7.3086	4.5755	7.1957	4.6500	7.0872
4.7243	6.9815	4.7986	6.8781	4.8728	6.7770
4.9469	6.6928	5.0209	6.5849	5.0949	6.4743
5.1687	6.3646	5.2424	6.3006	5.3160	6.2161
5.3895	6.1296	5.4629	6.0450	5.5362	5.9628
5.6094	5.8823	5.6825	5.7917	5.7555	5.7152
5.8284	5.6407	5.9012	5.5789	5.9738	5.5101
6.0464	5.4401	6.1188	5.3789	6.1911	5.3142
6.2633	5.2515	6.3354	5.2165	6.4073	5.1598
6.4792	5.1043	6.5509	5.0500	6.6225	4.9978
6.6939	4.9385	6.7653	4.8912	6.8365	4.8072
6.9075	4.7612	6.9785	4.8001	7.0493	4.7503
7.1200	4.6995	7.1905	4.6510	7.2609	4.5938
7.3312	4.5485	7.4013	4.5238	7.4713	4.4706
7.5411	4.4181	7.6108	4.3788	7.6804	4.3458
7.7498	4.3092	7.8190	4.2725	7.8881	4.1925
7.9571	4.1487	8.0259	4.1054	8.0946	4.0625
8.1631	4.0201	8.2314	3.9780	8.2996	3.9363
8.3676	3.8949	8.4355	3.8539	8.5032	3.8133
8.5708	3.7730	8.6381	3.7330	8.7054	3.6892
8.7724	3.6529	8.8393	3.6799	8.9060	3.6463
8.9726	3.6123	9.0390	3.5788	9.1052	3.5456
9.1712	3.5129	9.2371	3.4806	9.3028	3.4487
9.3683	3.4171	9.4336	3.3702	9.4987	3.3381
9.5637	3.3067	9.6285	3.2916	9.6931	3.2617
9.7575	3.2340	9.8218	3.2117	9.8858	3.1814

9.9497	3.1513	10.2133	3.1214	10.0768	3.0987
10.1401	3.0735	10.2032	3.0485	10.2661	3.0239
10.3288	2.9978	10.3913	2.9645	10.4536	2.9392
10.5157	2.9142	10.5777	2.8894	10.6394	2.8649
10.7009	2.8454	10.7622	2.8212	10.8233	2.7972
10.8842	2.7735	10.9449	2.7500	11.0053	2.7268
11.1257	2.6812	11.2451	2.6377	11.3638	2.6034
11.4815	2.5596	11.5984	2.5175	11.7144	2.4762
11.8295	2.4357	11.9437	2.3960	12.0570	2.3572
12.1694	2.3210	12.2809	2.2838	12.3914	2.2492
12.5010	2.2123	12.6096	2.1785	12.7173	2.1452
12.8240	2.1126	12.9297	2.0771	13.0344	2.0448
13.1382	2.0132	13.2409	1.9823	13.3426	1.9521
13.4434	1.9225	13.5431	1.8937	13.6417	1.8654
13.7394	1.8390	13.8359	1.8104	13.9315	1.7841
14.0259	1.7583	14.1193	1.7330	14.2117	1.7083
14.3029	1.6841	14.3931	1.6606	14.4821	1.6375
14.5701	1.6150				

NO. OF POINTS = 12 LITS = 0

FUNCTION AT S--OUR S VALUE

8.0000	0.0
7.7960	0.6283
7.2500	1.2566
5.6340	2.5133
4.0940	3.7699
3.0100	5.0265
2.3380	6.2832
1.9440	7.5398
1.7140	8.7964
1.4620	11.3097
1.2960	13.8230
1.1440	16.3362

0.6170	7.7997	0.6940	7.7389	0.7711	7.6719	0.8482	7.6438
0.9252	7.5806	1.0022	7.5123	1.0792	7.4388	1.1562	7.3373
1.2332	7.2704	1.3101	7.2035	1.3870	7.1367	1.4639	7.0316
1.5408	6.9457	1.6176	6.8573	1.6944	6.7664	1.7712	6.6728
1.8479	6.5767	1.9246	6.4780	2.0012	6.3768	2.0779	6.2730
2.1544	6.1667	2.2310	5.9904	2.3075	5.8934	2.3839	5.7968
2.4603	5.7021	2.5367	5.6053	2.6130	5.5090	2.6893	5.4137
2.7655	5.3188	2.8417	5.2242	2.9178	5.1300	2.9938	5.0361
3.0698	4.9426	3.1457	4.8019	3.2216	4.7098	3.2974	4.6195
3.3732	4.5309	3.4489	4.4441	3.5245	4.3589	3.6001	4.2755
3.6755	4.1938	3.7510	4.1172	3.8263	4.0454	3.9016	3.9590
3.9768	3.8842	4.0519	3.8111	4.1269	3.7396	4.2019	3.6699
4.2768	3.6019	4.3516	3.5355	4.4263	3.4764	4.5010	3.4133
4.5755	3.3517	4.6500	3.2916	4.7243	3.2331	4.7986	3.1760
4.8728	3.1205	4.9469	3.0664	5.0209	3.0148	5.0949	2.9735
5.1687	2.9133	5.2424	2.8653	5.3160	2.8187	5.3895	2.7736
5.4629	2.7299	5.5362	2.6878	5.6094	2.6471	5.6825	2.6245
5.7555	2.5863	5.8284	2.5491	5.9012	2.5129	5.9738	2.4776
6.0464	2.4434	6.1188	2.4101	6.1911	2.3778	6.2633	2.3486
6.3354	2.3216	6.4073	2.2991	6.4792	2.2582	6.5509	2.2308
6.6225	2.2042	6.6939	2.1786	6.7653	2.1540	6.8365	2.1303
6.9075	2.1075	6.9785	2.0997	7.0493	2.0783	7.1200	2.0574
7.1905	2.0371	7.2609	2.0173	7.3312	1.9981	7.4013	1.9794
7.4713	1.9655	7.5411	1.9438	7.6108	1.9310	7.6804	1.9183
7.7498	1.9056	7.8190	1.8787	7.8881	1.8638	7.9571	1.8494
8.0259	1.8356	8.0946	1.8222	8.1631	1.8094	8.2314	1.7971
8.2996	1.7853	8.3676	1.7741	8.4355	1.7633	8.5032	1.7530
8.5708	1.7432	8.6381	1.7430	8.7054	1.7307	8.7724	1.7184
8.8393	1.7062	8.9060	1.6939	8.9726	1.6818	9.0390	1.6776
9.1052	1.6681	9.1712	1.6588	9.2371	1.6498	9.3028	1.6409
9.3683	1.6323	9.4336	1.6239	9.4987	1.6157	9.5637	1.6077
9.6285	1.5999	9.6931	1.5923	9.7575	1.6046	9.8218	1.5985
9.8858	1.5924	9.9497	1.5865	10.0133	1.5806	10.0768	1.5606
10.1401	1.5546	10.2032	1.5488	10.2661	1.5430	10.3288	1.5375
10.3913	1.5320	10.4536	1.5267	10.5157	1.5116	10.5777	1.5068

10.6394	1.5021	10.7009	1.5152	10.7622	1.5096	10.8233	1.5041
10.8842	1.4986	10.9449	1.4932	11.0053	1.4879	11.1257	1.4805
11.2451	1.4685	11.3638	1.4584	11.4815	1.4507	11.5984	1.4429
11.7144	1.4353	11.8295	1.4206	11.9437	1.4120	12.0570	1.4037
12.1694	1.3955	12.2809	1.3877	12.3914	1.3800	12.5010	1.3726
12.6096	1.3744	12.7173	1.3673	12.8240	1.3603	12.9297	1.3534
13.0344	1.3466	13.1382	1.3398	13.2409	1.3332	13.3426	1.3266
13.4434	1.3211	13.5431	1.3145	13.6417	1.3080	13.7394	1.3015
13.8359	1.2952	13.9315	1.2894	14.0259	1.2837	14.1193	1.2781
14.2117	1.2725	14.3029	1.2659	14.3931	1.2603	14.4821	1.2548
14.5701	1.2494						
0.6170	37.3842	0.6940	36.8865	0.7711	36.3559		
0.8482	36.0318	0.9252	35.6419	1.0022	35.1039		
1.0792	34.4408	1.1562	33.7492	1.2332	33.2271		
1.3101	32.7151	1.3870	32.2154	1.4639	31.5351		
1.5408	30.8430	1.6176	30.2122	1.6944	29.5743		
1.7712	28.9274	1.8479	28.2721	1.9246	27.6104		
2.0012	26.9439	2.0779	26.2670	2.1544	25.5847		
2.2310	24.4918	2.3075	23.8922	2.3839	23.3114		
2.4603	22.7350	2.5367	22.1659	2.6130	21.6113		
2.6893	21.0587	2.7655	20.5221	2.8417	19.9968		
2.9178	19.4795	2.9938	18.9717	3.0698	18.4717		
3.1457	17.7680	3.2216	17.3007	3.2974	16.8416		
3.3732	16.3994	3.4489	15.9716	3.5245	15.5536		
3.6001	15.1541	3.6755	14.7890	3.7510	14.4084		
3.8263	14.0710	3.9016	13.7122	3.9768	13.3487		
4.0519	13.0243	4.1269	12.7098	4.2019	12.4064		
4.2768	12.1135	4.3516	11.8312	4.4263	11.5665		
4.5010	11.3049	4.5755	11.0491	4.6500	10.8037		
4.7243	10.5669	4.7986	10.3381	4.8728	10.1171		
4.9469	9.9182	5.0209	9.7027	5.0949	9.5071		
5.1687	9.2760	5.2424	9.1167	5.3160	8.9413		
5.3895	8.7683	5.4629	8.6014	5.5362	8.4408		
5.6094	8.2858	5.6825	8.1545	5.7555	8.0097		
5.8284	7.8696	5.9012	7.7449	5.9738	7.6157		
6.0464	7.4879	6.1188	7.3714	6.1911	7.2536		
6.2633	7.1436	6.3354	7.0654	6.4073	6.9729		
6.4792	6.8536	6.5509	6.7570	6.6225	6.6644		
6.6939	6.5667	6.7653	6.4827	6.8365	6.3638		
6.9075	6.2847	6.9785	6.3124	7.0493	6.2319		
7.1200	6.1515	7.1905	6.0744	7.2609	5.9897		
7.3312	5.9179	7.4013	5.8677	7.4713	5.7958		
7.5411	5.7141	7.6108	5.6578	7.6804	5.6080		
7.7498	5.5548	7.8190	5.4833	7.8881	5.3840		
7.9571	5.3220	8.0259	5.2612	8.0946	5.2016		
8.1631	5.1431	8.2314	5.0858	8.2996	5.0296		
8.3676	4.9745	8.4355	4.9204	8.5032	4.8674		
8.5708	4.8154	8.6381	4.7751	8.7054	4.7166		
8.7724	4.6658	8.8393	4.6784	8.9060	4.6306		
8.9726	4.5825	9.0390	4.5441	9.1052	4.5001		
9.1712	4.4568	9.2371	4.4142	9.3028	4.3723		
9.3683	4.3311	9.4336	4.2747	9.4987	4.2335		
9.5637	4.1933	9.6285	4.1695	9.6931	4.1314		
9.7575	4.1172	9.8218	4.0882	9.8858	4.0512		
9.9497	4.0146	10.0133	3.9784	10.0768	3.9341		
10.1401	3.9025	10.2032	3.8713	10.2661	3.8406		
10.3288	3.8087	10.3913	3.7696	10.4536	3.7387		
10.5157	3.6980	10.5777	3.6681	10.6394	3.6389		
10.7009	3.6329	10.7622	3.6028	10.8233	3.5731		
10.8842	3.5438	10.9449	3.5149	11.0053	3.4863		
11.1257	3.4331	11.2451	3.3774	11.3638	3.3330		
11.4815	3.2815	11.5984	3.2317	11.7144	3.1828		
11.8295	3.1279	11.9437	3.0799	12.0570	3.0330		
12.1694	2.9890	12.2809	2.9443	12.3914	2.9024		
12.5010	2.8585	12.6096	2.8264	12.7173	2.7865		
12.8240	2.7473	12.9297	2.7054	13.0344	2.6668		

13.1382	2.6290	13.2409	2.5920	13.3426	2.5558
13.4434	2.5211	13.5431	2.4864	13.6417	2.4522
13.7394	2.4200	13.8359	2.3859	13.9315	2.3545
14.0259	2.3235	14.1193	2.2933	14.2117	2.2637
14.3029	2.2338	14.3931	2.2054	14.4821	2.1776
14.5701	2.1504				

INDEPENDENT CURVE

0.6170	37.3842
0.6940	36.8865
0.7711	36.3559
0.8482	36.0318
0.9252	35.6419
1.0022	35.1039
1.0792	34.4408
1.1562	33.7492
1.2332	33.2271
1.3101	32.7151
1.3870	32.2154
1.4639	31.5351
1.5408	30.8430
1.6176	30.2122
1.6944	29.5743
1.7712	28.9274
1.8479	28.2721
1.9246	27.6104
2.0012	26.9439
2.0779	26.2670
2.1544	25.5847
2.2310	24.4918
2.3075	23.8922
2.3839	23.3114
2.4603	22.7350
2.5367	22.1659
2.6130	21.6113
2.6893	21.0587
2.7655	20.5221
2.8417	19.9968
2.9178	19.4795
2.9938	18.9717
3.0698	18.4717
3.1457	17.7680
3.2216	17.3007
3.2974	16.8416
3.3732	16.3994
3.4489	15.9716
3.5245	15.5536
3.6001	15.1541
3.6755	14.7890
3.7510	14.4084
3.8263	14.0710
3.9016	13.7122
3.9768	13.3487
4.0519	13.0243
4.1269	12.7098
4.2019	12.4064
4.2768	12.1135
4.3516	11.8312
4.4263	11.5665
4.5010	11.3049
4.5755	11.0491
4.6500	10.8037
4.7243	10.5669
4.7986	10.3381
4.8728	10.1171

4.9469	9.9182
5.0209	9.7027
5.0949	9.5071
5.1687	9.2760
5.2424	9.1167
5.3160	8.9413
5.3895	8.7683
5.4629	8.6014
5.5362	8.4408
5.6094	8.2858
5.6825	8.1545
5.7555	8.0097
5.8284	7.8696
5.9012	7.7449
5.9733	7.6157
6.0464	7.4879
6.1188	7.3714
6.1911	7.2536
6.2633	7.1436
6.3354	7.0654
6.4073	6.9729
6.4792	6.8536
6.5509	6.7570
6.6225	6.6644
6.6939	6.5667
6.7653	6.4827
6.8365	6.3638
6.9075	6.2847
6.9785	6.3124
7.0493	6.2319
7.1200	6.1515
7.1905	6.0744
7.2609	5.9897
7.3312	5.9179
7.4013	5.8677
7.4713	5.7958
7.5411	5.7141
7.6108	5.6578
7.6804	5.6080
7.7498	5.5548
7.8190	5.4833
7.8881	5.3840
7.9571	5.3220
8.0259	5.2612
8.0946	5.2016
8.1631	5.1431
8.2314	5.0858
8.2996	5.0296
8.3676	4.9745
8.4355	4.9204
8.5032	4.8674
8.5708	4.8154
8.6381	4.7751
8.7054	4.7166
8.7724	4.6658
8.8393	4.6784
8.9060	4.6306
8.9726	4.5825
9.0390	4.5441
9.1052	4.5001
9.1712	4.4568
9.2371	4.4142
9.3028	4.3723
9.3683	4.3311
9.4336	4.2747
9.4987	4.2335

9.5637	4.1933
9.6285	4.1695
9.6931	4.1314
9.7575	4.1172
9.8218	4.0882
9.8858	4.0512
9.9497	4.0146
10.0133	3.9784
10.0768	3.9341
10.1401	3.9025
10.2032	3.8713
10.2661	3.8406
10.3289	3.8087
10.3913	3.7696
10.4536	3.7387
10.5157	3.6980
10.5777	3.6681
10.6394	3.6389
10.7009	3.6329
10.7622	3.6028
10.8233	3.5731
10.8842	3.5438
10.9449	3.5149
11.0053	3.4863
11.1257	3.4331
11.2451	3.3774
11.3638	3.3330
11.4815	3.2815
11.5984	3.2317
11.7144	3.1828
11.8295	3.1279
11.9437	3.0799
12.0570	3.0330
12.1694	2.9890
12.2809	2.9443
12.3914	2.9024
12.5010	2.8585
12.6096	2.8264
12.7173	2.7865
12.8240	2.7473
12.9297	2.7054
13.0344	2.6668
13.1382	2.6290
13.2409	2.5920
13.3426	2.5558
13.4434	2.5211
13.5431	2.4864
13.6417	2.4522
13.7394	2.4200
13.8359	2.3859
13.9315	2.3545
14.0259	2.3235
14.1193	2.2933
14.2117	2.2637
14.3029	2.2338
14.3931	2.2054
14.4821	2.1776
14.5701	2.1504

SCALE FACTOR = 2.6464795E-03

SCALED RELATIVE CURVE MINUS INDEPENDENT CURVE

0.0 0.0
0.6170 -19.4890

0.6940	-19.7743
0.7711	-19.7329
0.8482	-19.9215
0.9252	-19.6349
1.0022	-19.3174
1.0792	-18.7077
1.1562	-17.6897
1.2332	-16.8739
1.3101	-15.7391
1.3870	-14.4345
1.4639	-12.5258
1.5408	-10.3004
1.6176	-7.3513
1.6944	-4.3766
1.7712	-0.8295
1.8479	2.2258
1.9246	4.6153
2.0012	6.1013
2.0779	6.6259
2.1544	5.5600
2.2310	5.8128
2.3075	4.6547
2.3839	3.7497
2.4603	3.3701
2.5367	2.9926
2.6130	3.2871
2.6893	3.3842
2.7655	3.6955
2.8417	4.2542
2.9178	4.4036
2.9938	4.4656
3.0698	4.0098
3.1457	3.4252
3.2216	2.4879
3.2974	1.5874
3.3732	0.9158
3.4489	0.1042
3.5245	-0.2867
3.6001	-0.6724
3.6755	-1.0633
3.7510	-0.9720
3.8263	-1.0086
3.9016	-0.9442
3.9768	-0.7509
4.0519	-0.7267
4.1269	-0.5456
4.2019	-0.2947
4.2768	-0.1409
4.3516	-0.0338
4.4263	-0.0004
4.5010	0.1430
4.5755	0.3365
4.6500	0.2899
4.7243	0.3674
4.7986	0.4230
4.8728	0.4808
4.9469	0.4972
5.0209	0.5569
5.0949	0.6077
5.1687	0.5105
5.2424	0.4295
5.3160	0.4384
5.3895	0.3810
5.4629	0.2594
5.5362	0.2206
5.6094	0.2100

5.6825	0.2247
5.7555	0.1759
5.8284	0.1815
5.9012	0.0532
5.9738	0.1284
6.0464	0.0528
6.1188	0.2005
6.1911	0.1568
6.2633	0.0739
6.3354	0.0785
6.4073	0.0906
6.4792	0.1435
6.5509	0.0555
6.6225	0.1233
6.6939	0.0768
6.7653	0.1358
6.8365	0.1907
6.9075	0.1184
6.9785	0.0027
7.0493	0.1044
7.1200	0.0228
7.1905	0.0146
7.2609	0.0421
7.3312	0.0461
7.4013	0.0667
7.4713	-0.0109
7.5411	-0.0102
7.6108	0.0181
7.6804	-0.0393
7.7498	-0.0479
7.8190	-0.0166
7.8881	-0.0516
7.9571	-0.0009
8.0259	0.1568
8.0946	-0.0496
8.1631	-0.0676
8.2314	-0.0795
8.2996	-0.0225
8.3676	-0.0931
8.4355	-0.0475
8.5032	-0.0419
8.5708	-0.0708
8.6381	0.0030
8.7054	-0.1248
8.7724	-0.0540
8.8393	-0.0762
8.9060	-0.0743
8.9726	-0.0909
9.0390	-0.0995
9.1052	-0.1539
9.1712	-0.1141
9.2371	-0.1331
9.3028	-0.1333
9.3683	-0.1382
9.4336	-0.0366
9.4987	-0.0134
9.5637	-0.0622
9.6285	-0.0680
9.6931	-0.0567
9.7575	-0.0880
9.8218	-0.1329
9.8858	-0.1522
9.9497	-0.1611
10.0133	-0.1603
10.0768	-0.1399
10.1401	-0.1861

10.2032	-0.1522
10.2661	-0.1351
10.3288	-0.2013
10.3913	-0.2171
10.4536	-0.1644
10.5157	-0.1386
10.5777	-0.1658
10.6394	-0.0252
10.7009	-0.1075
10.7622	-0.2167
10.8233	-0.2495
10.8842	-0.2558
10.9449	-0.2726
11.0053	-0.2742
11.1257	-0.2469
11.2451	-0.2676
11.3638	-0.2597
11.4815	-0.2503
11.5984	-0.2999
11.7144	-0.3184
11.8295	-0.3163
11.9437	-0.2862
12.0570	-0.3103
12.1694	-0.3174
12.2809	-0.3174
12.3914	-0.3303
12.5010	-0.3453
12.6096	-0.1549
12.7173	-0.3607
12.8240	-0.3462
12.9297	-0.3444
13.0344	-0.2959
13.1382	-0.2956
13.2409	-0.2927
13.3426	-0.2645
13.4434	-0.2668
13.5431	-0.2679
13.6417	-0.2600
13.7394	-0.2575
13.8359	-0.2677
13.9315	-0.2727
14.0259	-0.2443
14.1193	-0.2404
14.2117	-0.2195
14.3029	-0.2232
14.3931	-0.2193
14.4821	-0.2122
14.5701	-0.2376

SI OF S BEFORE INTERPOLATION

0.0	0.0
0.6170	-12.0240
0.6940	-13.7243
0.7711	-15.2164
0.8482	-16.8969
0.9252	-18.1665
1.0022	-19.3606
1.0792	-20.1900
1.1562	-20.4532
1.2332	-20.8085
1.3101	-20.6200
1.3870	-20.0210
1.4639	-18.3366
1.5408	-15.8705
1.6176	-11.8915

1.6944	-7.4156
1.7712	-1.4692
1.8479	4.1131
1.9246	8.8826
2.0012	12.2102
2.0779	13.7678
2.1544	11.9787
2.2310	12.9683
2.3075	10.7407
2.3839	8.9390
2.4603	8.2917
2.5367	7.5913
2.6130	8.5894
2.6893	9.1011
2.7655	10.2199
2.8417	12.0891
2.9178	12.8486
2.9938	13.3692
3.0698	12.3094
3.1457	10.7747
3.2216	8.0150
3.2974	5.2343
3.3732	3.0892
3.4489	0.3595
3.5245	-1.0105
3.6001	-2.4206
3.6755	-3.9081
3.7510	-3.6459
3.8263	-3.8591
3.9016	-3.6838
3.9768	-2.9861
4.0519	-2.9447
4.1269	-2.2517
4.2019	-1.2385
4.2768	-0.6027
4.3516	-0.1469
4.4263	-0.0016
4.5010	0.6437
4.5755	1.5396
4.6500	1.3479
4.7243	1.7358
4.7986	2.0299
4.8728	2.3427
4.9469	2.4598
5.0209	2.7962
5.0949	3.0963
5.1687	2.6387
5.2424	2.2516
5.3160	2.3306
5.3895	2.0533
5.4629	1.4174
5.5362	1.2211
5.6094	1.1780
5.6825	1.2768
5.7555	1.0126
5.8284	1.0580
5.9012	0.3142
5.9738	0.7668
6.0464	0.3191
6.1188	1.2268
6.1911	0.9705
6.2633	0.4626
6.3354	0.4972
6.4073	0.5802
6.4792	0.9300
6.5509	0.3638

6.6225	0.8164
6.6939	0.5140
6.7653	0.9186
6.8365	1.3039
6.9075	0.8182
6.9785	0.0190
7.0493	0.7360
7.1200	0.1620
7.1905	0.1050
7.2609	0.3059
7.3312	0.3380
7.4013	0.4934
7.4713	-0.0815
7.5411	-0.0770
7.6108	0.1380
7.6804	-0.3020
7.7498	-0.3713
7.8190	-0.1301
7.8881	-0.4067
7.9571	-0.0073
8.0259	1.2581
8.0946	-0.4012
8.1631	-0.5520
8.2314	-0.6543
8.2996	-0.1870
8.3676	-0.7792
8.4355	-0.4005
8.5032	-0.3567
8.5708	-0.6071
8.6381	0.0257
8.7054	-1.0860
8.7724	-0.4741
8.8393	-0.6740
8.9060	-0.6618
8.9726	-0.8154
9.0390	-0.8997
9.1052	-1.4013
9.1712	-1.0464
9.2371	-1.2297
9.3028	-1.2397
9.3683	-1.2943
9.4336	-0.3455
9.4987	-0.1268
9.5637	-0.5950
9.6285	-0.6543
9.6931	-0.5496
9.7575	-0.8583
9.8218	-1.3055
9.8858	-1.5049
9.9497	-1.6027
10.0133	-1.6052
10.0768	-1.4102
10.1401	-1.8871
10.2032	-1.6553
10.2661	-1.3874
10.3288	-2.0790
10.3913	-2.2555
10.4536	-1.7185
10.5157	-1.4573
10.5777	-1.7535
10.6394	-0.2686
10.7009	-1.1499
10.7622	-2.3323
10.8233	-2.7003
10.8842	-2.7845
10.9449	-2.9840

11.0053	-3.0175
11.1257	-2.7469
11.2451	-3.0091
11.3638	-2.9514
11.4815	-2.8739
11.5984	-3.4789
11.7144	-3.7300
11.8295	-3.7414
11.9437	-3.4187
12.0570	-3.7410
12.1694	-3.8626
12.2809	-3.8975
12.3914	-4.0929
12.5010	-4.3164
12.6096	-1.9528
12.7173	-4.5865
12.8240	-4.4398
12.9297	-4.4527
13.0344	-3.8567
13.1382	-3.8838
13.2409	-3.8759
13.3426	-3.5290
13.4434	-3.5862
13.5431	-3.6285
13.6417	-3.5468
13.7394	-3.5383
13.8359	-3.7043
13.9315	-3.7997
14.0259	-3.4267
14.1193	-3.3946
14.2117	-3.1197
14.3029	-3.1929
14.3931	-3.1559
14.4821	-3.0725
14.5701	-3.4621

SI OF S BEFORE INTERPOLATION

0.0	0.0
0.6170	-12.0240
0.6940	-13.7243
0.7711	-15.2164
0.8482	-16.8969
0.9252	-18.1665
1.0022	-19.3606
1.0792	-20.1900
1.1562	-20.4532
1.2332	-20.8085
1.3101	-20.6200
1.3870	-20.0210
1.4639	-18.3366
1.5408	-15.8705
1.6176	-11.8915
1.6944	-7.4156
1.7712	-1.4692
1.8479	4.1131
1.9246	8.8826
2.0012	12.2102
2.0779	13.7678
2.1544	11.9787
2.2310	12.9683
2.3075	10.7407
2.3839	8.9390
2.4603	8.2917
2.5367	7.5913
2.6130	8.5894

2.6893	9.1011
2.7655	10.2199
2.8417	12.0491
2.9178	12.8486
2.9938	13.3692
3.0698	12.3094
3.1457	10.7747
3.2216	8.0150
3.2974	5.2343
3.3732	3.0892
3.4489	0.3595
3.5245	-1.0105
3.6001	-2.4206
3.6755	-3.9081
3.7510	-3.6459
3.8263	-3.8591
3.9016	-3.6838
3.9768	-2.9861
4.0519	-2.9447
4.1269	-2.2517
4.2019	-1.2385
4.2768	-0.6027
4.3516	-0.1469
4.4263	-0.0016
4.5010	0.6437
4.5755	1.5396
4.6500	1.3479
4.7243	1.7358
4.7986	2.0299
4.8728	2.3427
4.9469	2.4598
5.0209	2.7962
5.0949	3.0963
5.1687	2.6387
5.2424	2.2516
5.3160	2.3306
5.3895	2.0533
5.4629	1.4174
5.5362	1.2211
5.6094	1.1780
5.6825	1.2768
5.7555	1.0126
5.8284	1.0580
5.9012	0.3142
5.9738	0.7668
6.0464	0.3191
6.1188	1.2268
6.1911	0.9705
6.2633	0.4626

0.0	0.0500	0.1000	0.1500	0.2000	0.2500	0.3000	0.3500
0.4000	0.4500	0.5000	0.5500	0.6000	0.6500	0.7000	0.7500
0.8000	0.8500	0.9000	0.9500	1.0000	1.0500	1.1000	1.1500
1.2000	1.2500	1.3000	1.3500	1.4000	1.4500	1.5000	1.5500
1.6000	1.6500	1.7000	1.7500	1.8000	1.8500	1.9000	1.9500
2.0000	2.0500	2.1000	2.1500	2.2000	2.2500	2.3000	2.3500
2.4000	2.4500	2.5000	2.5500	2.6000	2.6500	2.7000	2.7500
2.8000	2.8500	2.9000	2.9500	3.0000	3.0500	3.1000	3.1500
3.2000	3.2500	3.3000	3.3500	3.4000	3.4500	3.5000	3.5500
3.6000	3.6500	3.7000	3.7500	3.8000	3.8500	3.9000	3.9500
4.0000	4.0500	4.1000	4.1500	4.2000	4.2499	4.2999	4.3499
4.3999	4.4499	4.4999	4.5499	4.5999	4.6499	4.6999	4.7499
4.7999	4.8499	4.8999	4.9499	4.9999	5.0499	5.0999	5.1499
5.1999	5.2499	5.2999	5.3499	5.3999	5.4499	5.4999	5.5499
5.5999	5.6499	5.6999	5.7499	5.7999	5.8499	5.8999	5.9499
5.9999	6.0499	6.0999	6.1499	6.1999			

CONVERGENCE FAILED ERROR TEST AT S = 0.050 QUADRATIC VALUE ASSIGNED

```

SUCCEEDING INTERPOLATED VALUES WERE      0.0      -1.0      -0.9      -0.4
  2.3      18.0      86.0      334.0      1107.7      3089.6      6742.0      8526.4
-13943.0 -149802.0 -695294.9-2546467.0-8281093.0*****
*****
CONVERGENCE FAILED ERROR TEST AT S = 0.100  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.0      -1.9      -1.8      -0.9
  3.3      26.2      120.4      445.4      1410.6      3771.2      7938.2      9895.1
-13797.3 -152004.7 -688285.0-2449526.0-7734760.0*****
*****
CONVERGENCE FAILED ERROR TEST AT S = 0.150  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.0      -2.9      -2.7      -1.6
  3.2      27.8      122.5      431.6      1302.4      3331.4      6754.5      8294.5
-9640.6 -110399.1 -487700.6-1685789.0-5168743.0*****
*****
CONVERGENCE FAILED ERROR TEST AT S = 0.200  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.0      -3.9      -3.6      -2.5
  2.3      25.0      106.8      358.1      1027.9      2511.0      4898.1      5927.5
-5549.3 -67582.7 -291451.3 -977415.6-2902984.0-8048917.0*****
*****
CONVERGENCE FAILED ERROR TEST AT S = 0.250  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.0      -4.9      -4.5      -3.4
  0.9      19.8      83.2      265.8      725.0      1688.4      3164.0      3771.3
-2720.6 -36427.8 -153596.8 -500271.1-1441969.0-3880874.0*****
*****
CONVERGENCE FAILED ERROR TEST AT S = 0.300  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.0      -5.8      -5.5      -4.5
 -0.9      13.5      58.3      178.6      462.8      1026.2      1845.3      2166.1
-1118.1 -17460.5 -72027.1 -227369.9 -633969.8-1650551.0-4137468.0*****
*****
CONVERGENCE FAILED ERROR TEST AT S = 0.350  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE     -12.0      -6.1      -6.5      -5.6
 -2.8      7.2      35.9      107.5      265.9      561.7      968.5      1120.1
-359.1 -7406.5 -30008.9 -92009.7 -248846.8 -628757.5-1530612.0-3659547.0
-8694486.0
CONVERGENCE FAILED ERROR TEST AT S = 0.400  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE     -12.0      -7.2      -6.1      -6.8
 -4.9      1.5      18.0      56.0      134.3      271.3      449.2      512.0
-71.4 -2724.6 -10868.9 -32297.0 -84380.9 -205796.6 -483435.6-1114390.0
-2546892.0
CONVERGENCE FAILED ERROR TEST AT S = 0.450  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE     -12.0      -8.3      -7.6      -5.7
 -6.8      -3.3      4.9      22.4      55.6      109.9      176.2      198.3
  3.2      -842.5      -3324.7      -9587.3      -24218.6      -57070.0      -129546.4      -288694.1
-638674.2
CONVERGENCE FAILED ERROR TEST AT S = 0.500  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE     -12.0      -9.4      -9.0      -8.2
 -5.6      -7.0      -3.6      2.9      14.2      31.5      51.3      57.5
  5.7      -207.7      -805.8      -2252.4      -5504.5      -12558.8      -27660.4      -59990.6
-129580.1
CONVERGENCE FAILED ERROR TEST AT S = 1.800  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE     -1.5      0.6      0.7      0.7
  0.7      0.7      0.7      0.7      0.7      0.7      0.7      0.7
  0.7      0.7      0.7      0.7      0.7      0.7      0.7      0.7
  0.7
CONVERGENCE FAILED ERROR TEST AT S = 5.850  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      1.1      0.8      0.9      0.8
  0.9      0.8      0.9      0.8      0.9      0.8      0.9      0.8
  0.8      0.9      0.9      0.9      0.9      1.0      1.0      1.0
  1.1
CONVERGENCE FAILED ERROR TEST AT S = 5.950  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.8      0.6      0.7      0.6
  0.7      0.6      0.7      0.6      0.7      0.6      0.6      0.5
  0.5      0.5      0.4      0.4      0.3      0.2      0.2      0.1
  0.1
CONVERGENCE FAILED ERROR TEST AT S = 6.050  QUADRATIC VALUE ASSIGNED
SUCCEEDING INTERPOLATED VALUES WERE      0.3      0.4      0.3      0.4

```

0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
0.2	0.2	0.2	0.2	0.1	0.0	-0.1	-0.2
-0.3							

CONVERGENCE FAILED ERROR TEST AT S = 6.100	QUADRATIC VALUE ASSIGNED
SUCCESSING INTERPOLATED VALUES WERE	1.2 1.0 1.1 1.0
1.1 1.0 0.9 0.9	0.8 0.7 0.6 0.4
0.3 0.0 -0.3 -0.7	-1.2 -1.9 -2.8 -3.9
-4.9	

CONVERGENCE FAILED ERROR TEST AT S = 6.150	QUADRATIC VALUE ASSIGNED
SUCCESSING INTERPOLATED VALUES WERE	1.2 1.1 1.3 1.2
1.3 1.4 1.5 1.6	1.8 2.1 2.4 2.8
3.5 4.3 5.5 7.0	9.1 12.3 17.8 30.9
66.6	

INTERPOLATED SI OF S

0.0	0.0
0.0500	-0.8695
0.1000	-1.7576
0.1500	-2.6641
0.2000	-3.5892
0.2500	-4.5328
0.3000	-5.4948
0.3500	-6.4754
0.4000	-6.1221
0.4500	-7.6283
0.5000	-9.0470
0.5500	-10.3782
0.6000	-11.6219
0.6500	-12.7782
0.7000	-13.8395
0.7500	-14.7888
0.8000	-15.8242
0.8500	-16.9269
0.9000	-17.7592
0.9500	-18.5589
1.0000	-19.3259
1.0500	-19.8750
1.1000	-20.2609
1.1500	-20.4319
1.2000	-20.6553
1.2500	-20.7673
1.3000	-20.6447
1.3500	-20.3093
1.4000	-19.7368
1.4500	-18.6414
1.5000	-17.2762
1.5500	-15.4727
1.6000	-12.8473
1.6500	-10.0642
1.7000	-7.0318
1.7500	-3.0728
1.8000	0.6707
1.8500	4.2544
1.9000	7.4797
1.9500	10.1447
2.0000	12.1556
2.0500	13.5054
2.1000	13.3242
2.1500	12.0830
2.2000	12.8341
2.2500	12.5739
2.3000	10.9404
2.3500	9.5968
2.4000	8.8031
2.4500	8.3796

2.5000	7.8241
2.5500	7.6429
2.6000	8.4187
2.6500	8.8979
2.7000	9.2580
2.7500	9.9310
2.8000	10.9729
2.8500	12.1720
2.9000	12.6710
2.9500	13.0690
3.0000	13.2834
3.0500	12.6321
3.1000	11.7569
3.1500	10.6213
3.2000	8.8050
3.2500	6.9781
3.3000	5.1627
3.3500	3.8093
3.4000	2.1339
3.4500	0.3335
3.5000	-0.5615
3.5500	-1.4812
3.6000	-2.4188
3.6500	-3.5356
3.7000	-3.9217
3.7500	-3.6494
3.8000	-3.7845
3.8500	-3.8040
3.9000	-3.6875
3.9500	-3.2206
4.0000	-2.9733
4.0500	-2.9457
4.1000	-2.5379
4.1500	-1.9748
4.2000	-1.2600
4.2499	-0.7997
4.2999	-0.4363
4.3499	-0.1540
4.3999	-0.0651
4.4499	0.1390
4.4999	0.6350
4.5499	1.3317
4.5999	1.5581
4.6499	1.3478
4.6999	1.6188
4.7499	1.8476
4.7999	2.0354
4.8499	2.2671
4.8999	2.3855
4.9499	2.4735
4.9999	2.7044
5.0499	2.9182
5.0999	3.0648
5.1499	2.7482
5.1999	2.4660
5.2499	2.2597
5.2999	2.3133
5.3499	2.2471
5.3999	1.9849
5.4499	1.5207
5.4999	1.2992
5.5499	1.2131
5.5999	1.1836
5.6499	1.2560
5.6999	1.2409
5.7499	1.0219

	5.7999		1.0402		
	5.8499		0.9202		
	5.8999		0.3226		
	5.9499		0.7174		
	5.9999		1.7269		
	6.0499		0.3320		
	6.0999		1.1024		
	6.1499		1.2590		
	6.1999		0.9221		
21.230	1.857	14.670	19.200	10.500	
0.338	7.151	0.601	30.180	0.008	
1.459	2.001	4.471	17.020	1.023	
2.113	2.867	4.637	14.750	1.211	

COUNTER	S	FE	FMS	FMS*EXP
1	0.0	3.7589	1.0000	1.0000
2	0.0500	3.7582	1.0004	1.0004
3	0.1000	3.7562	1.0014	1.0014
4	0.1500	3.7529	1.0032	1.0032
5	0.2000	3.7483	1.0057	1.0057
6	0.2500	3.7424	1.0088	1.0088
7	0.3000	3.7351	1.0128	1.0128
8	0.3500	3.7266	1.0174	1.0174
9	0.4000	3.7168	1.0228	1.0228
10	0.4500	3.7058	1.0289	1.0289
11	0.5000	3.6935	1.0357	1.0357
12	0.5500	3.6800	1.0433	1.0433
13	0.6000	3.6654	1.0517	1.0517
14	0.6500	3.6495	1.0608	1.0608
15	0.7000	3.6325	1.0708	1.0708
16	0.7500	3.6144	1.0815	1.0815
17	0.8000	3.5953	1.0931	1.0931
18	0.8500	3.5750	1.1055	1.1055
19	0.9000	3.5538	1.1188	1.1188
20	0.9500	3.5315	1.1329	1.1329
21	1.0000	3.5083	1.1479	1.1479
22	1.0500	3.4842	1.1639	1.1639
23	1.1000	3.4593	1.1807	1.1807
24	1.1500	3.4334	1.1986	1.1986
25	1.2000	3.4068	1.2174	1.2174
26	1.2500	3.3794	1.2372	1.2372
27	1.3000	3.3513	1.2580	1.2580
28	1.3500	3.3225	1.2799	1.2799
29	1.4000	3.2931	1.3029	1.3029
30	1.4500	3.2631	1.3270	1.3270
31	1.5000	3.2325	1.3522	1.3522
32	1.5500	3.2014	1.3786	1.3786
33	1.6000	3.1698	1.4063	1.4063
34	1.6500	3.1377	1.4351	1.4351
35	1.7000	3.1053	1.4652	1.4652
36	1.7500	3.0725	1.4967	1.4967
37	1.8000	3.0394	1.5295	1.5295
38	1.8500	3.0060	1.5636	1.5636
39	1.9000	2.9724	1.5992	1.5992
40	1.9500	2.9386	1.6362	1.6362
41	2.0000	2.9046	1.6748	1.6748
42	2.0500	2.8704	1.7148	1.7148
43	2.1000	2.8362	1.7565	1.7565
44	2.1500	2.8019	1.7997	1.7997
45	2.2000	2.7676	1.8446	1.8446
46	2.2500	2.7333	1.8913	1.8913
47	2.3000	2.6990	1.9396	1.9396
48	2.3500	2.6648	1.9898	1.9898
49	2.4000	2.6306	2.0417	2.0417

50	2.4500	2.5966	2.0955	2.0955
51	2.5000	2.5628	2.1513	2.1513
52	2.5500	2.5291	2.2090	2.2090
53	2.6000	2.4956	2.2687	2.2687
54	2.6500	2.4623	2.3304	2.3304
55	2.7000	2.4293	2.3942	2.3942
56	2.7500	2.3965	2.4602	2.4602
57	2.8000	2.3640	2.5283	2.5283
58	2.8500	2.3318	2.5986	2.5986
59	2.9000	2.2999	2.6711	2.6711
60	2.9500	2.2684	2.7459	2.7459
61	3.0000	2.2372	2.8230	2.8230
62	3.0500	2.2063	2.9025	2.9025
63	3.1000	2.1759	2.9844	2.9844
64	3.1500	2.1458	3.0686	3.0686
65	3.2000	2.1161	3.1554	3.1554
66	3.2500	2.0868	3.2445	3.2445
67	3.3000	2.0579	3.3362	3.3362
68	3.3500	2.0295	3.4304	3.4304
69	3.4000	2.0015	3.5272	3.5272
70	3.4500	1.9739	3.6265	3.6265
71	3.5000	1.9467	3.7284	3.7284
72	3.5500	1.9200	3.8329	3.8329
73	3.6000	1.8937	3.9400	3.9400
74	3.6500	1.8679	4.0497	4.0497
75	3.7000	1.8425	4.1621	4.1621
76	3.7500	1.8175	4.2771	4.2771
77	3.8000	1.7931	4.3947	4.3947
78	3.8500	1.7690	4.5149	4.5149
79	3.9000	1.7454	4.6378	4.6378
80	3.9500	1.7223	4.7633	4.7633
81	4.0000	1.6996	4.8914	4.8914
82	4.0500	1.6773	5.0221	5.0221
83	4.1000	1.6555	5.1553	5.1553
84	4.1500	1.6341	5.2912	5.2912
85	4.2000	1.6132	5.4295	5.4295
86	4.2499	1.5926	5.5704	5.5704
87	4.2999	1.5725	5.7138	5.7138
88	4.3499	1.5528	5.8596	5.8596
89	4.3999	1.5336	6.0079	6.0079
90	4.4499	1.5147	6.1585	6.1585
91	4.4999	1.4962	6.3115	6.3115
92	4.5499	1.4781	6.4668	6.4668
93	4.5999	1.4604	6.6244	6.6244
94	4.6499	1.4431	6.7842	6.7842
95	4.6999	1.4262	6.9463	6.9463
96	4.7499	1.4096	7.1104	7.1104
97	4.7999	1.3935	7.2767	7.2767
98	4.8499	1.3776	7.4450	7.4450
99	4.8999	1.3621	7.6154	7.6154
100	4.9499	1.3470	7.7877	7.7877
101	4.9999	1.3321	7.9619	7.9619
102	5.0499	1.3177	8.1379	8.1379
103	5.0999	1.3035	8.3158	8.3158
104	5.1499	1.2896	8.4955	8.4955
105	5.1999	1.2761	8.6768	8.6768
106	5.2499	1.2628	8.8599	8.8599
107	5.2999	1.2499	9.0446	9.0446
108	5.3499	1.2372	9.2308	9.2308
109	5.3999	1.2248	9.4186	9.4186
110	5.4499	1.2127	9.6079	9.6079
111	5.4999	1.2008	9.7986	9.7986
112	5.5499	1.1892	9.9907	9.9907
113	5.5999	1.1779	10.1842	10.1842
114	5.6499	1.1668	10.3789	10.3789
115	5.6999	1.1559	10.5750	10.5750

116	5.7499	1.1453	10.7724	10.7724
117	5.7999	1.1348	10.9710	10.9710
118	5.8499	1.1247	11.1707	11.1707
119	5.8999	1.1147	11.3716	11.3716
120	5.9499	1.1049	11.5737	11.5737
121	5.9999	1.0953	11.7768	11.7768
122	6.0499	1.0860	11.9810	11.9810
123	6.0999	1.0768	12.1863	12.1863
124	6.1499	1.0678	12.3927	12.3927
125	6.1999	1.0589	12.6000	12.6000

COUNTER		R	FINT	RFINT	RHOZR2	RDF	GOF
1	125	0.0	0.0	0.0	0.0	0.0	0.0
2	125	0.10	9.94	0.99	0.18	1.17	6.5
3	125	0.20	17.56	3.51	0.71	4.23	5.9
4	125	0.30	21.15	6.34	1.61	7.95	4.9
5	125	0.40	20.08	8.03	2.86	10.89	3.8
6	125	0.50	14.93	7.47	4.46	11.93	2.6
7	125	0.60	7.26	4.35	6.43	10.78	1.6
8	125	0.70	-0.88	-0.62	8.75	8.13	0.9
9	125	0.80	-7.56	-6.05	11.43	5.37	0.4
10	125	0.90	-11.53	-10.38	14.46	4.08	0.2
11	125	1.00	-12.53	-12.53	17.85	5.32	0.3
12	125	1.10	-11.33	-12.46	21.60	9.14	0.4
13	125	1.20	-9.39	-11.27	25.71	14.44	0.5
14	125	1.30	-8.40	-10.92	30.17	19.26	0.6
15	125	1.40	-9.66	-13.52	34.99	21.47	0.6
16	125	1.50	-13.70	-20.55	40.17	19.62	0.4
17	125	1.60	-20.06	-32.09	45.70	13.61	0.3
18	125	1.70	-27.39	-46.57	51.60	5.03	0.1
19	125	1.80	-33.88	-60.98	57.84	-3.13	-0.0
20	125	1.90	-37.68	-71.60	64.45	-7.15	-0.1
21	125	2.00	-37.51	-75.03	71.41	-3.62	-0.0
22	125	2.10	-32.93	-69.15	78.73	9.58	0.1
23	125	2.20	-24.47	-53.83	86.41	32.58	0.3
24	125	2.30	-13.50	-31.05	94.44	63.40	0.6
25	125	2.40	-1.86	-4.47	102.83	98.36	0.9
26	125	2.50	8.57	21.42	111.58	133.00	1.1
27	125	2.60	16.31	42.40	120.69	163.09	1.3
28	125	2.70	20.54	55.46	130.15	185.61	1.4
29	125	2.80	21.19	59.32	139.97	199.29	1.4
30	125	2.90	18.83	54.60	150.15	204.75	1.3
31	125	3.00	14.47	43.41	160.68	204.09	1.2
32	125	3.10	9.26	28.70	171.57	200.27	1.1
33	125	3.20	4.22	13.52	182.82	196.34	1.0
34	125	3.30	0.13	0.43	194.42	194.85	1.0
35	125	3.40	-2.60	-8.86	206.38	197.53	0.9
36	125	3.50	-3.87	-13.54	218.70	205.16	0.9
37	125	3.60	-3.78	-13.60	231.38	217.77	0.9
38	125	3.70	-2.58	-9.55	244.41	234.87	0.9
39	125	3.80	-0.58	-2.21	257.80	255.59	0.9
40	125	3.90	1.89	7.35	271.55	278.90	1.0
41	125	4.00	4.48	17.92	285.65	303.58	1.0
42	125	4.10	6.86	28.14	300.11	328.25	1.0
43	125	4.20	8.71	36.57	314.93	351.50	1.1
44	125	4.30	9.74	41.87	330.11	371.97	1.1
45	125	4.40	9.78	43.03	345.64	388.66	1.1
46	125	4.50	8.80	39.62	361.53	401.14	1.1
47	125	4.60	6.95	31.95	377.77	409.72	1.0
48	125	4.70	4.48	21.04	394.38	415.41	1.0
49	125	4.80	1.75	8.39	411.34	419.72	1.0
50	125	4.90	-0.89	-4.38	428.66	424.27	0.9
51	125	5.00	-3.18	-15.92	446.33	430.41	0.9
52	125	5.10	-4.99	-25.45	464.36	438.91	0.9

53	125	5.20	-6.32	-32.85	482.75	449.90	0.9
54	125	5.30	-7.26	-38.46	501.50	463.04	0.9
55	125	5.40	-7.92	-42.76	520.60	477.84	0.9
56	125	5.50	-8.36	-45.96	540.06	494.10	0.9
57	125	5.60	-8.53	-47.75	559.88	512.12	0.9
58	125	5.70	-8.30	-47.31	580.05	532.74	0.9
59	125	5.80	-7.51	-43.54	600.58	557.04	0.9
60	125	5.90	-6.03	-35.56	621.47	585.91	0.9
61	125	6.00	-3.87	-23.21	642.72	619.51	0.9
62	125	6.10	-1.21	-7.37	664.32	656.95	0.9
63	125	6.20	1.62	10.02	686.28	696.29	1.0
64	125	6.30	4.17	26.30	708.59	734.90	1.0
65	125	6.40	6.06	38.79	731.27	770.06	1.0
66	125	6.50	7.00	45.49	754.30	799.79	1.0
67	125	6.60	6.92	45.67	777.69	823.36	1.0
68	125	6.70	5.98	40.09	801.43	841.52	1.0
69	125	6.80	4.53	30.78	825.53	856.32	1.0
70	125	6.90	2.97	20.46	849.99	870.45	1.0
71	125	7.00	1.67	11.67	874.81	886.48	1.0
72	125	7.10	0.85	6.07	899.98	906.05	1.0
73	125	7.20	0.55	3.99	925.51	929.50	1.0
74	125	7.30	0.61	4.46	951.40	955.86	1.0
75	125	7.40	0.77	5.68	977.64	983.33	1.0
76	125	7.50	0.76	5.71	1004.24	1009.96	1.0
77	125	7.60	0.42	3.23	1031.20	1034.43	1.0
78	125	7.70	-0.26	-1.98	1058.52	1056.54	1.0
79	125	7.80	-1.15	-8.93	1086.19	1077.26	0.9
80	125	7.90	-2.00	-15.82	1114.22	1098.40	0.9
81	125	8.00	-2.58	-20.64	1142.61	1121.96	0.9