520/600 Series

VOLUME 1

M-Labor

General Program Library

Code Listings (No-Print Version)

WANG

520/600 Series
Volume 1

General
Program Library

Code Listings
(No-Print Version)

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Side 1

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TITLE: LINEAR REGRESSION ANALYSIS NO. 1000-2-ST3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	09 00	* M
0010	11 00	F 0
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 15	ST 15
0016	06 14	ST 14
0017	02 01	+ 1
0018	07 14	RE 14
0019	04 14	× 14
0020	02 02	+ 2
0021	00 15	E 15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	06 14	ST 14
0026	04 15	× 15
0027	02 03	+ 3
0028	07 14	RE 14
0029	02 04	+ 4
0030	07 14	RE 14
0031	04 14	× 14

Step No.	Code	Key
0032	02 05	+ 5
0033	00 01	E 1
0034	02 00	+ 0
0035	08 03	* Go
0036	08 03	* Go
0037	08 00	* S
0038	11 00	F 0
0039	09 00	* M
0040	00 00	E 0
0041	08 03	* Go
0042	08 03	* Go
0043	08 03	* Go
0044	08 03	* Go
0045	07 00	RE 0
0046	06 15	ST 15
0047	07 03	RE 3
0048	04 15	× 15
0049	07 01	RE 1
0050	06 14	ST 14
0051	07 04	RE 4
0052	04 14	× 14
0053	03 15	− 15
0054	06 06	ST 6
0055	07 00	RE 0
0056	06 15	ST 15
0057	07 02	RE 2
0058	04 15	× 15
0059	07 01	RE 1
0060	08 12	* x^2
0061	03 15	− 15
0062	06 07	ST 7
0063	07 06	RE 6

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TITLE LINEAR REGRESSION ANALYSIS NO. 1000-2-ST3 Page of

Step No.	Code	Key
0064	06 15	ST 15
0065	07 07	RE 7
0066	05 15	÷ 15
0067	08 03	* Go
0068	09 03	* SP
0069	06 09	ST 9
0070	06 14	ST 14
0071	07 04	RE 4
0072	06 15	ST 15
0073	07 01	RE 1
0074	04 14	× 14
0075	03 15	− 15
0076	07 00	RE 0
0077	05 15	÷ 15
0078	08 03	* Go
0079	09 03	* SP
0080	06 10	ST 10
0081	08 03	* Go
0082	08 03	* Go
0083	07 05	RE 5
0084	06 15	ST 15
0085	07 00	RE 0
0086	04 15	× 15
0087	07 04	RE 4
0088	08 12	* x^2
0089	03 15	− 15
0090	06 08	ST 8
0091	07 07	RE 7
0092	04 15	× 15
0093	08 13	* $\sqrt{x}$
0094	08 15	* $\frac{1}{x}$
0095	06 15	ST 15

Step No.	Code	Key
0096	07 06	RE 6
0097	04 15	× 15
0098	08 03	* Go
0099	09 03	* SP
0100	07 08	RE 8
0101	06 15	ST 15
0102	07 06	RE 6
0103	08 12	* x^2
0104	06 14	ST 14
0105	07 07	RE 7
0106	05 14	÷ 14
0107	03 15	− 15
0108	08 13	* $\sqrt{x}$
0109	06 14	ST 14
0110	07 00	RE 0
0111	05 14	÷ 14
0112	08 03	* Go
0113	08 03	* Go
0114	09 03	* SP
0115	09 00	* M
0116	10 01	f 1
0117	08 03	* Go
0118	08 03	* Go
0119	08 03	* Go
0120	08 03	* Go
0121	06 15	ST 15
0122	07 09	RE 9
0123	04 15	× 15
0124	07 10	RE 10
0125	02 15	+ 15
0126	08 03	* Go
0127	08 03	* Go

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TITLE: LINEAR REGRESSION ANALYSIS NO. 1000-2-ST3 Page of

Step No.	Code	Key
0128	09 03	* SP
0129	09 00	* M
0130	10 02	f 2
0131	08 03	* Go
0132	08 03	* Go
0133	06 15	ST 15
0134	06 14	ST 14
0135	03 01	- 1
0136	07 14	RE 14
0137	04 14	× 14
0138	03 02	- 2
0139	00 15	E 15
0140	09 03	* SP
0141	08 03	* Go
0142	08 03	* Go
0143	06 14	ST 14
0144	04 15	× 15
0145	03 03	- 3
0146	07 14	RE 14
0147	03 04	- 4
0148	07 14	RE 14
0149	04 14	× 14
0150	03 05	- 5
0151	00 01	E 1
0152	03 00	- 0
0153	08 03	* Go
0154	08 03	* Go
0155	08 00	* S
0156	11 00	F 0
0157	09 03	* SP
0158	09 14	* EP

Step No.	Code	Key

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NON-LINEAR REGRESSION:

TITLE: LEAST SQUARES PARABOLA

NO. 1001-2-ST3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	06 06	ST 6
0010	06 07	ST 7
0011	09 00	* M
0012	11 00	F 0
0013	00 15	E 15
0014	09 03	* SP
0015	08 03	* Go
0016	08 03	* Go
0017	06 15	ST 15
0018	06 14	ST 14
0019	02 01	+ 1
0020	07 14	RE 14
0021	04 14	× 14
0022	02 02	+ 2
0023	07 15	RE 15
0024	04 14	× 14
0025	02 03	+ 3
0026	07 15	RE 15
0027	04 14	× 14
0028	02 04	+ 4
0029	00 15	E 15
0030	09 03	* SP
0031	08 03	* Go
0032	08 03	* Go
0033	08 03	* Go
0034	08 03	* Go
0035	06 14	ST 14
0036	02 07	+ 7
0037	07 15	RE 15
0038	04 14	× 14
0039	02 06	+ 6
0040	07 15	RE 15
0041	04 14	× 14
0042	02 05	+ 5
0043	00 01	E 1
0044	02 00	+ 0
0045	08 00	* S
0046	11 00	F 0
0047	09 00	* M
0048	00 00	E 0
0049	08 03	* Go
0050	08 03	* Go
0051	07 02	RE 2
0052	06 15	ST 15
0053	07 04	RE 4
0054	04 15	× 15
0055	07 03	RE 3
0056	08 12	* x^2
0057	03 15	− 15
0058	07 00	RE 0
0059	04 15	× 15
0060	06 08	ST 8
0061	07 01	RE 1
0062	06 15	ST 15
0063	07 04	RE 4

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NON-LINEAR REGRESSION:

TITLE: LEAST SQUARES PARABOLA

NO. 1001-2-ST3 Page of

Step No.	Code	Key
0064	04 15	× 15
0065	07 02	RE 2
0066	06 14	ST 14
0067	07 03	RE 3
0068	04 14	× 14
0069	03 15	− 15
0070	07 01	RE 1
0071	04 15	× 15
0072	03 08	− 8
0073	07 01	RE 1
0074	06 15	ST 15
0075	07 03	RE 3
0076	04 15	× 15
0077	07 02	RE 2
0078	08 12	* x^2
0079	03 15	− 15
0080	07 02	RE 2
0081	04 15	× 15
0082	02 08	+ 8
0083	07 02	RE 2
0084	06 15	ST 15
0085	07 04	RE 4
0086	04 15	× 15
0087	07 03	RE 3
0088	08 12	* x^2
0089	03 15	− 15
0090	07 07	RE 7
0091	04 15	× 15
0092	06 09	ST 9
0093	07 06	RE 6
0094	06 15	ST 15
0095	07 04	RE 4

Step No.	Code	Key
0096	04 15	× 15
0097	07 05	RE 5
0098	06 14	ST 14
0099	07 03	RE 3
0100	04 14	× 14
0101	03 15	− 15
0102	07 01	RE 1
0103	04 15	× 15
0104	03 09	− 9
0105	07 06	RE 6
0106	06 15	ST 15
0107	07 03	RE 3
0108	04 15	× 15
0109	07 05	RE 5
0110	06 14	ST 14
0111	07 02	RE 2
0112	04 14	× 14
0113	03 15	− 15
0114	07 02	RE 2
0115	04 15	× 15
0116	02 09	+ 9
0117	07 08	RE 8
0118	05 09	÷ 9
0119	08 03	* G_{10}
0120	08 03	* G_{10}
0121	08 03	* G_{10}
0122	09 03	* SP
0123	07 06	RE 6
0124	06 15	ST 15
0125	07 04	RE 4
0126	04 15	× 15
0127	07 05	RE 5

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NON-LINEAR REGRESSION:

TITLE: LEAST SQUARES PARABOLA

NO. 1001-2-ST3 Page of

Step No.	Code	Key
0128	06 14	ST 14
0129	07 03	RE 3
0130	04 14	× 14
0131	03 15	− 15
0132	07 00	RE 0
0133	04 15	× 15
0134	06 10	ST 10
0135	07 01	RE 1
0136	06 15	ST 15
0137	07 04	RE 4
0138	04 15	× 15
0139	07 02	RE 2
0140	06 14	ST 14
0141	07 03	RE 3
0142	04 14	× 14
0143	03 15	− 15
0144	07 07	RE 7
0145	04 15	× 15
0146	03 10	− 10
0147	07 01	RE 1
0148	06 15	ST 15
0149	07 05	RE 5
0150	04 15	× 15
0151	07 02	RE 2
0152	06 14	ST 14
0153	07 06	RE 6
0154	04 14	× 14
0155	03 15	− 15
0156	07 02	RE 2
0157	04 15	× 15
0158	02 10	+ 10
0159	07 08	RE 8

Step No.	Code	Key
0160	05 10	÷ 10
0161	08 03	* Gn
0162	09 03	* SP
0163	07 02	RE 2
0164	06 15	ST 15
0165	07 05	RE 5
0166	04 15	× 15
0167	07 03	RE 3
0168	06 14	ST 14
0169	07 06	RE 6
0170	04 14	× 14
0171	03 15	− 15
0172	07 00	RE 0
0173	04 15	× 15
0174	06 11	ST 11
0175	07 01	RE 1
0176	06 15	ST 15
0177	07 05	RE 5
0178	04 15	× 15
0179	07 02	RE 2
0180	06 14	ST 14
0181	07 06	RE 6
0182	04 14	× 14
0183	03 15	− 15
0184	07 01	RE 1
0185	04 15	× 15
0186	03 11	− 11
0187	07 01	RE 1
0188	06 15	ST 15
0189	07 03	RE 3
0190	04 15	× 15
0191	07 02	RE 2

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TITLE: NON-LINEAR REGRESSION: LEAST SQUARES PARABOLA

NO. 1001-2-ST3 Page of

Step No.	Code	Key
0192	08 12	* x^2
0193	03 15	−15
0194	07 07	RE7
0195	04 15	×15
0196	02 11	+11
0197	07 08	RE8
0198	05 11	÷11
0199	08 03	* Go
0200	08 03	* Go
0201	09 03	* SP
0202	09 00	* M
0203	10 01	f1
0204	08 03	* Go
0205	08 03	* Go
0206	08 03	* Go
0207	08 03	* Go
0208	06 15	ST15
0209	06 14	ST14
0210	04 14	×14
0211	07 11	RE11
0212	04 14	×14
0213	07 10	RE10
0214	04 15	×15
0215	02 14	+14
0216	07 09	RE9
0217	02 14	+14
0218	08 03	* Go
0219	09 03	* SP
0220	09 03	* SP
0221	09 00	* M
0222	10 02	f2
0223	08 03	* Go

Step No.	Code	Key
0224	08 03	* Go
0225	06 15	ST15
0226	06 14	ST14
0227	03 01	−1
0228	07 14	RE14
0229	04 14	×14
0230	03 02	−2
0231	07 15	RE15
0232	04 14	×14
0233	03 03	−3
0234	07 15	RE15
0235	04 14	×14
0236	03 04	−4
0237	00 15	E15
0238	09 03	* SP
0239	08 03	* Go
0240	08 03	* Go
0241	08 03	* Go
0242	08 03	* Go
0243	06 14	ST14
0244	03 07	−7
0245	07 15	RE15
0246	04 14	×14
0247	03 06	−6
0248	07 15	RE15
0249	04 14	×14
0250	03 05	−5
0251	00 01	E1
0252	03 00	−0
0253	08 00	* S
0254	11 00	F0
0255	09 03	* SP

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TITLE: NON-LINEAR REGRESSION: LEAST SQUARES PARABOLA

NO. 1001-2-ST3 Page of

Step No.	Code	Key
0256	09 14	* EP

Step No.	Code	Key

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TITLE: NON-LINEAR REGRESSION: LEAST SQUARES POWER CURVE

NO. 1002-2-ST3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f0
0002	00 00	E0
0003	06 00	ST0
0004	06 01	ST1
0005	06 02	ST2
0006	06 03	ST3
0007	06 04	ST4
0008	06 05	ST5
0009	09 00	* M
0010	11 12	F12
0011	00 15	E15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	08 10	* LN
0016	06 14	ST14
0017	02 01	+1
0018	07 14	RE14
0019	08 12	* x^2
0020	02 04	+4
0021	00 15	E15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	08 10	* LN
0026	06 15	ST15
0027	02 02	+2
0028	07 15	RE15
0029	08 12	* x^2
0030	02 05	+5
0031	07 15	RE15
0032	04 14	×14
0033	02 03	+3
0034	00 01	E1
0035	02 00	+0
0036	08 03	* Go
0037	08 03	* Go
0038	08 00	* S
0039	11 12	F12
0040	09 00	* M
0041	00 00	E0
0042	08 03	* Go
0043	08 03	* Go
0044	07 03	RE3
0045	06 14	ST14
0046	07 00	RE0
0047	04 14	×14
0048	07 01	RE1
0049	06 15	ST15
0050	07 02	RE2
0051	04 15	×15
0052	03 14	−14
0053	06 06	ST6
0054	07 04	RE4
0055	06 15	ST15
0056	07 00	RE0
0057	04 15	×15
0058	07 01	RE1
0059	08 12	* x^2
0060	03 15	−15
0061	06 07	ST7
0062	05 14	÷14
0063	08 03	* Go

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NON-LINEAR REGRESSION:

TITLE: LEAST SQUARES POWER CURVE

NO. 1002-2-ST3 Page of

Step No.	Code	Key
0064	08 03	* Go
0065	06 09	ST 9
0066	08 03	* Go
0067	09 03	* SP
0068	07 01	RE 1
0069	04 14	× 14
0070	07 02	RE 2
0071	06 15	ST 15
0072	07 14	RE 14
0073	03 15	− 15
0074	07 00	RE 0
0075	05 15	÷ 15
0076	08 11	* e^x
0077	06 08	ST 8
0078	08 03	* Go
0079	09 03	* SP
0080	08 03	* Go
0081	08 03	* Go
0082	07 05	RE 5
0083	06 15	ST 15
0084	07 00	RE 0
0085	04 15	× 15
0086	07 02	RE 2
0087	08 12	* x^2
0088	03 15	− 15
0089	07 07	RE 7
0090	04 15	× 15
0091	08 13	* $\sqrt{x}$
0092	06 14	ST 14
0093	07 06	RE 6
0094	06 15	ST 15
0095	07 14	RE 14

Step No.	Code	Key
0096	05 15	÷ 15
0097	08 03	* Go
0098	08 03	* Go
0099	09 03	* SP
0100	09 00	* M
0101	10 01	f 1
0102	08 03	* Go
0103	08 03	* Go
0104	08 03	* Go
0105	08 03	* Go
0106	08 10	* LN
0107	06 14	ST 14
0108	07 09	RE 9
0109	04 14	× 14
0110	08 11	* e^x
0111	06 14	ST 14
0112	07 08	RE 8
0113	04 14	× 14
0114	08 03	* Go
0115	09 03	* SP
0116	08 03	* Go
0117	08 03	* Go
0118	09 03	* SP
0119	09 00	* M
0120	10 02	f 2
0121	08 03	* Go
0122	08 03	* Go
0123	08 10	* LN
0124	06 14	ST 14
0125	03 01	− 1
0126	07 14	RE 14
0127	08 12	* x^2

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NON-LINEAR REGRESSION:

TITLE: LEAST SQUARES POWER CURVE NO. 1002-2-ST3 Page of

Step No.	Code	Key
0128	03 04	- 4
0129	00 15	E 15
0130	09 03	* SP
0131	08 03	* G_0
0132	08 03	* G_0
0133	08 10	* LN
0134	06 15	ST 15
0135	03 02	- 2
0136	07 15	RE 15
0137	08 12	* x^2
0138	03 05	- 5
0139	07 15	RE 15
0140	04 14	× 14
0141	03 03	- 3
0142	00 01	E 1
0143	03 00	- 0
0144	08 03	* G_0
0145	08 03	* G_0
0146	08 00	* S
0147	11 12	F 12
0148	09 03	* SP
0149	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: LEAST SQUARES FIT - EXPONENTIAL NO. 1003-2-ST3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	09 00	* M
0010	11 00	F 0
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 15	ST 15
0016	06 14	ST 14
0017	02 01	+ 1
0018	07 14	RE 14
0019	04 14	× 14
0020	02 02	+ 2
0021	00 15	E 15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	08 10	* LN
0026	06 14	ST 14
0027	02 04	+ 4
0028	07 14	RE 14
0029	04 15	× 15
0030	02 03	+ 3
0031	07 14	RE 14
0032	04 14	× 14
0033	02 05	+ 5
0034	00 01	E 1
0035	02 00	+ 0
0036	08 03	* Go
0037	08 03	* Go
0038	08 00	* S
0039	11 00	F 0
0040	09 00	* M
0041	00 00	E 0
0042	08 03	* Go
0043	08 03	* Go
0044	08 03	* Go
0045	08 03	* Go
0046	07 00	RE 0
0047	06 15	ST 15
0048	07 03	RE 3
0049	04 15	× 15
0050	07 01	RE 1
0051	06 14	ST 14
0052	07 04	RE 4
0053	04 14	× 14
0054	03 15	− 15
0055	06 06	ST 6
0056	07 02	RE 2
0057	06 14	ST 14
0058	07 00	RE 0
0059	04 14	× 14
0060	07 01	RE 1
0061	08 12	* x^2
0062	03 14	− 14
0063	06 07	ST 7

Remarks:

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TITLE: LEAST SQUARES FIT - EXPONENTIAL NO. 1003-2-ST3 Page of

Step No.	Code	Key
0064	05 15	÷ 15
0065	06 14	ST 14
0066	08 03	* Go
0067	09 03	* SP
0068	06 08	ST 8
0069	07 01	RE 1
0070	04 14	× 14
0071	07 04	RE 4
0072	06 15	ST 15
0073	07 14	RE 14
0074	03 15	− 15
0075	07 00	RE 0
0076	05 15	÷ 15
0077	08 11	* e^x
0078	08 03	* Go
0079	09 03	* SP
0080	06 09	ST 9
0081	08 03	* Go
0082	08 03	* Go
0083	07 07	RE 7
0084	06 14	ST 14
0085	07 00	RE 0
0086	06 15	ST 15
0087	07 05	RE 5
0088	04 15	× 15
0089	07 04	RE 4
0090	08 12	* x^2
0091	03 15	− 15
0092	07 07	RE 7
0093	04 15	× 15
0094	08 13	* $\sqrt{x}$
0095	06 15	ST 15

Step No.	Code	Key
0096	07 06	RE 6
0097	06 14	ST 14
0098	07 15	RE 15
0099	05 14	÷ 14
0100	08 03	* Go
0101	08 03	* Go
0102	09 03	* SP
0103	09 00	* M
0104	10 01	f 1
0105	08 03	* Go
0106	08 03	* Go
0107	08 03	* Go
0108	08 03	* Go
0109	06 15	ST 15
0110	07 08	RE 8
0111	04 15	× 15
0112	08 11	* e^x
0113	06 15	ST 15
0114	07 09	RE 9
0115	04 15	× 15
0116	08 03	* Go
0117	08 03	* Go
0118	09 03	* SP
0119	09 00	* M
0120	10 02	f 2
0121	08 03	* Go
0122	08 03	* Go
0123	06 15	ST 15
0124	06 14	ST 14
0125	03 01	− 1
0126	07 14	RE 14
0127	04 14	× 14

Remarks:

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TITLE: LEAST SQUARES FIT - EXPONENTIAL NO. 1003-2-ST3 Page of

Step No.	Code	Key
0128	03 02	- 2
0129	00 15	E 15
0130	09 03	* SP
0131	08 03	* Go
0132	08 03	* Go
0133	08 10	* LN
0134	06 14	ST 14
0135	03 04	- 4
0136	07 14	RE 14
0137	04 15	× 15
0138	03 03	- 3
0139	07 14	RE 14
0140	04 14	× 14
0141	03 05	- 5
0142	00 01	E 1
0143	03 00	- 0
0144	08 03	* Go
0145	08 03	* Go
0146	08 00	* S
0147	11 00	F 0
0148	09 03	* SP
0149	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: LEAST SQUARES FIT - EXPONENTIAL(General) NO. 1004-2-ST3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	09 00	* M
0010	11 00	F 0
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 15	ST 15
0016	06 14	ST 14
0017	02 01	+ 1
0018	07 14	RE 14
0019	04 14	× 14
0020	02 02	+ 2
0021	00 15	E 15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	08 10	* LN
0026	06 14	ST 14
0027	02 04	+ 4
0028	07 14	RE 14
0029	04 15	× 15
0030	02 03	+ 3
0031	07 14	RE 14
0032	04 14	× 14
0033	02 05	+ 5
0034	00 01	E 1
0035	02 00	+ 0
0036	08 03	* Go
0037	08 03	* Go
0038	08 00	* S
0039	11 00	F 0
0040	09 00	* M
0041	00 00	E 0
0042	08 03	* Go
0043	08 03	* Go
0044	08 03	* Go
0045	08 03	* Go
0046	07 00	RE 0
0047	06 15	ST 15
0048	07 03	RE 3
0049	04 15	× 15
0050	07 01	RE 1
0051	06 14	ST 14
0052	07 04	RE 4
0053	04 14	× 14
0054	03 15	− 15
0055	06 06	ST 6
0056	07 02	RE 2
0057	06 14	ST 14
0058	07 00	RE 0
0059	04 14	× 14
0060	07 01	RE 1
0061	08 12	* x^2
0062	03 14	− 14
0063	06 07	ST 7

Remarks:

BLOCK 5, Verify 2030

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TITLE: LEAST SQUARES FIT-EXPONENTIAL(General) NO. 1004-2-ST3 Page of

Step No.	Code	Key
0064	05 15	÷15
0065	06 14	ST14
0066	08 11	* e^x
0067	08 03	* Go
0068	09 03	* SP
0069	06 08	ST8
0070	07 01	RE1
0071	04 14	×14
0072	07 04	RE4
0073	06 15	ST15
0074	07 14	RE14
0075	03 15	−15
0076	07 00	RE0
0077	05 15	÷15
0078	08 11	* e^x
0079	08 03	* Go
0080	09 03	* SP
0081	06 09	ST9
0082	08 03	* Go
0083	08 03	* Go
0084	07 07	RE7
0085	06 14	ST14
0086	07 00	RE0
0087	06 15	ST15
0088	07 05	RE5
0089	04 15	×15
0090	07 04	RE4
0091	08 12	* x^2
0092	03 15	−15
0093	07 07	RE7
0094	04 15	×15
0095	08 13	* $\sqrt{x}$

Step No.	Code	Key
0096	06 15	ST15
0097	07 06	RE6
0098	06 14	ST14
0099	07 15	RE15
0100	05 14	÷14
0101	08 03	* Go
0102	08 03	* Go
0103	09 03	* SP
0104	09 00	* M
0105	10 01	f1
0106	08 03	* Go
0107	08 03	* Go
0108	08 03	* Go
0109	08 03	* Go
0110	06 15	ST15
0111	07 08	RE8
0112	08 10	* LN
0113	04 15	×15
0114	08 11	* e^x
0115	06 14	ST14
0116	07 09	RE9
0117	04 14	×14
0118	08 03	* Go
0119	08 03	* Go
0120	09 03	* SP
0121	09 00	* M
0122	10 02	f2
0123	08 03	* Go
0124	08 03	* Go
0125	06 15	ST15
0126	06 14	ST14
0127	03 01	−1

Remarks:

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TITLE: LEAST SQUARES FIT-EXPONENTIAL (General) NO. 1004-2-ST3 Page of

Step No.	Code	Key
0128	07 14	RE 14
0129	04 14	× 14
0130	03 02	− 2
0131	00 15	E 15
0132	08 03	* Go
0133	08 03	* Go
0134	09 03	* SP
0135	08 10	* LN
0136	06 14	ST 14
0137	03 04	− 4
0138	07 14	RE 14
0139	04 15	× 15
0140	03 03	− 3
0141	07 14	RE 14
0142	04 14	× 14
0143	03 05	− 5
0144	00 01	E 1
0145	03 00	− 0
0146	08 03	* Go
0147	08 03	* Go
0148	08 00	* S
0149	11 00	F 0
0150	09 03	* SP
0151	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: LEAST SQUARES FIT - HYPERBOLIC NO. 1005-2-ST3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	09 00	* M
0009	11 00	F 0
0010	00 15	E 15
0011	09 03	* SP
0012	08 03	* Go
0013	08 03	* Go
0014	08 12	* x^2
0015	06 14	ST 14
0016	06 15	ST 15
0017	02 01	+ 1
0018	07 14	RE 14
0019	04 14	× 14
0020	02 02	+ 2
0021	00 15	E 15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	08 12	* x^2
0026	06 14	ST 14
0027	02 04	+ 4
0028	07 14	RE 14
0029	04 15	× 15
0030	02 03	+ 3
0031	00 01	E 1
0032	02 00	+ 0
0033	08 03	* Go
0034	08 03	* Go
0035	08 00	* S
0036	11 00	F 0
0037	09 00	* M
0038	00 00	E 0
0039	08 03	* Go
0040	08 03	* Go
0041	08 03	* Go
0042	08 03	* Go
0043	07 01	RE 1
0044	08 12	* x^2
0045	06 15	ST 15
0046	07 00	RE 0
0047	06 14	ST 14
0048	07 02	RE 2
0049	04 14	× 14
0050	03 15	− 15
0051	06 05	ST 5
0052	07 04	RE 4
0053	06 15	ST 15
0054	07 01	RE 1
0055	04 15	× 15
0056	07 00	RE 0
0057	06 14	ST 14
0058	07 03	RE 3
0059	04 14	× 14
0060	03 15	− 15
0061	07 05	RE 5
0062	05 15	÷ 15
0063	06 06	ST 6

Remarks:

BLOCK 6, Verify 1794

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TITLE: LEAST SQUARES FIT - HYPERBOLIC NO. 1005-2-ST3 Page of

Step No.	Code	Key
0064	07 01	RE 1
0065	06 15	ST 15
0066	07 03	RE 3
0067	04 15	× 15
0068	07 04	RE 4
0069	06 14	ST 14
0070	07 02	RE 2
0071	04 14	× 14
0072	03 15	− 15
0073	07 05	RE 5
0074	05 15	÷ 15
0075	06 07	ST 7
0076	08 13	* √x
0077	06 07	ST 7
0078	08 03	* Go
0079	09 03	* SP
0080	06 14	ST 14
0081	07 06	RE 6
0082	08 13	* √x
0083	05 14	÷ 14
0084	06 06	ST 6
0085	08 03	* Go
0086	08 03	* Go
0087	09 03	* SP
0088	09 00	* M
0089	10 01	f 1
0090	08 03	* Go
0091	08 03	* Go
0092	08 03	* Go
0093	08 03	* Go
0094	08 12	* x^2
0095	06 15	ST 15

Step No.	Code	Key
0096	07 06	RE 6
0097	08 12	* x^2
0098	05 15	÷ 15
0099	00 01	E 1
0100	02 15	+ 15
0101	08 13	* √x
0102	06 15	ST 15
0103	07 07	RE 7
0104	04 15	× 15
0105	08 03	* Go
0106	08 03	* Go
0107	09 03	* SP
0108	09 00	* M
0109	10 02	f 2
0110	08 03	* Go
0111	08 03	* Go
0112	08 12	* x^2
0113	06 14	ST 14
0114	06 15	ST 15
0115	03 01	− 1
0116	07 14	RE 14
0117	04 14	× 14
0118	03 02	− 2
0119	00 15	E 15
0120	08 03	* Go
0121	08 03	* Go
0122	09 03	* SP
0123	08 12	* x^2
0124	06 14	ST 14
0125	03 04	− 4
0126	07 14	RE 14
0127	04 15	× 15

Remarks:

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TITLE: LEAST SQUARES FIT - HYPERBOLIC NO. 1005-2-ST3 Page of

Step No.	Code	Key
0128	03 03	- 3
0129	00 01	E 1
0130	03 00	- 0
0131	08 03	* Go
0132	08 03	* Go
0133	08 00	* S
0134	11 00	F 0
0135	09 03	* SP
0136	09 14	* EP

Step No.	Code	Key

Remarks:

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t-STATISTICS, TESTING POPULATION

TITLE: MEAN $\mu = \mu_o$ NO. 1006-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	00 15	E 15
0007	09 03	* SP
0008	06 03	ST 3
0009	08 03	* G_o
0010	08 03	* G_o
0011	08 03	* G_o
0012	08 03	* G_o
0013	09 00	* M
0014	11 00	F 0
0015	00 15	E 15
0016	09 03	* SP
0017	08 03	* G_o
0018	08 03	* G_o
0019	06 15	ST 15
0020	02 01	+ 1
0021	07 15	RE 15
0022	04 15	× 15
0023	02 02	+ 2
0024	00 01	E 1
0025	02 00	+ 0
0026	08 00	* S
0027	11 00	F 0
0028	09 00	* M
0029	00 00	E 0
0030	07 01	RE 1
0031	06 15	ST 15

Step No.	Code	Key
0032	07 03	RE 3
0033	06 14	ST 14
0034	07 00	RE 0
0035	04 14	× 14
0036	03 15	− 15
0037	07 00	RE 0
0038	06 14	ST 14
0039	00 01	E 1
0040	03 14	− 14
0041	08 13	* $\sqrt{x}$
0042	04 15	× 15
0043	07 02	RE 2
0044	06 14	ST 14
0045	07 00	RE 0
0046	04 14	× 14
0047	07 01	RE 1
0048	08 12	* x^2
0049	03 14	− 14
0050	08 13	* $\sqrt{x}$
0051	05 15	÷ 15
0052	08 03	* G_o
0053	08 03	* G_o
0054	08 03	* G_o
0055	08 03	* G_o
0056	08 03	* G_o
0057	08 03	* G_o
0058	09 03	* SP
0059	09 00	* M
0060	10 02	f 2
0061	08 03	* G_o
0062	08 03	* G_o
0063	06 15	ST 15

Remarks:

BLOCK 7, Verify 866

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t-STATISTICS, TESTING POPULATION

TITLE: MEAN $\mu = \mu_0$

NO. 1006-2-ST2 Page of

Step No.	Code	Key
0064	03 01	- 1
0065	07 15	RE 15
0066	04 15	× 15
0067	03 02	- 2
0068	00 01	E 1
0069	03 00	- 0
0070	08 00	* S
0071	11 00	F 0
0072	09 03	* SP
0073	09 14	* EP

Step No.	Code	Key

Remarks:

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t-STATISTICS, TESTING CORRELATION

TITLE: COEFFICIENTS $\rho = 0$ NO. 1007-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	09 00	* M
0010	11 00	F 0
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 15	ST 15
0016	06 14	ST 14
0017	02 01	+ 1
0018	07 14	RE 14
0019	04 14	× 14
0020	02 02	+ 2
0021	00 15	E 15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	06 14	ST 14
0026	02 04	+ 4
0027	07 14	RE 14
0028	04 15	× 15
0029	02 03	+ 3
0030	07 14	RE 14
0031	04 14	× 14
0032	02 05	+ 5
0033	00 01	E 1
0034	02 00	+ 0
0035	08 03	* Go
0036	08 03	* Go
0037	08 00	* S
0038	11 00	F 0
0039	09 00	* M
0040	00 00	E 0
0041	07 00	RE 0
0042	06 15	ST 15
0043	07 03	RE 3
0044	04 15	× 15
0045	07 01	RE 1
0046	06 14	ST 14
0047	07 04	RE 4
0048	04 14	× 14
0049	03 15	− 15
0050	06 06	ST 6
0051	07 00	RE 0
0052	06 15	ST 15
0053	07 02	RE 2
0054	04 15	× 15
0055	07 01	RE 1
0056	08 12	* x^2
0057	03 15	− 15
0058	07 00	RE 0
0059	06 14	ST 14
0060	07 05	RE 5
0061	04 14	× 14
0062	07 04	RE 4
0063	08 12	* x^2

Remarks:

BLOCK 8, Verify 1517

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t-STATISTICS, TESTING CORRELATION

TITLE: COEFFICIENTS $\rho = 0$ NO. 1007-2-ST2 Page of

Step No.	Code	Key
0064	03 14	− 14
0065	04 15	× 15
0066	08 13	* $\sqrt{x}$
0067	05 06	÷ 6
0068	08 12	* x^2
0069	06 14	ST 14
0070	00 01	E 1
0071	06 15	ST 15
0072	07 14	RE 14
0073	03 15	− 15
0074	08 13	* $\sqrt{x}$
0075	05 06	÷ 6
0076	07 00	RE 0
0077	06 14	ST 14
0078	00 02	E 2
0079	03 14	− 14
0080	08 13	* $\sqrt{x}$
0081	04 06	× 6
0082	08 03	* Go
0083	08 03	* Go
0084	08 03	* Go
0085	08 03	* Go
0086	08 03	* Go
0087	09 03	* SP
0088	09 03	* SP
0089	09 00	* M
0090	10 02	f 2
0091	08 03	* Go
0092	08 03	* Go
0093	06 15	ST 15
0094	06 14	ST 14
0095	03 01	− 1

Step No.	Code	Key
0096	07 14	RE 14
0097	04 14	× 14
0098	03 02	− 2
0099	00 15	E 15
0100	09 03	* SP
0101	08 03	* Go
0102	08 03	* Go
0103	06 14	ST 14
0104	03 04	− 4
0105	07 14	RE 14
0106	04 15	× 15
0107	03 03	− 3
0108	07 14	RE 14
0109	04 14	× 14
0110	03 05	− 5
0111	00 01	E 1
0112	03 00	− 0
0113	08 03	* Go
0114	08 03	* Go
0115	08 00	* S
0116	11 00	F 0
0117	09 03	* SP
0118	09 14	* EP

Remarks:

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t-STATISTICS, TESTING LINEAR

TITLE: REGRESSION NO. 1008-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	00 15	E 15
0010	09 03	* SP
0011	06 06	ST 6
0012	08 03	* Go
0013	08 03	* Go
0014	08 03	* Go
0015	08 03	* Go
0016	09 00	* M
0017	11 00	F 0
0018	00 15	E 15
0019	09 03	* SP
0020	08 03	* Go
0021	08 03	* Go
0022	06 15	ST 15
0023	06 14	ST 14
0024	02 01	+ 1
0025	07 14	RE 14
0026	04 14	× 14
0027	02 02	+ 2
0028	00 15	E 15
0029	09 03	* SP
0030	08 03	* Go
0031	08 03	* Go

Step No.	Code	Key
0032	06 14	ST 14
0033	02 04	+ 4
0034	07 14	RE 14
0035	04 15	× 15
0036	02 03	+ 3
0037	07 14	RE 14
0038	04 14	× 14
0039	02 05	+ 5
0040	00 01	E 1
0041	02 00	+ 0
0042	08 03	* Go
0043	08 03	* Go
0044	08 00	* S
0045	11 00	F 0
0046	09 00	* M
0047	00 00	E 0
0048	07 00	RE 0
0049	06 15	ST 15
0050	07 03	RE 3
0051	04 15	× 15
0052	07 01	RE 1
0053	06 14	ST 14
0054	07 04	RE 4
0055	04 14	× 14
0056	03 15	− 15
0057	06 07	ST 7
0058	07 00	RE 0
0059	06 14	ST 14
0060	07 02	RE 2
0061	04 14	× 14
0062	07 01	RE 1
0063	08 12	* x^2

Remarks:

BLOCK 9, Verify 1862

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TITLE: t-STATISTICS, TESTING LINEAR REGRESSION NO. 1008-2-ST2 Page of

Step No.	Code	Key
0064	03 14	− 14
0065	06 08	ST 8
0066	05 15	÷ 15
0067	06 09	ST 9
0068	07 05	RE 5
0069	06 14	ST 14
0070	07 04	RE 4
0071	08 12	* x^2
0072	06 15	ST 15
0073	07 00	RE 0
0074	05 15	÷ 15
0075	03 14	− 14
0076	07 09	RE 9
0077	06 15	ST 15
0078	07 00	RE 0
0079	05 15	÷ 15
0080	07 07	RE 7
0081	04 15	× 15
0082	03 14	− 14
0083	07 00	RE 0
0084	06 15	ST 15
0085	00 02	E 2
0086	03 15	− 15
0087	05 14	÷ 14
0088	08 13	* $\sqrt{x}$
0089	06 14	ST 14
0090	07 08	RE 8
0091	06 15	ST 15
0092	07 00	RE 0
0093	05 15	÷ 15
0094	08 13	* $\sqrt{x}$
0095	06 15	ST 15

Step No.	Code	Key
0096	07 14	RE 14
0097	05 15	÷ 15
0098	07 09	RE 9
0099	06 14	ST 14
0100	07 06	RE 6
0101	03 14	− 14
0102	04 15	× 15
0103	08 03	* G_{00}
0104	08 03	* G_{00}
0105	08 03	* G_{00}
0106	08 03	* G_{00}
0107	08 03	* G_{00}
0108	09 03	* SP
0109	09 03	* SP
0110	09 00	* M
0111	10 02	f 2
0112	08 03	* G_{00}
0113	08 03	* G_{00}
0114	06 15	ST 15
0115	06 14	ST 14
0116	03 01	− 1
0117	07 14	RE 14
0118	04 14	× 14
0119	03 02	− 2
0120	00 15	E 15
0121	09 03	* SP
0122	08 03	* G_{00}
0123	08 03	* G_{00}
0124	06 14	ST 14
0125	03 04	− 4
0126	07 14	RE 14
0127	04 15	× 15

Remarks:

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TITLE: t-STATISTICS, TESTING LINEAR REGRESSION NO. 1008-2-ST2 Page of

Step No.	Code	Key
0128	03 03	- 3
0129	07 14	÷ 14
0130	04 14	× 14
0131	03 05	- 5
0132	00 01	E 1
0133	03 00	- 0
0134	08 03	* G_{30}
0135	08 03	* G_{30}
0136	08 00	* S
0137	11 00	F 0
0138	09 03	* SP
0139	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: t-STATISTICS, TESTING FOR SIGNIFICANCE
DIFFERENCE IN MEAN (Paired)

NO. 1009-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	09 00	* M
0007	11 00	F 0
0008	00 15	E 15
0009	09 03	* SP
0010	08 03	* Go
0011	08 03	* Go
0012	06 14	ST 14
0013	00 15	E 15
0014	09 03	* SP
0015	08 03	* Go
0016	08 03	* Go
0017	03 14	− 14
0018	02 01	+ 1
0019	07 14	RE 14
0020	08 12	* x^2
0021	02 02	+ 2
0022	00 01	E 1
0023	02 00	+ 0
0024	08 03	* Go
0025	08 03	* Go
0026	08 00	* S
0027	11 00	F 0
0028	09 00	* M
0029	00 00	E 0
0030	07 02	RE 2
0031	06 15	ST 15
0032	07 00	RE 0
0033	05 15	÷ 15
0034	07 01	RE 1
0035	06 14	ST 14
0036	07 00	RE 0
0037	05 14	÷ 14
0038	08 12	* x^2
0039	03 15	− 15
0040	08 13	* $\sqrt{x}$
0041	08 15	* $\frac{1}{x}$
0042	06 15	ST 15
0043	07 01	RE 1
0044	09 13	* |x|
0045	04 15	× 15
0046	07 00	RE 0
0047	06 14	ST 14
0048	05 15	÷ 15
0049	00 01	E 1
0050	03 14	− 14
0051	08 13	* $\sqrt{x}$
0052	04 15	× 15
0053	08 03	* Go
0054	08 03	* Go
0055	08 03	* Go
0056	08 03	* Go
0057	08 03	* Go
0058	09 03	* SP
0059	09 03	* SP
0060	09 00	* M
0061	10 02	f 2
0062	08 03	* Go
0063	08 03	* Go

Remarks:

BLOCK 10, Verify 1002

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t-STATISTICS, TESTING FOR SIGNIFICANCE

TITLE: DIFFERENCE IN MEAN (Paired)

NO. 1009-2-ST2 Page of

Step No.	Code	Key
0064	06 14	ST 14
0065	00 15	E 15
0066	09 03	* SP
0067	08 03	* G_{30}
0068	08 03	* G_{30}
0069	03 14	- 14
0070	03 01	- 1
0071	07 14	$\sqrt{}$ 14
0072	08 12	* x^2
0073	03 02	- 2
0074	00 01	E 1
0075	03 00	- 0
0076	08 03	* G_{30}
0077	08 03	* G_{30}
0078	08 00	* S
0079	11 00	F 0
0080	09 03	* SP
0081	09 14	* EP

Step No.	Code	Key

Remarks:

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t-STATISTICS TESTING FOR SIGNIFICANCE

TITLE: DIFFERENCE IN MEAN (Unpaired) NO. 1010-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 00	E 0
0003	06 00	ST 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	06 05	ST 5
0009	09 00	* M
0010	11 00	F 0
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 15	ST 15
0016	02 01	+ 1
0017	07 15	RE 15
0018	04 15	× 15
0019	02 02	+ 2
0020	00 01	E 1
0021	02 00	+ 0
0022	08 00	* S
0023	11 00	F 0
0024	09 00	* M
0025	10 01	f 1
0026	08 03	* Go
0027	08 03	* Go
0028	09 00	* M
0029	11 01	F 1
0030	00 15	E 15
0031	09 03	* SP
0032	08 03	* Go
0033	08 03	* Go
0034	06 15	ST 15
0035	02 04	+ 4
0036	07 15	RE 15
0037	04 15	× 15
0038	02 05	+ 5
0039	00 01	E 1
0040	02 03	+ 3
0041	08 00	* S
0042	11 01	F 1
0043	09 00	* M
0044	00 00	E 0
0045	08 03	* Go
0046	08 03	* Go
0047	08 03	* Go
0048	08 03	* Go
0049	07 02	RE 2
0050	06 15	ST 15
0051	07 05	RE 5
0052	02 15	+ 15
0053	07 01	RE 1
0054	08 12	* x^2
0055	06 14	ST 14
0056	07 00	RE 0
0057	05 14	÷ 14
0058	03 15	− 15
0059	07 04	RE 4
0060	08 12	* x^2
0061	06 14	ST 14
0062	07 03	RE 3
0063	05 14	÷ 14

Remarks:

BLOCK 11, Verify 1511

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t-STATISTICS TESTING FOR SIGNIFICANCE

TITLE: DIFFERENCE IN MEAN (Unpaired) NO. 1010-2-ST2 Page of

Step No.	Code	Key
0064	03 15	− 15
0065	07 00	RE 0
0066	06 14	ST 14
0067	07 03	RE 3
0068	02 14	+ 14
0069	04 15	× 15
0070	00 02	E 2
0071	03 14	− 14
0072	05 15	÷ 15
0073	07 00	RE 0
0074	05 15	÷ 15
0075	07 03	RE 3
0076	05 15	÷ 15
0077	08 13	* √x
0078	06 06	ST 6
0079	07 04	RE 4
0080	06 15	ST 15
0081	07 03	RE 3
0082	05 15	÷ 15
0083	07 01	RE 1
0084	06 14	ST 14
0085	07 00	RE 0
0086	05 14	÷ 14
0087	03 15	− 15
0088	09 13	* |x|
0089	06 15	ST 15
0090	07 06	RE 6
0091	05 15	÷ 15
0092	08 03	* Go
0093	09 03	* SP
0094	09 03	* SP
0095	09 00	* M

Step No.	Code	Key
0096	10 02	f 2
0097	08 03	* Go
0098	08 03	* Go
0099	06 15	ST 15
0100	03 01	− 1
0101	07 15	RE 15
0102	04 15	× 15
0103	03 02	− 2
0104	00 01	E 1
0105	03 00	− 0
0106	08 00	* S
0107	11 00	F 0
0108	09 00	* M
0109	10 03	f 3
0110	08 03	* Go
0111	08 03	* Go
0112	06 15	ST 15
0113	03 04	− 4
0114	07 15	RE 15
0115	04 15	× 15
0116	03 05	− 5
0117	00 01	E 1
0118	03 03	− 3
0119	08 00	* S
0120	11 01	F 1
0121	09 03	* SP
0122	09 14	* EP

Remarks:

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χ^2-STATISTICS, TESTING POPULATION

TITLE: VARIANCE $\sigma^2 = \sigma^2$ NO. 1011-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 00	ST 0
0003	08 03	* Go
0004	08 03	* Go
0005	08 03	* Go
0006	08 03	* Go
0007	00 00	E 0
0008	06 01	ST 1
0009	06 02	ST 2
0010	06 03	ST 3
0011	09 00	* M
0012	11 00	F 0
0013	00 15	E 15
0014	09 03	* SP
0015	06 15	ST 15
0016	08 03	* Go
0017	08 03	* Go
0018	02 02	+ 2
0019	07 15	RE 15
0020	08 12	* x^2
0021	02 03	+ 3
0022	00 01	E 1
0023	02 01	+ 1
0024	08 00	* S
0025	11 00	F 0
0026	09 00	* M
0027	00 00	E 0
0028	07 03	RE 3
0029	06 15	ST 15
0030	07 01	RE 1
0031	04 15	× 15
0032	07 02	RE 2
0033	08 12	* x^2
0034	03 15	− 15
0035	07 00	RE 0
0036	05 15	÷ 15
0037	07 01	RE 1
0038	05 15	÷ 15
0039	08 03	* Go
0040	08 03	* Go
0041	08 03	* Go
0042	08 03	* Go
0043	09 03	* SP
0044	09 00	* M
0045	10 02	f 2
0046	06 15	ST 15
0047	08 03	* Go
0048	08 03	* Go
0049	03 02	− 2
0050	07 15	RE 15
0051	08 12	* x^2
0052	03 03	− 3
0053	00 01	E 1
0054	03 01	− 1
0055	08 00	* S
0056	11 00	F 0
0057	09 03	* SP
0058	09 14	* EP

Remarks:

BLOCK 12, Verify 658

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χ^2-STATISTICS FOR OBSERVED FREQUENCIES
TITLE: AND EXPECTED FREQUENCIES NO. 1012-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	08 03	* Go
0005	08 03	* Go
0006	06 01	ST 1
0007	00 00	E 0
0008	06 00	ST 0
0009	09 00	* M
0010	11 01	F 1
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 15	ST 15
0016	07 01	RE 1
0017	03 15	− 15
0018	08 12	* x^2
0019	02 00	+ 0
0020	08 00	* S
0021	11 01	F 1
0022	09 00	* M
0023	00 00	E 0
0024	07 00	RE 0
0025	06 15	ST 15
0026	07 01	RE 1
0027	05 15	÷ 15
0028	08 03	* Go
0029	08 03	* Go
0030	08 03	* Go
0031	08 03	* Go

Step No.	Code	Key
0032	09 03	* SP
0033	09 00	* M
0034	10 02	f 2
0035	08 03	* Go
0036	08 03	* Go
0037	06 15	ST 15
0038	07 01	RE 1
0039	03 15	− 15
0040	08 12	* x^2
0041	03 00	− 0
0042	08 00	* S
0043	11 01	F 1
0044	09 03	* SP
0045	09 14	* EP

Remarks:

BLOCK 13, Verify 524

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TITLE: POISSON DISTRIBUTION NO. 1013-2-ST2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 01	ST 1
0003	08 03	* Go
0004	08 03	* Go
0005	00 15	E 15
0006	09 03	* SP
0007	06 04	ST 4
0008	08 03	* Go
0009	08 03	* Go
0010	08 03	* Go
0011	08 03	* Go
0012	00 00	E 0
0013	06 15	ST 15
0014	07 04	RE 4
0015	00 12	E 12
0016	08 11	* e^x
0017	06 05	ST 5
0018	06 06	ST 6
0019	07 01	RE 1
0020	08 04	* Jo
0021	08 00	* S
0022	11 01	F 1
0023	07 05	RE 5
0024	08 03	* Go
0025	09 03	* SP
0026	08 03	* Go
0027	08 03	* Go
0028	09 03	* SP
0029	09 00	* M
0030	11 01	F 1
0031	00 01	E 1

Step No.	Code	Key
0032	02 15	+ 15
0033	07 04	RE 4
0034	06 14	ST 14
0035	07 15	RE 15
0036	05 14	÷ 14
0037	07 05	RE 5
0038	04 14	× 14
0039	06 05	ST 5
0040	02 06	+ 6
0041	07 15	RE 15
0042	06 14	ST 14
0043	07 01	RE 1
0044	03 14	− 14
0045	08 04	* Jo
0046	08 00	* S
0047	11 01	F 1
0048	07 05	RE 5
0049	08 03	* Go
0050	09 03	* SP
0051	07 06	RE 6
0052	08 03	* Go
0053	08 03	* Go
0054	09 03	* SP
0055	09 14	* EP

Remarks:

BLOCK 14, Verify 688

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TITLE: MEAN, VARIANCE, STANDARD DEVIATION (Ungrouped)

NO. 1014-2-ST1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 14	E 14
0003	00 00	E 0
0004	08 03	* G_{10}
0005	08 03	* G_{10}
0006	09 00	* M
0007	00 02	E 2
0008	09 03	* SP
0009	08 03	* G_{10}
0010	08 03	* G_{10}
0011	06 04	ST 4
0012	02 00	+ 0
0013	07 04	RE 4
0014	08 12	* x^2
0015	02 01	+ 1
0016	00 01	E 1
0017	02 02	+ 2
0018	07 00	RE 0
0019	06 15	ST 15
0020	07 02	RE 2
0021	05 15	÷ 15
0022	06 03	ST 3
0023	08 12	* x^2
0024	06 15	ST 15
0025	07 02	RE 2
0026	06 14	ST 14
0027	00 12	E 12
0028	04 15	× 15
0029	07 01	RE 1
0030	02 15	+ 15
0031	00 01	E 1

Step No.	Code	Key
0032	03 14	− 14
0033	08 04	* J_{10}
0034	05 15	÷ 15
0035	08 03	* G_{10}
0036	08 13	* $\sqrt{x}$
0037	06 14	ST 14
0038	07 03	RE 3
0039	08 00	* S
0040	00 02	E 2
0041	09 00	* M
0042	10 01	f 1
0043	08 03	* G_{10}
0044	08 03	* G_{10}
0045	06 03	ST 3
0046	07 02	RE 2
0047	08 03	* G_{10}
0048	09 03	* SP
0049	07 03	RE 3
0050	08 03	* G_{10}
0051	09 03	* SP
0052	07 15	RE 15
0053	08 03	* G_{10}
0054	09 03	* SP
0055	07 14	RE 14
0056	08 03	* G_{10}
0057	08 03	* G_{10}
0058	09 03	* SP
0059	09 14	* EP

Remarks:

BLOCK 15, Verify 704

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TITLE: MEAN, VARIANCE, STANDARD DEVIATION (Grouped)

NO. 1015-2-ST1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 14	E 14
0003	08 03	* Go
0004	08 03	* Go
0005	09 00	* M
0006	00 02	E 2
0007	09 03	* SP
0008	08 03	* Go
0009	08 03	* Go
0010	06 03	ST 3
0011	02 00	+ 0
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 04	ST 4
0016	04 03	× 3
0017	02 01	+ 1
0018	07 04	RE 4
0019	04 03	× 3
0020	02 02	+ 2
0021	07 02	RE 2
0022	06 15	ST 15
0023	07 01	RE 1
0024	08 12	* x^2
0025	06 14	ST 14
0026	07 00	RE 0
0027	05 14	÷ 14
0028	03 15	− 15
0029	07 00	RE 0
0030	06 14	ST 14
0031	00 01	E 1

Step No.	Code	Key
0032	03 14	− 14
0033	08 04	* Go
0034	05 15	÷ 15
0035	08 03	* Go
0036	08 13	* $\sqrt{x}$
0037	06 14	ST 14
0038	07 01	RE 1
0039	06 03	ST 3
0040	07 00	RE 0
0041	05 03	÷ 3
0042	08 00	* S
0043	00 02	E 2
0044	09 00	* M
0045	10 01	f 1
0046	08 03	* Go
0047	08 03	* Go
0048	08 03	* Go
0049	09 03	* SP
0050	07 15	RE 15
0051	08 03	* Go
0052	09 03	* SP
0053	07 14	RE 14
0054	08 03	* Go
0055	08 03	* Go
0056	09 03	* SP
0057	09 14	* EP

Remarks:

BLOCK 16, Verify 668

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TITLE: RANDOM NUMBER GENERATOR NO. 1016-2-ST6 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	09 13	* |x|
0003	06 15	ST 15
0004	00 01	E 1
0005	03 15	- 15
0006	08 05	* J+
0007	08 00	* S
0008	00 02	E 2
0009	08 15	* 1/x
0010	06 15	ST 15
0011	00 01	E 1
0012	03 15	- 15
0013	09 00	* M
0014	00 02	E 2
0015	00 01	E 1
0016	02 15	+ 15
0017	09 00	* M
0018	00 03	E 3
0019	10 01	f 1
0020	06 14	ST 14
0021	08 00	* S
0022	00 05	E 5
0023	09 00	* M
0024	10 01	f 1
0025	09 13	* |x|
0026	06 15	ST 15
0027	08 10	* LN
0028	04 15	× 15
0029	08 11	* e^x
0030	09 02	* α
0031	10 02	f 2
0032	06 15	ST 15
0033	09 12	* I
0034	03 15	- 15
0035	00 02	E 2
0036	04 15	× 15
0037	00 01	E 1
0038	03 15	- 15
0039	09 15	* RT
0040	09 00	* M
0041	00 04	E 4
0042	10 14	f 14
0043	08 00	* S
0044	00 03	E 3
0045	09 00	* M
0046	10 14	f 14
0047	07 14	NE 14
0048	08 03	* Go
0049	08 03	* Go
0050	09 15	* RT
0051	09 00	* M
0052	10 15	f 15
0053	10 14	f 14
0054	08 00	* S
0055	00 03	E 3
0056	09 00	* M
0057	00 05	E 5
0058	07 14	NE 14
0059	09 03	* SP
0060	08 00	* S
0061	00 03	E 3
0062	09 14	* EP

Remarks:

BLOCK 17, Verify 816

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TITLE: MATRIX ADDITION

NO. 1017-2-MA2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	≠0
0002	06 07	ST7
0003	00 15	E15
0004	09 03	* SP
0005	06 01	ST1
0006	01 06	T6
0007	09 00	* M
0008	00 00	E0
0009	00 08	E8
0010	06 02	ST2
0011	00 01	E1
0012	02 06	+6
0013	01 04	T4
0014	09 00	* M
0015	00 01	E1
0016	01 03	T3
0017	00 01	E1
0018	02 04	+4
0019	06 05	ST5
0020	09 00	* M
0021	00 02	E2
0022	00 01	E1
0023	02 02	+2
0024	00 01	E1
0025	02 03	+3
0026	00 10	E10
0027	00 00	E0
0028	00 01	E1
0029	02 05	+5
0030	07 06	RE6
0031	06 00	ST0
0032	00 03	E3
0033	09 02	* α
0034	08 04	* J0
0035	08 00	* S
0036	00 03	E3
0037	07 05	RE5
0038	09 02	* α
0039	09 03	* SP
0040	15 11	D11
0041	07 02	RE2
0042	09 03	* SP
0043	07 07	RE7
0044	06 00	ST0
0045	07 01	RE1
0046	04 00	×0
0047	00 08	E8
0048	02 00	+0
0049	07 02	RE2
0050	09 02	* α
0051	08 04	* J0
0052	08 00	* S
0053	00 05	E5
0054	09 15	* RT
0055	09 00	* M
0056	00 03	E3
0057	07 05	RE5
0058	09 03	* SP
0059	06 08	ST8
0060	07 06	RE6
0061	06 00	ST0
0062	00 01	E1
0063	09 02	* α

Remarks:

BLOCK 18, Verify 823

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TITLE: MATRIX ADDITION NO. 1017-2-MA2 Page of

Step No.	Code	Key
0064	08 04	* J_0
0065	08 00	* S
0066	00 04	E 4
0067	07 08	RE 8
0068	15 11	D 11
0069	06 02	ST 2
0070	09 00	* M
0071	00 05	E 5
0072	07 01	RE 1
0073	06 00	ST 0
0074	07 03	RE 3
0075	09 02	* α
0076	08 04	* J_0
0077	08 00	* S
0078	00 02	E 2
0079	07 07	RE 7
0080	06 00	ST 0
0081	07 04	RE 4
0082	09 02	* α
0083	08 04	* J_0
0084	08 00	* S
0085	00 01	E 1
0086	08 00	* S
0087	00 00	E 0
0088	09 00	* M
0089	00 04	E 4
0090	07 08	RE 8
0091	15 11	D 11
0092	02 02	+ 2
0093	08 00	* S
0094	00 05	E 5
0095	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: MATRIX SUBTRACTION

NO. 1018-2-MA2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 01	f 1
0002	06 07	ST 7
0003	00 15	E 15
0004	09 03	* SP
0005	06 01	ST 1
0006	01 06	T 6
0007	09 00	* M
0008	00 00	E 0
0009	00 08	E 8
0010	06 02	ST 2
0011	00 01	E 1
0012	02 06	+ 6
0013	01 04	T 4
0014	09 00	* M
0015	00 01	E 1
0016	01 03	T 3
0017	00 01	E 1
0018	02 04	+ 4
0019	06 05	ST 5
0020	09 00	* M
0021	00 02	E 2
0022	00 01	E 1
0023	02 02	+ 2
0024	00 01	E 1
0025	02 03	+ 3
0026	00 10	E 10
0027	00 00	E 0
0028	00 01	E 1
0029	02 05	+ 5
0030	07 06	RE 6
0031	06 00	ST 0

Step No.	Code	Key
0032	00 03	E 3
0033	09 02	* α
0034	08 04	* J_0
0035	08 00	* S
0036	00 03	E 3
0037	07 05	RE 5
0038	09 02	* α
0039	09 03	* SP
0040	15 11	D 11
0041	07 02	RE 2
0042	09 03	* SP
0043	07 07	RE 7
0044	06 00	ST 0
0045	07 01	RE 1
0046	04 00	× 0
0047	00 08	E 8
0048	02 00	+ 0
0049	07 02	RE 2
0050	09 02	* α
0051	08 04	* J_0
0052	08 00	* S
0053	00 05	E 5
0054	09 15	* RT
0055	09 00	* M
0056	00 03	E 3
0057	07 05	RE 5
0058	09 03	* SP
0059	06 08	ST 8
0060	07 06	RE 6
0061	06 00	ST 0
0062	00 01	E 1
0063	09 02	* α

Remarks:

BLOCK 19, Verify 825

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TITLE: MATRIX SUBTRACTION NO. 1018-2-MA2 Page of

Step No.	Code	Key
0064	08 04	* J_0
0065	08 00	* S
0066	00 04	E 4
0067	07 08	RE 8
0068	15 11	D 11
0069	06 02	ST 2
0070	09 00	* M
0071	00 05	E 5
0072	07 01	RE 1
0073	06 00	ST 0
0074	07 03	RE 3
0075	09 02	* α
0076	08 04	* J_0
0077	08 00	* S
0078	00 02	E 2
0079	07 07	RE 7
0080	06 00	ST 0
0081	07 04	RE 4
0082	09 02	* α
0083	08 04	* J_0
0084	08 00	* S
0085	00 01	E 1
0086	08 00	* S
0087	00 00	E 0
0088	09 00	* M
0089	00 04	E 4
0090	07 08	RE 8
0091	15 11	D 11
0092	03 02	- 2
0093	08 00	* S
0094	00 05	E 5
0095	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: MATRIX MULTIPLICATION

NO. 1019-2-MA2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 02	f 2
0002	06 12	ST 12
0003	00 15	E 15
0004	09 03	* SP
0005	06 01	ST 1
0006	00 15	E 15
0007	09 03	* SP
0008	06 11	ST 11
0009	00 01	E 1
0010	00 02	E 2
0011	06 02	ST 2
0012	01 06	T 6
0013	09 00	* M
0014	00 00	E 0
0015	00 01	E 1
0016	02 06	+ 6
0017	01 04	T 4
0018	09 00	* M
0019	00 01	E 1
0020	01 03	T 3
0021	00 01	E 1
0022	02 04	+ 4
0023	06 05	ST 5
0024	09 00	* M
0025	00 02	E 2
0026	00 01	E 1
0027	02 02	+ 2
0028	00 01	E 1
0029	02 03	+ 3
0030	00 01	E 1
0031	09 02	* α
0032	11 02	F 2
0033	02 05	+ 5
0034	09 03	* SP
0035	15 11	DI 11
0036	06 02	ST 2
0037	07 06	RE 6
0038	06 00	ST 0
0039	00 01	E 1
0040	09 02	* α
0041	08 04	* Jo
0042	08 00	* S
0043	00 03	E 3
0044	07 01	RE 1
0045	06 00	ST 0
0046	07 03	RE 3
0047	09 02	* α
0048	08 04	* Jo
0049	08 00	* S
0050	00 02	E 2
0051	07 12	RE 12
0052	06 00	ST 0
0053	07 04	RE 4
0054	09 02	* α
0055	08 04	* Jo
0056	08 00	* S
0057	00 01	E 1
0058	08 00	* S
0059	00 00	E 0
0060	09 00	* M
0061	00 03	E 3
0062	07 11	RE 11
0063	06 00	ST 0

Remarks:

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TITLE: MATRIX MULTIPLICATION NO. 1019-2-MA2 Page of

Step No.	Code	Key
0064	07 03	RE 3
0065	09 02	* α
0066	08 04	* I_0
0067	08 00	* S
0068	00 02	E 2
0069	07 01	RE 1
0070	06 00	ST 0
0071	07 04	RE 4
0072	09 02	* α
0073	08 04	* I_0
0074	08 00	* S
0075	00 01	E 1
0076	00 01	E 1
0077	00 02	E 2
0078	14 00	C 0
0079	03 00	- 0
0080	06 09	ST 9
0081	01 04	T 4
0082	09 00	* M
0083	00 04	E 4
0084	00 01	E 1
0085	02 04	+ 4
0086	07 12	RE 12
0087	06 00	ST 0
0088	07 01	RE 1
0089	04 00	× 0
0090	00 01	E 1
0091	00 02	E 2
0092	02 00	+ 0
0093	07 11	RE 11
0094	03 00	- 0
0095	06 03	ST 3

Step No.	Code	Key
0096	07 01	RE 1
0097	06 00	ST 0
0098	07 11	RE 11
0099	04 00	× 0
0100	02 03	+ 3
0101	09 00	* M
0102	00 05	E 5
0103	07 01	RE 1
0104	02 09	+ 9
0105	01 08	T 8
0106	09 00	* M
0107	00 06	E 6
0108	07 01	RE 1
0109	06 00	ST 0
0110	07 11	RE 11
0111	04 00	× 0
0112	03 03	- 3
0113	00 01	E 1
0114	02 03	+ 3
0115	00 01	E 1
0116	02 08	+ 8
0117	01 06	T 6
0118	01 07	T 7
0119	07 09	RE 9
0120	06 02	ST 2
0121	09 00	* M
0122	00 07	E 7
0123	00 01	E 1
0124	02 02	+ 2
0125	00 01	E 1
0126	02 07	+ 7
0127	07 11	RE 11

Remarks:

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TITLE: MATRIX MULTIPLICATION

NO. 1019-2-MA2 Page of

Step No.	Code	Key
0128	02 03	+ 3
0129	15 11	D11
0130	07 02	RE 2
0131	06 05	ST 5
0132	06 00	ST 0
0133	15 11	D11
0134	07 03	RE 3
0135	04 00	× 0
0136	02 06	+ 6
0137	07 01	RE 1
0138	06 00	ST 0
0139	07 07	RE 7
0140	09 02	* α
0141	08 04	* J_0
0142	08 00	* S
0143	00 07	E 7
0144	07 08	RE 8
0145	09 02	* α
0146	11 02	F 2
0147	06 00	ST 0
0148	07 04	RE 4
0149	02 00	+ 0
0150	09 02	* α
0151	09 03	* SP
0152	07 06	RE 6
0153	09 03	* SP
0154	07 08	RE 8
0155	06 00	ST 0
0156	07 11	RE 11
0157	09 02	* α
0158	08 04	* J_0
0159	08 00	* S

Step No.	Code	Key
0160	00 06	E 6
0161	07 04	RE 4
0162	06 00	ST 0
0163	07 12	RE 12
0164	09 02	* α
0165	08 04	* J_0
0166	08 00	* S
0167	00 04	E 4
0168	09 14	* EP

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TITLE: MATRIX INVERSION NO. 1020-2-MA3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 03	f 3
0002	06 08	ST 8
0003	08 12	* x^2
0004	06 02	ST 2
0005	00 09	E 9
0006	06 01	ST 1
0007	06 00	ST 0
0008	02 02	+ 2
0009	01 04	T 4
0010	01 07	T 7
0011	09 00	* M
0012	01 00	T 0
0013	07 08	RE 8
0014	02 01	+ 1
0015	00 01	E 1
0016	02 04	+ 4
0017	06 05	ST 5
0018	09 00	* M
0019	00 00	E 0
0020	00 01	E 1
0021	02 00	+ 0
0022	00 10	E 10
0023	00 00	E 0
0024	00 01	E 1
0025	02 05	+ 5
0026	09 03	* SP
0027	15 11	D 11
0028	06 00	ST 0
0029	07 01	RE 1
0030	09 02	* α
0031	08 04	* J_0

Step No.	Code	Key
0032	08 00	* S
0033	00 00	E 0
0034	07 02	RE 2
0035	09 02	* α
0036	08 04	* J_0
0037	08 00	* S
0038	01 00	T 0
0039	09 00	* M
0040	00 01	E 1
0041	00 01	E 1
0042	02 07	+ 7
0043	07 08	RE 8
0044	06 04	ST 4
0045	00 09	E 9
0046	02 04	+ 4
0047	01 05	T 5
0048	00 01	E 1
0049	00 00	E 0
0050	06 00	ST 0
0051	15 11	D 11
0052	07 00	RE 0
0053	06 03	ST 3
0054	08 15	* $\frac{1}{x}$
0055	09 04	* J_4
0056	08 03	* I_{10}
0057	09 03	* SP
0058	15 11	D 11
0059	06 00	ST 0
0060	09 00	* M
0061	00 02	E 2
0062	00 01	E 1
0063	02 00	+ 0

Remarks:

BLOCK 21, Verify 2840

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TITLE: MATRIX INVERSION

NO. 1020-2-MA2 Page of

Step No.	Code	Key
0064	07 03	RE 3
0065	15 11	D 11
0066	05 00	÷ 0
0067	07 04	RE 4
0068	09 02	* α
0069	08 04	* J_0
0070	08 00	* S
0071	00 02	E 2
0072	09 00	* M
0073	00 03	E 3
0074	07 08	RE 8
0075	02 05	+ 5
0076	07 08	RE 8
0077	02 04	+ 4
0078	00 01	E 1
0079	00 00	E 0
0080	06 06	ST 6
0081	06 00	ST 0
0082	07 05	RE 5
0083	02 00	+ 0
0084	15 11	D 11
0085	07 00	RE 0
0086	06 01	ST 1
0087	06 09	ST 9
0088	07 03	RE 3
0089	05 09	÷ 9
0090	00 00	E 0
0091	14 09	C 9
0092	03 09	− 9
0093	15 11	D 11
0094	06 00	ST 0
0095	09 00	* M
0096	00 04	E 4
0097	00 01	E 1
0098	02 06	+ 6
0099	06 00	ST 0
0100	07 05	RE 5
0101	02 00	+ 0
0102	15 11	D 11
0103	07 06	RE 6
0104	06 09	ST 9
0105	07 01	RE 1
0106	04 09	× 9
0107	15 11	D 11
0108	03 00	− 0
0109	07 04	RE 4
0110	09 02	* α
0111	08 04	* J_0
0112	08 00	* S
0113	00 04	E 4
0114	07 02	RE 2
0115	09 02	* α
0116	08 04	* J_0
0117	08 00	* S
0118	00 03	E 3
0119	00 09	E 9
0120	06 06	ST 6
0121	02 05	+ 5
0122	09 00	* M
0123	00 05	E 5
0124	00 01	E 1
0125	02 06	+ 6
0126	00 01	E 1
0127	02 05	+ 5

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TITLE: MATRIX INVERSION NO. 1020-2-MA2 Page of

Step No.	Code	Key
0128	06 00	STO
0129	15 11	D11
0130	07 05	RE5
0131	15 11	D11
0132	14 06	C6
0133	15 11	D11
0134	06 05	ST5
0135	07 02	RE2
0136	09 02	* α
0137	08 04	* J_0
0138	08 00	* S
0139	00 05	E5
0140	00 01	E1
0141	00 03	E3
0142	09 02	* α
0143	08 04	* J_0
0144	08 00	* S
0145	00 06	E6
0146	08 00	* S
0147	00 08	E8
0148	09 00	* M
0149	00 06	E6
0150	07 08	RE8
0151	03 05	-5
0152	00 09	E9
0153	06 06	ST6
0154	09 00	* M
0155	00 07	E7
0156	00 01	E1
0157	02 06	+6
0158	06 00	STO
0159	07 08	RE8

Step No.	Code	Key
0160	02 00	+0
0161	15 11	D11
0162	07 06	RE6
0163	15 11	D11
0164	14 00	C0
0165	15 11	D11
0166	06 06	ST6
0167	07 05	RE5
0168	09 02	* α
0169	08 04	* J_0
0170	08 00	* S
0171	00 07	E7
0172	09 00	* M
0173	00 08	E8
0174	00 01	E1
0175	00 00	E0
0176	06 06	ST6
0177	07 08	RE8
0178	03 06	-6
0179	00 09	E9
0180	06 01	ST1
0181	09 00	* M
0182	00 09	E9
0183	07 08	RE8
0184	02 06	+6
0185	07 08	RE8
0186	02 01	+1
0187	06 00	STO
0188	15 11	D11
0189	07 00	RE0
0190	15 11	D11
0191	14 06	C6

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TITLE: MATRIX INVERSION

NO. 1020-2-MA2 Page of

Step No.	Code	Key
0192	15 11	D11
0193	06 00	ST0
0194	07 02	RE2
0195	09 02	* α
0196	08 04	* J0
0197	08 00	* S
0198	00 09	E9
0199	00 01	E1
0200	00 03	E3
0201	09 02	* α
0202	08 04	* J0
0203	08 00	* S
0204	00 10	E10
0205	08 00	* S
0206	00 13	E13
0207	09 00	* M
0208	00 10	E10
0209	00 01	E1
0210	03 01	-1
0211	00 01	E1
0212	02 05	+5
0213	00 09	E9
0214	06 04	ST4
0215	09 00	* M
0216	00 11	E11
0217	00 01	E1
0218	02 04	+4
0219	06 06	ST6
0220	00 01	E1
0221	02 05	+5
0222	07 08	RE8
0223	03 06	-6

Step No.	Code	Key
0224	09 00	* M
0225	00 12	E12
0226	07 08	RE8
0227	02 06	+6
0228	06 00	ST0
0229	00 01	E1
0230	02 00	+0
0231	15 11	D11
0232	07 06	RE6
0233	15 11	D11
0234	14 00	C0
0235	15 11	D11
0236	06 06	ST6
0237	07 05	RE5
0238	09 02	* α
0239	08 04	* J0
0240	08 00	* S
0241	00 12	E12
0242	07 01	RE1
0243	09 02	* α
0244	08 04	* J0
0245	08 00	* S
0246	00 11	E11
0247	09 00	* M
0248	00 13	E13
0249	07 07	RE7
0250	06 00	ST0
0251	07 08	RE8
0252	09 02	* α
0253	08 04	* J0
0254	08 00	* S
0255	00 01	E1

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TITLE: MATRIX INVERSION NO. 1020-2-MA2 Page of

Step No.	Code	Key
0256	00 09	E 9
0257	06 01	ST 1
0258	06 00	ST 0
0259	01 04	T 4
0260	09 00	* M
0261	00 14	E 14
0262	07 08	RE 8
0263	02 01	+ 1
0264	00 01	E 1
0265	02 04	+ 4
0266	06 05	ST 5
0267	09 00	* M
0268	00 15	E 15
0269	00 01	E 1
0270	02 00	+ 0
0271	00 10	E 10
0272	00 00	E 0
0273	00 01	E 1
0274	02 05	+ 5
0275	09 02	* α
0276	09 03	* SP
0277	15 11	D 11
0278	07 00	RE 0
0279	09 03	* SP
0280	07 01	RE 1
0281	09 02	* α
0282	08 04	* J_0
0283	08 00	* S
0284	00 15	E 15
0285	07 02	RE 2
0286	09 02	* α
0287	08 04	* J_0
0288	08 00	* S
0289	00 14	E 14
0290	09 15	* RT
0291	09 14	* EP

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TITLE: SOLUTION OF n SIMULTANEOUS EQUATIONS NO. 1021-2-MA3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 04	f 4
0002	06 08	ST 8
0003	00 01	E 1
0004	02 08	+ 8
0005	00 08	E 8
0006	06 02	ST 2
0007	01 03	T 3
0008	09 00	* M
0009	00 00	E 0
0010	01 04	T 4
0011	00 01	E 1
0012	02 03	+ 3
0013	06 05	ST 5
0014	09 00	* M
0015	00 01	E 1
0016	00 01	E 1
0017	02 04	+ 4
0018	00 01	E 1
0019	02 02	+ 2
0020	00 10	E 10
0021	00 00	E 0
0022	00 01	E 1
0023	02 05	+ 5
0024	07 08	RE 8
0025	06 00	ST 0
0026	00 01	E 1
0027	03 00	- 0
0028	07 04	RE 4
0029	09 02	* α
0030	08 05	* J+
0031	07 03	RE 3

Step No.	Code	Key
0032	06 05	ST 5
0033	07 05	RE 5
0034	09 03	* SP
0035	15 11	D 11
0036	06 02	ST 2
0037	00 01	E 1
0038	02 00	+ 0
0039	07 04	RE 4
0040	09 02	* α
0041	08 04	* J0
0042	08 00	* S
0043	00 01	E 1
0044	00 01	E 1
0045	03 00	- 0
0046	07 03	RE 3
0047	09 02	* α
0048	08 04	* J0
0049	08 00	* S
0050	00 00	E 0
0051	01 01	T 1
0052	09 00	* M
0053	00 02	E 2
0054	11 00	F 0
0055	06 03	ST 3
0056	06 04	ST 4
0057	15 11	D 11
0058	07 04	RE 4
0059	08 04	* J0
0060	08 00	* S
0061	00 03	E 3
0062	09 00	* M
0063	00 04	E 4

Remarks:

BLOCK 22, Verify 2583

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TITLE: SOLUTION OF n SIMULTANEOUS EQUATIONS NO. 1021-2-MA3 Page of

Step No.	Code	Key
0064	07 08	RE 8
0065	06 00	ST 0
0066	00 01	E 1
0067	03 00	− 0
0068	00 01	E 1
0069	02 05	+ 5
0070	14 00	C 0
0071	09 02	* α
0072	08 06	* ↓N
0073	08 00	* S
0074	00 05	E 5
0075	07 08	RE 8
0076	02 02	+ 2
0077	15 11	D 11
0078	07 02	RE 2
0079	09 04	* J↓
0080	08 00	* S
0081	00 04	E 4
0082	07 01	RE 1
0083	06 05	ST 5
0084	09 00	* M
0085	00 06	E 6
0086	15 11	D 11
0087	07 03	RE 3
0088	15 11	D 11
0089	14 02	C 2
0090	15 11	D 11
0091	06 03	ST 3
0092	00 01	E 1
0093	02 02	+ 2
0094	00 01	E 1
0095	02 03	+ 3

Step No.	Code	Key
0096	00 01	E 1
0097	02 05	+ 5
0098	06 00	ST 0
0099	07 08	RE 8
0100	09 02	* α
0101	08 05	* J↓
0102	08 00	* S
0103	00 06	E 6
0104	09 00	* M
0105	00 03	E 3
0106	07 08	RE 8
0107	06 00	ST 0
0108	07 04	RE 4
0109	02 00	+ 0
0110	06 06	ST 6
0111	07 01	RE 1
0112	06 07	ST 7
0113	09 00	* M
0114	00 07	E 7
0115	07 04	RE 4
0116	06 03	ST 3
0117	07 01	RE 1
0118	06 05	ST 5
0119	07 06	RE 6
0120	06 02	ST 2
0121	09 00	* M
0122	00 08	E 8
0123	07 04	RE 4
0124	06 00	ST 0
0125	07 03	RE 3
0126	09 02	* α
0127	08 06	* ↓N

Remarks:

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TITLE: SOLUTION OF n SIMULTANEOUS EQUATIONS NO. 1021-2-MA3 Page of

Step No.	Code	Key
0128	08 00	* S
0129	00 09	E 9
0130	15 11	D 11
0131	07 00	RE 0
0132	15 11	D 11
0133	05 03	÷ 3
0134	09 04	* J
0135	08 00	* S
0136	00 09	E 9
0137	15 11	D 11
0138	04 06	× 6
0139	15 11	D 11
0140	03 02	− 2
0141	15 11	D 11
0142	07 03	RE 3
0143	15 11	D 11
0144	05 06	÷ 6
0145	09 00	* M
0146	00 09	E 9
0147	00 01	E 1
0148	02 02	+ 2
0149	00 01	E 1
0150	02 03	+ 3
0151	00 01	E 1
0152	02 05	+ 5
0153	06 00	ST 0
0154	07 08	RE 8
0155	09 02	* α
0156	08 05	* J_4
0157	08 00	* S
0158	00 08	E 8
0159	00 01	E 1

Step No.	Code	Key
0160	15 11	D 11
0161	06 04	ST 4
0162	02 07	+ 7
0163	07 08	RE 8
0164	06 00	ST 0
0165	02 06	+ 6
0166	00 02	E 2
0167	03 00	− 0
0168	07 07	RE 7
0169	09 02	* α
0170	08 04	* J_0
0171	08 00	* S
0172	00 07	E 7
0173	00 01	E 1
0174	02 01	+ 1
0175	09 02	* α
0176	08 04	* J_0
0177	08 00	* S
0178	00 02	E 2
0179	11 00	F 0
0180	00 01	E 1
0181	02 00	+ 0
0182	06 04	ST 4
0183	15 11	D 11
0184	07 02	RE 2
0185	15 11	D 11
0186	05 04	÷ 4
0187	09 05	* J_E
0188	08 00	* S
0189	00 10	E 10
0190	09 00	* M
0191	00 05	E 5

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TITLE: SOLUTION OF n SIMULTANEOUS EQUATIONS NO. 1021-2-MA3 Page of

Step No.	Code	Key
0192	01 00	T 0
0193	00 00	E 0
0194	05 00	÷ 0
0195	09 03	* SP
0196	09 00	* M
0197	00 10	E 10
0198	01 05	T 5
0199	07 08	RE 8
0200	06 01	ST 1
0201	09 00	* M
0202	00 11	E 11
0203	07 05	RE 5
0204	06 00	ST 0
0205	07 08	RE 8
0206	04 00	× 0
0207	07 04	RE 4
0208	14 00	C 0
0209	03 00	− 0
0210	06 07	ST 7
0211	15 11	D 11
0212	07 00	RE 0
0213	06 02	ST 2
0214	01 03	T 3
0215	09 00	* M
0216	00 13	E 13
0217	00 01	E 1
0218	02 03	+ 3
0219	06 00	ST 0
0220	07 08	RE 8
0221	04 00	× 0
0222	07 07	RE 7
0223	14 00	C 0

Step No.	Code	Key
0224	03 00	− 0
0225	06 06	ST 6
0226	07 08	RE 8
0227	06 00	ST 0
0228	00 06	E 6
0229	02 00	+ 0
0230	07 06	RE 6
0231	14 00	C 0
0232	09 02	* α
0233	08 05	* ↓
0234	08 00	* S
0235	00 12	E 12
0236	00 01	E 1
0237	03 00	− 0
0238	07 05	RE 5
0239	03 00	− 0
0240	15 11	D 11
0241	07 00	RE 0
0242	06 00	ST 0
0243	07 02	RE 2
0244	04 00	× 0
0245	07 06	RE 6
0246	14 00	C 0
0247	15 11	D 11
0248	03 00	− 0
0249	08 00	* S
0250	00 13	E 13
0251	09 00	* M
0252	00 12	E 12
0253	00 01	E 1
0254	03 01	− 1
0255	06 00	ST 0

Remarks:

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TITLE: SOLUTION OF n SIMULTANEOUS EQUATIONS NO. 1021-2-MA3 Page of

Step No.	Code	Key
0256	07 02	RCL 2
0257	09 03	* SP
0258	00 01	E 1
0259	02 05	+ 5
0260	00 01	E 1
0261	09 02	* α
0262	08 04	* Jo
0263	08 00	* S
0264	00 11	E 11
0265	09 15	* RT
0266	09 00	* M
0267	11 00	F 0
0268	07 08	RCL 8
0269	06 00	STO 0
0270	07 01	RCL 1
0271	06 05	STO 5
0272	04 00	× 0
0273	07 05	RCL 5
0274	02 00	+ 0
0275	00 09	E 9
0276	02 00	+ 0
0277	06 02	STO 2
0278	09 15	* RT
0279	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: FOURIER ANALYSIS NO. 1022-2-MA2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 05	f 5
0002	00 14	E 14
0003	00 01	E 1
0004	00 12	E 12
0005	06 08	ST 8
0006	00 08	E 8
0007	06 01	ST 1
0008	09 00	* M
0009	00 00	E 0
0010	00 01	E 1
0011	02 08	+ 8
0012	00 01	E 1
0013	02 01	+ 1
0014	00 15	E 15
0015	09 03	* SP
0016	15 11	D 11
0017	06 01	ST 1
0018	02 02	+ 2
0019	06 00	ST 0
0020	08 00	* S
0021	00 00	E 0
0022	09 00	* M
0023	00 01	E 1
0024	07 08	RE 8
0025	05 00	÷ 0
0026	09 03	* SP
0027	09 00	* M
0028	00 02	E 2
0029	00 01	E 1
0030	00 12	E 12
0031	06 06	ST 6

Step No.	Code	Key
0032	00 08	E 8
0033	06 07	ST 7
0034	00 01	E 1
0035	02 03	+ 3
0036	09 00	* M
0037	00 04	E 4
0038	00 01	E 1
0039	02 06	+ 6
0040	06 00	ST 0
0041	00 01	E 1
0042	02 07	+ 7
0043	07 03	RE 3
0044	04 00	× 0
0045	07 08	RE 8
0046	05 00	÷ 0
0047	09 12	* I
0048	03 00	− 0
0049	00 02	E 2
0050	04 00	× 0
0051	09 02	* α
0052	10 00	f 0
0053	04 00	× 0
0054	06 01	ST 1
0055	08 07	* CS
0056	06 00	ST 0
0057	15 11	D 11
0058	07 07	RE 7
0059	06 02	ST 2
0060	04 00	× 0
0061	02 04	+ 4
0062	07 01	RE 1
0063	08 06	* CN

Remarks:

BLOCK 23, Verify 1088

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TITLE: FOURIER ANALYSIS

NO. 1022-2-MA2 Page of

Step No.	Code	Key
0064	06 00	STO
0065	07 02	↑E2
0066	04 00	×0
0067	02 05	+5
0068	07 08	↑E8
0069	06 00	STO
0070	00 01	E1
0071	03 00	-0
0072	07 06	↑E6
0073	09 02	* α
0074	08 04	* Jo
0075	08 00	* S
0076	00 04	E4
0077	07 06	↑E8
0078	06 00	STO
0079	00 02	E2
0080	05 00	÷0
0081	07 03	↑E3
0082	09 02	* α
0083	08 04	* Jo
0084	08 00	* S
0085	00 05	E5
0086	07 08	↑E8
0087	05 04	÷4
0088	09 03	* SP
0089	07 08	↑E8
0090	05 05	÷5
0091	00 02	E2
0092	04 05	×5
0093	09 03	* SP
0094	00 02	E2
0095	05 08	÷8

Step No.	Code	Key
0096	09 03	* SP
0097	07 03	↑E3
0098	09 03	* SP
0099	00 15	E15
0100	09 03	* SP
0101	09 00	* M
0102	00 05	E5
0103	09 02	* α
0104	08 06	* SN
0105	08 00	* S
0106	00 06	E6
0107	00 15	E15
0108	09 03	* SP
0109	09 00	* M
0110	00 06	E6
0111	00 02	E2
0112	04 04	×4
0113	00 02	E2
0114	04 05	×5
0115	07 08	↑E8
0116	05 04	÷4
0117	09 03	* SP
0118	07 08	↑E8
0119	05 05	÷5
0120	09 03	* SP
0121	01 04	T4
0122	01 05	T5
0123	08 00	* S
0124	00 02	E2
0125	09 14	* EP

Remarks:

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TITLE: FORMULAE EVALUATION NO. 1023-6-MA6 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 04	E 4
0003	06 00	STO
0004	09 00	* M
0005	00 00	E 0
0006	00 01	E 1
0007	02 00	+ 0
0008	11 05	F 5
0009	00 03	E 3
0010	00 01	E 1
0011	09 02	* α
0012	08 04	* J_0
0013	08 00	* S
0014	00 00	E 0
0015	00 15	E 15
0016	09 15	* RT
0017	09 00	* M
0018	10 01	f 1
0019	11 01	F 1
0020	11 00	F 0
0021	00 07	E 7
0022	11 02	F 2
0023	00 01	E 1
0024	11 06	F 6
0025	09 15	* RT
0026	09 00	* M
0027	10 02	f 2
0028	11 01	F 1
0029	11 00	F 0
0030	00 07	E 7
0031	11 02	F 2
0032	00 02	E 2
0033	11 06	F 6
0034	09 15	* RT
0035	09 00	* M
0036	10 03	f 3
0037	11 01	F 1
0038	00 01	E 1
0039	00 02	E 2
0040	11 02	F 2
0041	00 01	E 1
0042	11 06	F 6
0043	09 15	* RT
0044	09 00	* M
0045	10 04	f 4
0046	11 01	F 1
0047	00 01	E 1
0048	00 02	E 2
0049	11 02	F 2
0050	00 02	E 2
0051	11 06	F 6
0052	09 15	* RT
0053	09 00	* M
0054	10 05	f 5
0055	06 04	ST 4
0056	00 02	E 2
0057	00 07	E 7
0058	11 02	F 2
0059	07 04	÷E 4
0060	11 06	F 6
0061	09 15	* RT
0062	09 00	* M
0063	10 06	f 6

Remarks:

BLOCK 24, Verify 2554

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TITLE: FORMULAE EVALUATION

NO. 1023-6-MA6 Page of

Step No.	Code	Key
0064	00 01	E 1
0065	02 05	+ 5
0066	09 15	* RT
0067	09 00	* M
0068	10 07	f 7
0069	11 01	F 1
0070	11 00	F 0
0071	00 01	E 1
0072	00 07	E 7
0073	11 02	F 2
0074	15 11	DIL
0075	07 00	RCL 0
0076	06 04	STO 4
0077	00 07	E 7
0078	11 02	F 2
0079	11 05	F 5
0080	00 05	E 5
0081	02 00	+ 0
0082	11 05	F 5
0083	00 05	E 5
0084	02 00	+ 0
0085	11 05	F 5
0086	00 05	E 5
0087	02 00	+ 0
0088	11 05	F 5
0089	00 01	E 1
0090	03 05	- 5
0091	07 04	RCL 4
0092	09 15	* RT
0093	09 00	* M
0094	10 08	f 8
0095	06 04	STO 4
0096	07 05	RCL 5
0097	08 04	* Jo
0098	00 00	E 0
0099	05 00	÷ 0
0100	07 04	RCL 4
0101	11 01	F 1
0102	11 00	F 0
0103	08 01	* RCL
0104	01 01	T 1
0105	09 15	* RT
0106	09 00	* M
0107	11 00	F 0
0108	00 07	E 7
0109	11 02	F 2
0110	15 11	DIL
0111	07 00	RCL 0
0112	09 04	* Jo
0113	08 00	* S
0114	00 01	E 1
0115	06 00	STO 0
0116	00 01	E 1
0117	09 02	* α
0118	08 04	* Jo
0119	08 00	* S
0120	00 02	E 2
0121	09 00	* M
0122	00 03	E 3
0123	11 04	F 4
0124	15 11	DIL
0125	02 00	+ 0
0126	08 00	* S
0127	00 04	E 4

Remarks:

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TITLE: FORMULAE EVALUATION NO. 1023-6-MA6 Page of

Step No.	Code	Key
0128	09 00	* M
0129	00 02	E 2
0130	11 04	F 4
0131	15 11	D 11
0132	03 00	- 0
0133	08 00	* S
0134	00 04	E 4
0135	09 00	* M
0136	00 01	E 1
0137	00 01	E 1
0138	00 02	E 2
0139	11 02	F 2
0140	15 11	D 11
0141	07 00	RE 0
0142	08 04	* Jo
0143	08 00	* S
0144	00 03	E 3
0145	00 05	E 5
0146	02 00	+ 0
0147	07 04	RE 4
0148	15 11	D 11
0149	02 00	+ 0
0150	09 00	* M
0151	00 04	E 4
0152	00 01	E 1
0153	00 02	E 2
0154	11 02	F 2
0155	11 05	F 5
0156	00 01	E 1
0157	00 00	E 0
0158	02 00	+ 0
0159	11 05	F 5

Step No.	Code	Key
0160	09 15	* RT
0161	09 00	* M
0162	11 01	F 1
0163	06 04	ST 4
0164	00 02	E 2
0165	00 07	E 7
0166	11 02	F 2
0167	15 11	D 11
0168	07 00	RE 0
0169	09 04	* Jo
0170	08 00	* S
0171	00 05	E 5
0172	09 10	* LG
0173	04 04	× 4
0174	09 11	*
0175	06 04	ST 4
0176	11 05	F 5
0177	09 00	* M
0178	00 05	E 5
0179	00 01	E 1
0180	00 02	E 2
0181	11 02	F 2
0182	15 11	D 11
0183	07 00	RE 0
0184	08 04	* Jo
0185	08 00	* S
0186	00 06	E 6
0187	11 03	F 3
0188	07 04	RE 4
0189	11 06	F 6
0190	09 15	* RT
0191	09 00	* M

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TITLE: FORMULAE EVALUATION

NO. 1023-6-MA6 Page of

Step No.	Code	Key
0192	00 06	E 6
0193	06 00	STO
0194	00 01	E 1
0195	09 02	* α
0196	08 04	* Jo
0197	08 00	* S
0198	00 07	E 7
0199	11 03	F 3
0200	07 04	RE 4
0201	15 11	D.11
0202	04 00	× 0
0203	09 15	* RT
0204	09 00	* M
0205	00 07	E 7
0206	11 03	F 3
0207	07 04	RE 4
0208	15 11	D.11
0209	05 00	÷ 0
0210	09 15	* RT
0211	09 00	* M
0212	11 02	F 2
0213	06 00	STO
0214	07 05	RE 5
0215	02 00	+ 0
0216	09 15	* RT
0217	09 00	* M
0218	11 03	F 3
0219	00 02	E 2
0220	00 02	E 2
0221	11 02	F 2
0222	09 15	* RT
0223	09 00	* M

Step No.	Code	Key
0224	11 04	F 4
0225	11 03	F 3
0226	15 11	D.11
0227	07 00	RE 0
0228	06 06	ST 6
0229	00 05	E 5
0230	03 00	- 0
0231	07 06	RE 6
0232	09 15	* RT
0233	09 00	* M
0234	11 05	F 5
0235	00 00	E 0
0236	09 00	* M
0237	11 06	F 6
0238	15 11	D.11
0239	06 00	STO
0240	00 15	E.15
0241	09 15	* RT
0242	09 14	* LP

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TITLE: BASE A ⇄ BASE B NO. 1024-2-MA6 Page of

Step No.	Code	Key
0000	09 00	* M
0001	11 00	F 0
0002	06 01	ST 1
0003	00 00	E 0
0004	06 00	ST 0
0005	06 02	ST 2
0006	00 01	E 1
0007	00 01	E 1
0008	06 05	ST 5
0009	09 15	* RT
0010	09 00	* M
0011	11 01	F 1
0012	00 10	E 10
0013	00 05	E 5
0014	02 02	+ 2
0015	09 12	* I
0016	06 02	ST 2
0017	09 15	* RT
0018	09 00	* M
0019	10 00	f 0
0020	11 00	F 0
0021	06 00	ST 0
0022	09 00	* M
0023	00 00	E 0
0024	07 00	RE 0
0025	09 11	*
0026	05 01	÷ 1
0027	09 12	* I
0028	06 04	ST 4
0029	03 01	− 1
0030	07 15	RE 15
0031	09 10	* LG
0032	06 03	ST 3
0033	07 00	RE 0
0034	09 11	*
0035	04 01	× 1
0036	07 00	RE 0
0037	04 03	× 3
0038	09 11	*
0039	04 04	× 4
0040	02 02	+ 2
0041	00 01	E 1
0042	03 00	− 0
0043	08 05	* J+
0044	08 00	* S
0045	00 01	E 1
0046	08 00	* S
0047	00 00	E 0
0048	09 00	* M
0049	00 01	E 1
0050	11 01	F 1
0051	11 00	F 0
0052	09 00	* M
0053	00 02	E 2
0054	07 14	RE 14
0055	05 01	÷ 1
0056	09 12	* I
0057	14 01	C 1
0058	06 03	ST 3
0059	07 01	RE 1
0060	03 03	− 3
0061	07 14	RE 14
0062	04 03	× 3
0063	07 00	RE 0

Remarks:

BLOCK 25, Verify959

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TITLE: BASE A ⇄ BASE B

NO. 1024-2-MA6 Page of

Step No.	Code	Key
0064	09 11	*
0065	04 03	× 3
0066	02 02	+ 2
0067	07 05	
0068	06 04	
0069	00 01	E 1
0070	02 00	+ 0
0071	03 04	− 4
0072	08 04	*
0073	08 00	*
0074	00 02	E 2
0075	08 00	*
0076	11 01	F 1
0077	09 00	*
0078	10 01	f 1
0079	06 01	
0080	07 15	
0081	14 14	C 14
0082	06 15	
0083	07 01	
0084	10 00	f 0
0085	07 15	
0086	14 14	C 14
0087	06 15	
0088	07 02	
0089	09 15	*
0090	09 14	*

Step No.	Code	Key

Remarks:

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TITLE: SIMPSON'S RULE - f(x) KNOWN NO. 1025-2-MA4 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 04	ST 4
0005	00 15	E 15
0006	08 03	* Go
0007	08 03	* Go
0008	09 03	* SP
0009	06 01	ST 1
0010	00 15	E 15
0011	08 03	* Go
0012	08 03	* Go
0013	09 03	* SP
0014	06 00	ST 0
0015	10 01	f 1
0016	06 02	ST 2
0017	09 00	* M
0018	00 01	E 1
0019	07 00	RE 0
0020	02 04	+ 4
0021	10 01	f 1
0022	06 15	ST 15
0023	00 04	E 4
0024	04 15	× 15
0025	02 02	+ 2
0026	07 00	RE 0
0027	02 04	+ 4
0028	06 15	ST 15
0029	07 01	RE 1
0030	03 15	− 15
0031	08 04	* Go

Step No.	Code	Key
0032	08 00	* S
0033	00 02	E 2
0034	10 01	f 1
0035	02 02	+ 2
0036	06 15	ST 15
0037	07 00	RE 0
0038	04 15	× 15
0039	00 03	E 3
0040	05 15	÷ 15
0041	08 03	* Go
0042	08 03	* Go
0043	08 03	* Go
0044	08 03	* Go
0045	08 03	* Go
0046	08 03	* Go
0047	09 03	* SP
0048	09 00	* M
0049	00 02	E 2
0050	10 01	f 1
0051	06 15	ST 15
0052	00 02	E 2
0053	04 15	× 15
0054	02 02	+ 2
0055	08 00	* S
0056	00 01	E 1
0057	09 00	* M
0058	10 01	f 1
0059	00 04	E 4
0060	06 03	ST 3
0061	07 04	RE 4
0062	06 15	ST 15
0063	00 03	E 3

Remarks:

BLOCK 26, Verify 882

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TITLE: SIMPSON'S RULE - f(x) KNOWN

NO. 1025-2-MA4 Page of

Step No.	Code	Key
0064	04 15	× 15
0065	02 03	+ 3
0066	07 04	RE 4
0067	08 12	* x^2
0068	06 15	ST 15
0069	00 02	E 2
0070	04 15	× 15
0071	02 03	+ 3
0072	07 04	RE 4
0073	06 15	ST 15
0074	08 12	* x^2
0075	04 15	× 15
0076	02 03	+ 3
0077	01 03	T 3
0078	09 15	* RT
0079	09 14	* RP

Step No.	Code	Key

Remarks:

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TITLE: SIMPSON'S RULE - f(x) UNKNOWN NO. 1026-2-MA4 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	00 02	E 2
0006	03 01	- 1
0007	00 15	E 15
0008	08 03	* Go
0009	08 03	* Go
0010	08 03	* Go
0011	08 03	* Go
0012	09 03	* SP
0013	06 15	ST 15
0014	00 03	E 3
0015	05 15	÷ 15
0016	06 00	ST 0
0017	00 15	E 15
0018	08 03	* Go
0019	08 03	* Go
0020	09 03	* SP
0021	06 02	ST 2
0022	09 00	* M
0023	00 01	E 1
0024	00 15	E 15
0025	08 03	* Go
0026	08 03	* Go
0027	09 03	* SP
0028	06 15	ST 15
0029	00 04	E 4
0030	04 15	× 15
0031	02 02	+ 2

Step No.	Code	Key
0032	00 15	E 15
0033	08 03	* Go
0034	08 03	* Go
0035	09 03	* SP
0036	06 15	ST 15
0037	00 02	E 2
0038	04 15	× 15
0039	02 02	+ 2
0040	00 02	E 2
0041	03 01	- 1
0042	08 04	* Jo
0043	08 00	* S
0044	00 01	E 1
0045	00 15	E 15
0046	08 03	* Go
0047	08 03	* Go
0048	09 03	* SP
0049	06 15	ST 15
0050	00 04	E 4
0051	04 15	× 15
0052	02 02	+ 2
0053	00 15	E 15
0054	08 03	* Go
0055	08 03	* Go
0056	09 03	* SP
0057	02 02	+ 2
0058	06 15	ST 15
0059	07 00	RE 0
0060	04 15	× 15
0061	08 03	* Go
0062	08 03	* Go
0063	08 03	* Go

Remarks:

BLOCK 27, Verify 759

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TITLE: SIMPSON'S RULE - f(x) UNKNOWN

NO. 1026-2-MA4 Page of

Step No.	Code	Key
0064	08 03	* Go
0065	08 03	* Go
0066	08 03	* Go
0067	09 03	*
0068	09 14	*

Step No.	Code	Key

Remarks:

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TITLE: HYPERBOLIC FUNCTIONS NO. 1027-2-MA1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 11	* e^x
0003	06 14	ST 14
0004	08 15	* $1/x$
0005	03 14	− 14
0006	00 02	E 2
0007	05 14	÷ 14
0008	09 15	* RT
0009	09 00	* M
0010	10 01	f 1
0011	08 11	* e^x
0012	06 14	ST 14
0013	08 15	* $1/x$
0014	02 14	+ 14
0015	00 02	E 2
0016	05 14	÷ 14
0017	09 15	* RT
0018	09 00	* M
0019	10 02	f 2
0020	06 00	ST 0
0021	10 00	f 0
0022	06 15	ST 15
0023	07 00	RL 0
0024	10 01	f 1
0025	05 15	÷ 15
0026	09 15	* RT
0027	09 00	* M
0028	10 03	f 3
0029	06 14	ST 14
0030	08 12	* x^2
0031	06 15	ST 15

Step No.	Code	Key
0032	00 01	E 1
0033	02 15	+ 15
0034	08 13	* $\sqrt{x}$
0035	02 14	+ 14
0036	08 10	* LN
0037	09 15	* RT
0038	09 00	* M
0039	10 04	f 4
0040	06 14	ST 14
0041	08 12	* x^2
0042	06 15	ST 15
0043	00 01	E 1
0044	03 15	− 15
0045	08 13	* $\sqrt{x}$
0046	02 14	+ 14
0047	08 10	* LN
0048	09 15	* RT
0049	09 00	* M
0050	10 05	f 5
0051	06 15	ST 15
0052	06 14	ST 14
0053	00 01	E 1
0054	02 15	+ 15
0055	00 01	E 1
0056	03 14	− 14
0057	00 12	E 12
0058	05 15	÷ 15
0059	08 10	* LN
0060	06 14	ST 14
0061	00 02	E 2
0062	05 14	÷ 14
0063	09 15	* RT

Remarks:

BLOCK 28, Verify 1019

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TITLE: HYPERBOLIC FUNCTIONS

NO. 1027-2-MA1 Page of

Step No.	Code	Key
0064	09 03	* SP
0065	09 14	* EP

Step No.	Code	Key

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TITLE: VECTOR ANALYSIS AND OPERATIONS NO. 1028-2-MA3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 01	f 1
0002	07 07	RE 7
0003	08 03	* Go
0004	09 03	* SP
0005	07 06	RE 6
0006	08 03	* Go
0007	08 03	* Go
0008	08 03	* Go
0009	09 03	* SP
0010	09 15	* RT
0011	09 00	* M
0012	10 02	f 2
0013	07 03	RE 3
0014	06 15	ST 15
0015	07 07	RE 7
0016	05 15	÷ 15
0017	09 07	* C'
0018	08 03	* Go
0019	09 03	* SP
0020	07 04	RE 4
0021	06 15	ST 15
0022	07 07	RE 7
0023	05 15	÷ 15
0024	09 07	* C'
0025	08 03	* Go
0026	09 03	* SP
0027	07 05	RE 5
0028	06 15	ST 15
0029	07 07	RE 7
0030	05 15	÷ 15
0031	09 07	* C'

Step No.	Code	Key
0032	08 03	* Go
0033	08 03	* Go
0034	08 03	* Go
0035	09 03	* SP
0036	07 00	RE 0
0037	06 15	ST 15
0038	07 06	RE 6
0039	05 15	÷ 15
0040	09 07	* C'
0041	08 03	* Go
0042	09 03	* SP
0043	07 01	RE 1
0044	06 15	ST 15
0045	07 06	RE 6
0046	05 15	÷ 15
0047	09 07	* C'
0048	08 03	* Go
0049	09 03	* SP
0050	07 02	RE 2
0051	06 15	ST 15
0052	07 06	RE 6
0053	05 15	÷ 15
0054	09 07	* C'
0055	08 03	* Go
0056	08 03	* Go
0057	08 03	* Go
0058	09 03	* SP
0059	09 15	* RT
0060	09 00	* M
0061	10 03	f 3
0062	11 03	F 3
0063	08 03	* Go

Remarks:

BLOCK 29, Verify 3561

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TITLE: VECTOR ANALYSIS AND OPERATIONS NO. 1028-2-MA3 Page of

Step No.	Code	Key
0064	08 03	* Go
0065	08 03	* Go
0066	09 03	* SP
0067	09 15	* RT
0068	09 00	* M
0069	11 03	F 3
0070	07 00	RE 0
0071	06 15	ST 15
0072	07 03	RE 3
0073	04 15	× 15
0074	06 14	ST 14
0075	07 01	RE 1
0076	06 15	ST 15
0077	07 04	RE 4
0078	04 15	× 15
0079	02 14	+ 14
0080	07 02	RE 2
0081	06 15	ST 15
0082	07 05	RE 5
0083	04 15	× 15
0084	02 14	+ 14
0085	07 06	RE 6
0086	06 15	ST 15
0087	07 07	RE 7
0088	04 15	× 15
0089	05 14	÷ 14
0090	09 07	* CI
0091	09 15	* RT
0092	09 00	* M
0093	10 04	f 4
0094	07 03	RE 3
0095	06 15	ST 15

Step No.	Code	Key
0096	07 00	RE 0
0097	02 15	+ 15
0098	08 03	* Go
0099	09 03	* SP
0100	07 04	RE 4
0101	06 15	ST 15
0102	07 01	RE 1
0103	02 15	+ 15
0104	08 03	* Go
0105	09 03	* SP
0106	07 05	RE 5
0107	06 15	ST 15
0108	07 02	RE 2
0109	02 15	+ 15
0110	08 03	* Go
0111	08 03	* Go
0112	08 03	* Go
0113	09 03	* SP
0114	09 15	* RT
0115	09 00	* M
0116	10 05	f 5
0117	07 03	RE 3
0118	06 15	ST 15
0119	07 00	RE 0
0120	03 15	- 15
0121	08 03	* Go
0122	09 03	* SP
0123	07 04	RE 4
0124	06 15	ST 15
0125	07 01	RE 1
0126	03 15	- 15
0127	08 03	* Go

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TITLE: VECTOR ANALYSIS AND OPERATIONS NO. 1028-2-MA3 Page of

Step No.	Code	Key
0128	09 03	* SP
0129	07 05	RE 5
0130	06 15	ST 15
0131	07 02	RE 2
0132	03 15	− 15
0133	08 03	* Go
0134	08 03	* Go
0135	08 03	* Go
0136	09 03	* SP
0137	09 15	* RT
0138	09 00	* M
0139	10 06	f 6
0140	11 03	F 3
0141	08 07	* CS
0142	06 14	ST 14
0143	07 06	RE 6
0144	06 15	ST 15
0145	07 07	RE 7
0146	04 15	× 15
0147	04 14	× 14
0148	08 03	* Go
0149	08 03	* Go
0150	08 03	* Go
0151	09 03	* SP
0152	09 15	* RT
0153	09 00	* M
0154	10 07	f 7
0155	07 04	RE 4
0156	06 15	ST 15
0157	07 02	RE 2
0158	04 15	× 15
0159	06 14	ST 14

Step No.	Code	Key
0160	07 05	RE 5
0161	06 15	ST 15
0162	07 01	RE 1
0163	04 15	× 15
0164	03 14	− 14
0165	08 03	* Go
0166	09 03	* SP
0167	07 05	RE 5
0168	06 15	ST 15
0169	07 00	RE 0
0170	04 15	× 15
0171	06 14	ST 14
0172	07 03	RE 3
0173	06 15	ST 15
0174	07 02	RE 2
0175	04 15	× 15
0176	03 14	− 14
0177	08 03	* Go
0178	09 03	* SP
0179	07 03	RE 3
0180	06 15	ST 15
0181	07 01	RE 1
0182	04 15	× 15
0183	06 14	ST 14
0184	07 04	RE 4
0185	06 15	ST 15
0186	07 00	RE 0
0187	04 15	× 15
0188	03 14	− 14
0189	08 03	* Go
0190	08 03	* Go
0191	08 03	* Go

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TITLE: VECTOR ANALYSIS AND OPERATIONS NO. 1028-2-MA3 Page of

Step No.	Code	Key
0192	09 03	* SP
0193	09 15	* RT
0194	09 15	* RT
0195	09 00	* M
0196	10 00	f 0
0197	00 15	E 15
0198	08 03	* Go
0199	08 03	* Go
0200	09 03	* SP
0201	06 03	ST 3
0202	08 12	* x^2
0203	06 15	ST 15
0204	00 15	E 15
0205	08 03	* Go
0206	08 03	* Go
0207	09 03	* SP
0208	06 04	ST 4
0209	08 12	* x^2
0210	02 15	+ 15
0211	00 15	E 15
0212	08 03	* Go
0213	08 03	* Go
0214	09 03	* SP
0215	06 05	ST 5
0216	08 12	* x^2
0217	02 15	+ 15
0218	08 13	* $\sqrt{x}$
0219	06 07	ST 7
0220	08 03	* Go
0221	08 03	* Go
0222	00 15	E 15
0223	08 03	* Go

Step No.	Code	Key
0224	08 03	* Go
0225	09 03	* SP
0226	06 00	ST 0
0227	08 12	* x^2
0228	06 15	ST 15
0229	00 15	E 15
0230	08 03	* Go
0231	08 03	* Go
0232	09 03	* SP
0233	06 01	ST 1
0234	08 12	* x^2
0235	02 15	+ 15
0236	00 15	E 15
0237	08 03	* Go
0238	08 03	* Go
0239	09 03	* SP
0240	06 02	ST 2
0241	08 12	* x^2
0242	02 15	+ 15
0243	08 13	* $\sqrt{x}$
0244	06 06	ST 6
0245	00 00	E 0
0246	08 03	* Go
0247	08 03	* Go
0248	09 15	* RT
0249	09 14	* EP

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TITLE: ROOTS OF FUNCTION (Half Interval Search) NO. 1029-2-MA2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 00	ST 0
0005	00 15	E 15
0006	08 03	* Go
0007	08 03	* Go
0008	09 03	* SP
0009	06 01	ST 1
0010	06 02	ST 2
0011	07 00	RE 0
0012	03 02	− 2
0013	00 15	E 15
0014	08 03	* Go
0015	08 03	* Go
0016	08 03	* Go
0017	08 03	* Go
0018	09 03	* SP
0019	05 02	÷ 2
0020	09 00	* M
0021	00 01	E 1
0022	07 00	RE 0
0023	10 01	f 1
0024	09 04	* J+
0025	10 02	f 2
0026	08 03	* Go
0027	09 00	* M
0028	00 02	E 2
0029	07 00	RE 0
0030	06 15	ST 15
0031	07 02	RE 2
0032	02 15	+ 15
0033	06 03	ST 3
0034	07 00	RE 0
0035	10 01	f 1
0036	06 05	ST 5
0037	07 03	RE 3
0038	10 01	f 1
0039	06 15	ST 15
0040	07 05	RE 5
0041	04 15	× 15
0042	06 15	ST 15
0043	00 01	E 1
0044	09 02	* α
0045	11 09	F 9
0046	02 15	+ 15
0047	00 12	E 12
0048	08 05	* J+
0049	08 00	* S
0050	00 03	E 3
0051	09 00	* M
0052	00 04	E 4
0053	07 00	RE 0
0054	06 15	ST 15
0055	07 03	RE 3
0056	02 15	+ 15
0057	00 02	E 2
0058	05 15	÷ 15
0059	06 04	ST 4
0060	07 00	RE 0
0061	10 01	f 1
0062	06 05	ST 5
0063	07 04	RE 4

Remarks:
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TITLE: ROOTS OF FUNCTION (Half Interval Search) NO. 1029-2-MA2 Page of

Step No.	Code	Key
0064	10 01	f 1
0065	06 15	ST 15
0066	07 05	RE 5
0067	04 15	× 15
0068	08 05	* J+
0069	08 00	* S
0070	00 05	E 5
0071	07 04	RE 4
0072	06 00	ST 0
0073	09 00	* M
0074	00 06	E 6
0075	07 00	RE 0
0076	06 15	ST 15
0077	07 03	RE 3
0078	05 15	÷ 15
0079	09 13	* |X|
0080	06 15	ST 15
0081	00 01	E 1
0082	03 15	− 15
0083	09 13	* |X|
0084	00 12	E 12
0085	06 15	ST 15
0086	00 01	E 1
0087	00 00	E 0
0088	00 12	E 12
0089	09 11	* 10^x
0090	02 15	+ 15
0091	08 05	* J+
0092	08 00	* S
0093	00 04	E 4
0094	10 02	f 2
0095	07 03	RE 3

Step No.	Code	Key
0096	06 00	ST 0
0097	08 00	* S
0098	00 02	E 2
0099	09 00	* M
0100	00 03	E 3
0101	07 03	RE 3
0102	06 00	ST 0
0103	06 15	ST 15
0104	07 01	RE 1
0105	03 15	− 15
0106	08 05	* J+
0107	08 00	* S
0108	00 01	E 1
0109	08 04	* J0
0110	08 00	* S
0111	00 07	E 7
0112	07 00	RE 0
0113	10 01	f 1
0114	09 04	* J0
0115	10 02	f 2
0116	08 03	* J=
0117	09 00	* M
0118	00 07	E 7
0119	00 15	E 15
0120	09 03	* P
0121	09 00	* M
0122	00 05	E 5
0123	07 04	RE 4
0124	06 03	ST 3
0125	08 00	* S
0126	00 06	E 6
0127	09 00	* M

Remarks:

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TITLE: ROOTS OF FUNCTION (Half Interval Search) NO. 1029-2-MA2 Page of

Step No.	Code	Key
0128	10 02	f 2
0129	07 00	RE 0
0130	08 03	* G_0
0131	09 03	* SP
0132	09 15	* RT
0133	09 00	* M
0134	10 01	f 1
0135	06 06	ST 6
0136	06 15	ST 15
0137	00 07	E 7
0138	00 03	E 3
0139	04 15	× 15
0140	06 07	ST 7
0141	07 06	RE 6
0142	08 12	* x^2
0143	06 15	ST 15
0144	00 01	E 1
0145	00 06	E 6
0146	04 15	× 15
0147	03 07	− 7
0148	07 06	RE 6
0149	06 15	ST 15
0150	08 12	* x^2
0151	04 15	× 15
0152	07 07	RE 7
0153	02 15	+ 15
0154	00 09	E 9
0155	00 00	E 0
0156	03 15	− 15
0157	09 15	* RT
0158	09 14	* EP

Step No.	Code	Key

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TITLE: ROOTS OF EQUATIONS

NO. 1030-6-MA2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 02	f 2
0002	00 15	E 15
0003	09 03	* SP
0004	06 00	ST 0
0005	00 15	E 15
0006	09 03	* SP
0007	06 01	ST 1
0008	00 15	E 15
0009	09 03	* SP
0010	06 02	ST 2
0011	07 01	RE 1
0012	00 12	E 12
0013	06 14	ST 14
0014	00 02	E 2
0015	05 14	÷ 14
0016	07 00	RE 0
0017	05 14	÷ 14
0018	06 04	ST 4
0019	07 00	RE 0
0020	06 15	ST 15
0021	00 02	E 2
0022	04 15	× 15
0023	06 05	ST 5
0024	07 01	RE 1
0025	08 12	* x^2
0026	06 15	ST 15
0027	07 00	RE 0
0028	06 14	ST 14
0029	07 02	RE 2
0030	04 14	× 14
0031	00 04	E 4

Step No.	Code	Key
0032	04 14	× 14
0033	03 15	- 15
0034	08 04	* J_0
0035	08 00	* S
0036	11 04	F 4
0037	07 04	RE 4
0038	09 03	* SP
0039	09 03	* SP
0040	09 03	* SP
0041	09 00	* M
0042	11 04	F 4
0043	08 05	* J_1
0044	08 00	* S
0045	11 05	F 5
0046	08 13	* $\sqrt{x}$
0047	06 14	ST 14
0048	07 05	RE 5
0049	05 14	÷ 14
0050	07 04	RE 4
0051	06 15	ST 15
0052	07 14	RE 14
0053	02 15	+ 15
0054	09 03	* SP
0055	07 04	RE 4
0056	06 15	ST 15
0057	07 14	RE 14
0058	03 15	- 15
0059	09 03	* SP
0060	09 00	* M
0061	11 05	F 5
0062	00 12	E 12
0063	08 13	* $\sqrt{x}$

Remarks:

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TITLE: ROOTS OF EQUATIONS NO. 1030-6-MA2 Page of

Step No.	Code	Key
0064	06 14	ST 14
0065	07 05	RE 5
0066	05 14	÷ 14
0067	07 04	RE 4
0068	06 15	ST 15
0069	09 03	* SP
0070	00 15	E 15
0071	09 03	* SP
0072	07 14	RE 14
0073	09 03	* SP
0074	09 03	* SP
0075	09 03	* SP
0076	09 00	* M
0077	10 03	f 3
0078	00 15	E 15
0079	09 03	* SP
0080	06 00	ST 0
0081	00 15	E 15
0082	09 03	* SP
0083	06 01	ST 1
0084	00 15	E 15
0085	09 03	* SP
0086	06 02	ST 2
0087	00 15	E 15
0088	09 03	* SP
0089	06 03	ST 3
0090	07 01	RE 1
0091	08 04	* Jo
0092	08 00	* S
0093	11 03	F 3
0094	07 02	RE 2
0095	08 04	* Jo
0096	08 00	* S
0097	11 03	F 3
0098	07 00	RE 0
0099	00 12	E 12
0100	05 03	÷ 3
0101	06 00	ST 0
0102	09 13	* XI
0103	05 00	÷ 0
0104	07 03	RE 3
0105	09 13	* XI
0106	09 10	* LG
0107	06 03	ST 3
0108	00 03	E 3
0109	05 03	÷ 3
0110	09 11	* LN
0111	04 00	× 0
0112	09 03	* SP
0113	09 03	* SP
0114	09 03	* SP
0115	09 00	* M
0116	11 03	F 3
0117	07 00	RE 0
0118	05 01	÷ 1
0119	06 15	ST 15
0120	00 03	E 3
0121	05 15	÷ 15
0122	06 13	ST 13
0123	07 00	RE 0
0124	05 02	÷ 2
0125	07 00	RE 0
0126	05 03	÷ 3
0127	07 01	RE 1

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TITLE: ROOTS OF EQUATIONS

Step No.	Code	Key
0128	08 12	* x^2
0129	00 12	E 12
0130	06 14	ST 14
0131	00 03	E 3
0132	05 14	÷ 14
0133	07 02	RE 2
0134	02 14	+ 14
0135	00 03	E 3
0136	05 14	÷ 14
0137	06 04	ST 4
0138	09 04	* J4
0139	07 13	RE 13
0140	11 11	F 11
0141	07 01	RE 1
0142	06 14	ST 14
0143	00 03	E 3
0144	05 14	÷ 14
0145	08 12	* x^2
0146	04 14	× 14
0147	00 02	E 2
0148	04 14	× 14
0149	07 01	RE 1
0150	06 15	ST 15
0151	07 02	RE 2
0152	04 15	× 15
0153	00 03	E 3
0154	05 15	÷ 15
0155	03 14	− 14
0156	07 03	RE 3
0157	02 14	+ 14
0158	00 02	E 2
0159	05 14	÷ 14

Step No.	Code	Key
0160	06 05	ST 5
0161	09 04	* J4
0162	00 15	E 15
0163	00 01	E 1
0164	06 15	ST 15
0165	09 13	* XI
0166	05 15	÷ 15
0167	06 12	ST 12
0168	07 04	RE 4
0169	06 14	ST 14
0170	08 12	* x^2
0171	04 14	× 14
0172	07 05	RE 5
0173	08 12	* x^2
0174	02 14	+ 14
0175	06 06	ST 6
0176	08 05	* J4
0177	08 00	* S
0178	11 00	F 0
0179	07 04	RE 4
0180	08 05	* J4
0181	08 00	* S
0182	11 01	F 1
0183	07 04	RE 4
0184	06 14	ST 14
0185	08 12	* x^2
0186	04 14	× 14
0187	08 13	* $\sqrt{x}$
0188	06 14	ST 14
0189	07 05	RE 5
0190	05 14	÷ 14
0191	09 08	* f

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TITLE: ROOTS OF EQUATIONS

NO. 1030-6-MA2 Page of

Step No.	Code	Key
0192	06 14	ST 14
0193	00 02	E 2
0194	05 14	÷ 14
0195	08 08	* |N
0196	09 13	* |X|
0197	08 10	* .N
0198	06 14	ST 14
0199	00 03	E 3
0200	05 14	÷ 14
0201	08 11	* e^x
0202	09 08	* f'
0203	06 07	ST 7
0204	06 14	ST 14
0205	00 02	E 2
0206	04 14	× 14
0207	07 12	RE 12
0208	04 14	× 14
0209	06 09	ST 9
0210	08 08	* |N
0211	08 15	* 1/x
0212	06 08	ST 8
0213	06 14	ST 14
0214	07 04	RE 4
0215	08 13	* √x
0216	04 14	× 14
0217	00 02	E 2
0218	00 12	E 12
0219	04 14	× 14
0220	07 13	RE 13
0221	03 14	− 14
0222	09 03	* SP
0223	07 08	RE 8

Step No.	Code	Key
0224	06 14	ST 14
0225	07 04	RE 4
0226	08 13	* √x
0227	06 10	ST 10
0228	04 14	× 14
0229	07 13	RE 13
0230	03 14	− 14
0231	09 03	* SP
0232	00 15	E 15
0233	09 03	* SP
0234	07 09	RE 9
0235	08 06	* .N
0236	08 15	* 1/x
0237	06 14	ST 14
0238	07 10	RE 10
0239	04 14	× 14
0240	00 03	E 3
0241	08 13	* √x
0242	04 14	× 14
0243	09 13	* |X|
0244	09 03	* SP
0245	09 03	* SP
0246	09 03	* SP
0247	09 00	* M
0248	11 01	F 1
0249	07 04	RE 4
0250	00 12	E 12
0251	06 14	ST 14
0252	08 12	* x^2
0253	04 14	× 14
0254	08 13	* √x
0255	06 14	ST 14

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TITLE: ROOTS OF EQUATIONS

NO. 1030-6-MA2 Page of

Step No.	Code	Key
0256	07 05	RE 5
0257	05 14	÷ 14
0258	09 06	* S'
0259	06 14	ST 14
0260	00 02	E 2
0261	05 14	÷ 14
0262	08 08	* IN
0263	09 13	* XI
0264	08 10	* LN
0265	06 14	ST 14
0266	00 03	E 3
0267	05 14	÷ 14
0268	08 11	* e^x
0269	09 08	* F'
0270	06 07	ST 7
0271	06 14	ST 14
0272	00 02	E 2
0273	04 14	× 14
0274	07 12	RE 12
0275	04 14	× 14
0276	06 09	ST 9
0277	08 06	* SN
0278	08 15	* 1/x
0279	06 08	ST 8
0280	06 14	ST 14
0281	07 04	RE 4
0282	00 12	E 12
0283	08 13	* √x
0284	06 10	ST 10
0285	04 14	× 14
0286	00 02	E 2
0287	00 12	E 12
0288	04 14	× 14
0289	07 13	RE 13
0290	03 14	- 14
0291	09 03	* SP
0292	07 08	RE 8
0293	06 14	ST 14
0294	07 10	RE 10
0295	04 14	× 14
0296	07 13	RE 13
0297	03 14	- 14
0298	07 06	RE 6
0299	08 04	* log
0300	08 00	* S
0301	11 02	F 2
0302	07 14	RE 14
0303	09 03	* SP
0304	09 03	* SP
0305	09 03	* SP
0306	09 00	* M
0307	11 02	F 2
0308	07 14	RE 14
0309	09 03	* SP
0310	00 15	E 15
0311	09 03	* SP
0312	07 09	RE 9
0313	08 08	* IN
0314	08 15	* 1/x
0315	06 14	ST 14
0316	00 03	E 3
0317	08 13	* √x
0318	04 14	× 14
0319	07 10	RE 10

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TITLE: ROOTS OF EQUATIONS NO. 1030-6-MA2 Page of

Step No.	Code	Key
0320	04 14	× 14
0321	09 13	* XI
0322	09 03	* SP
0323	09 03	* SP
0324	09 03	* SP
0325	09 00	* M
0326	11 00	F 0
0327	07 05	RE 5
0328	06 14	ST 14
0329	07 04	RE 4
0330	00 12	E 12
0331	06 15	ST 15
0332	08 12	* x^2
0333	04 15	× 15
0334	08 13	* $\sqrt{x}$
0335	05 14	÷ 14
0336	00 12	E 12
0337	09 07	* C^t
0338	06 08	ST 8
0339	00 03	E 3
0340	05 08	÷ 8
0341	08 07	* CS
0342	06 14	ST 14
0343	07 04	RE 4
0344	00 12	E 12
0345	08 13	* $\sqrt{x}$
0346	06 10	ST 10
0347	04 14	× 14
0348	00 02	E 2
0349	04 14	× 14
0350	07 13	RE 13
0351	03 14	− 14

Step No.	Code	Key
0352	09 03	* SP
0353	07 08	RE 8
0354	06 14	ST 14
0355	00 06	E 6
0356	00 00	E 0
0357	11 10	F 10
0358	07 08	RE 8
0359	06 14	ST 14
0360	00 06	E 6
0361	00 00	E 0
0362	00 12	E 12
0363	11 10	F 10
0364	09 03	* SP
0365	09 00	* M
0366	11 10	F 10
0367	02 14	+ 14
0368	08 07	* CS
0369	06 14	ST 14
0370	07 10	RE 10
0371	04 14	× 14
0372	00 02	E 2
0373	00 12	E 12
0374	04 14	× 14
0375	07 13	RE 13
0376	03 14	− 14
0377	09 03	* SP
0378	09 15	* RT
0379	09 00	* M
0380	11 11	F 11
0381	00 12	E 12
0382	09 03	* SP
0383	09 03	* SP

Remarks:

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TITLE: ROOTS OF EQUATIONS

NO. 1030-6-MA2 Page of

Step No.	Code	Key
0384	09 14	* ☐P

Step No.	Code	Key

Remarks:

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TITLE: GAMMA FUNCTION NO. 1031-2-MA1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 00	ST 0
0005	06 15	ST 15
0006	09 12	* I
0007	06 01	ST 1
0008	03 15	- 15
0009	06 02	ST 2
0010	07 01	RE 1
0011	08 04	* Jo
0012	08 00	* S
0013	11 02	F 2
0014	11 01	F 1
0015	06 15	ST 15
0016	07 02	RE 2
0017	09 04	* J
0018	00 01	E 1
0019	08 03	* Go
0020	05 15	÷ 15
0021	08 03	* Go
0022	08 03	* Go
0023	09 03	* SP
0024	09 00	* M
0025	11 02	F 2
0026	00 01	E 1
0027	06 03	ST 3
0028	06 04	ST 4
0029	07 01	RE 1
0030	06 15	ST 15
0031	00 01	E 1
0032	03 15	- 15
0033	08 04	* Jo
0034	08 00	* S
0035	11 00	F 0
0036	11 01	F 1
0037	08 03	* Go
0038	08 03	* Go
0039	09 03	* SP
0040	09 00	* M
0041	11 00	F 0
0042	07 00	RE 0
0043	06 15	ST 15
0044	07 03	RE 3
0045	03 15	- 15
0046	04 04	× 4
0047	00 01	E 1
0048	02 03	+ 3
0049	06 14	ST 14
0050	07 01	RE 1
0051	03 14	- 14
0052	08 04	* Jo
0053	08 00	* S
0054	11 00	F 0
0055	11 01	F 1
0056	06 15	ST 15
0057	07 04	RE 4
0058	04 15	× 15
0059	08 03	* Go
0060	08 03	* Go
0061	09 03	* SP
0062	09 00	* M
0063	11 01	F 1

Remarks:

BLOCK 32, Verify 1806

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TITLE: GAMMA FUNCTION

NO. 1031-2-MA1 Page of

Step No.	Code	Key
0064	00 01	E 1
0065	06 05	ST 5
0066	07 02	RCL 2
0067	06 06	ST 6
0068	06 14	ST 14
0069	00 10	E 10
0070	00 05	E 5
0071	00 07	E 7
0072	00 07	E 7
0073	00 01	E 1
0074	00 09	E 9
0075	00 01	E 1
0076	00 06	E 6
0077	00 05	E 5
0078	00 02	E 2
0079	00 12	E 12
0080	04 14	× 14
0081	02 05	+ 5
0082	07 02	RCL 2
0083	04 06	× 6
0084	06 14	ST 14
0085	00 10	E 10
0086	00 09	E 9
0087	00 08	E 8
0088	00 08	E 8
0089	00 02	E 2
0090	00 00	E 0
0091	00 05	E 5
0092	00 08	E 8
0093	00 09	E 9
0094	00 01	E 1
0095	04 14	× 14

Step No.	Code	Key
0096	02 05	+ 5
0097	07 02	RCL 2
0098	04 06	× 6
0099	06 14	ST 14
0100	00 10	E 10
0101	00 08	E 8
0102	00 09	E 9
0103	00 07	E 7
0104	00 00	E 0
0105	00 05	E 5
0106	00 06	E 6
0107	00 09	E 9
0108	00 03	E 3
0109	00 07	E 7
0110	00 12	E 12
0111	04 14	× 14
0112	02 05	+ 5
0113	07 02	RCL 2
0114	04 06	× 6
0115	06 14	ST 14
0116	00 10	E 10
0117	00 09	E 9
0118	00 01	E 1
0119	00 08	E 8
0120	00 02	E 2
0121	00 00	E 0
0122	00 06	E 6
0123	00 08	E 8
0124	00 05	E 5
0125	00 07	E 7
0126	04 14	× 14
0127	02 05	+ 5

Remarks:

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TITLE: GAMMA FUNCTION

NO. 1031-2-MA1 Page of

Step No.	Code	Key
0128	07 02	RE 2
0129	04 06	× 6
0130	06 14	ST 14
0131	00 10	E 10
0132	00 07	E 7
0133	00 05	E 5
0134	00 06	E 6
0135	00 07	E 7
0136	00 00	E 0
0137	00 04	E 4
0138	00 00	E 0
0139	00 07	E 7
0140	00 08	E 8
0141	00 12	E 12
0142	04 14	× 14
0143	02 05	+ 5
0144	07 02	RE 2
0145	04 06	× 6
0146	06 14	ST 14
0147	00 10	E 10
0148	00 04	E 4
0149	00 08	E 8
0150	00 02	E 2
0151	00 01	E 1
0152	00 09	E 9
0153	00 09	E 9
0154	00 03	E 3
0155	00 09	E 9
0156	00 04	E 4
0157	04 14	× 14
0158	02 05	+ 5
0159	07 02	RE 2

Step No.	Code	Key
0160	04 06	× 6
0161	06 14	ST 14
0162	00 10	E 10
0163	00 01	E 1
0164	00 09	E 9
0165	00 03	E 3
0166	00 05	E 5
0167	00 02	E 2
0168	00 07	E 7
0169	00 08	E 8
0170	00 01	E 1
0171	00 08	E 8
0172	00 12	E 12
0173	04 14	× 14
0174	02 05	+ 5
0175	07 02	RE 2
0176	04 06	× 6
0177	06 14	ST 14
0178	00 10	E 10
0179	00 00	E 0
0180	00 03	E 3
0181	00 05	E 5
0182	00 08	E 8
0183	00 06	E 6
0184	00 08	E 8
0185	00 03	E 3
0186	00 04	E 4
0187	00 03	E 3
0188	04 14	× 14
0189	02 05	+ 5
0190	09 15	* RT
0191	09 14	* RP

Remarks:

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TITLE: COMPLEX NUMBER CALCULATOR NO. 1032-2-MA6 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 08	f 8
0002	11 02	F 2
0003	09 00	* M
0004	11 04	F 4
0005	07 14	RE 14
0006	08 05	* LN
0007	00 15	E 15
0008	00 12	E 12
0009	00 01	E 1
0010	06 02	ST 2
0011	07 15	RE 15
0012	08 12	* x^2
0013	14 14	C 14
0014	08 12	* x^2
0015	02 14	+ 14
0016	08 13	* $\sqrt{x}$
0017	06 03	ST 3
0018	05 15	÷ 15
0019	09 07	* C'
0020	04 02	× 2
0021	14 03	C 3
0022	08 10	* LN
0023	06 15	ST 15
0024	06 14	ST 14
0025	07 00	RE 0
0026	04 15	× 15
0027	07 01	RE 1
0028	04 14	× 14
0029	07 01	RE 1
0030	04 02	× 2
0031	03 15	− 15
0032	07 00	RE 0
0033	04 03	× 3
0034	02 14	+ 14
0035	08 06	* SIN
0036	14 14	C 14
0037	08 07	* COS
0038	14 15	C 15
0039	08 11	* e^x
0040	06 00	ST 0
0041	04 14	× 14
0042	07 00	RE 0
0043	04 15	× 15
0044	10 15	f 15
0045	09 00	* M
0046	11 02	F 2
0047	00 15	E 15
0048	09 03	* SP
0049	06 00	ST 0
0050	09 03	* SP
0051	06 01	ST 1
0052	09 15	* RT
0053	09 00	* M
0054	11 03	F 3
0055	00 12	E 12
0056	06 03	ST 3
0057	07 00	RE 0
0058	06 02	ST 2
0059	07 15	RE 15
0060	04 01	× 1
0061	07 15	RE 15
0062	04 00	× 0
0063	06 15	ST 15

Remarks:

BLOCK 33, Verify 2638

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TITLE: COMPLEX NUMBER CALCULATOR NO. 1032-2-MA6 Page of

Step No.	Code	Key
0064	07 14	RE 14
0065	04 03	× 3
0066	02 15	+ 15
0067	07 14	RE 14
0068	04 02	× 2
0069	02 01	+ 1
0070	06 14	ST 14
0071	09 15	* RT
0072	09 00	* M
0073	10 00	f 0
0074	11 02	F 2
0075	02 14	+ 14
0076	07 00	RE 0
0077	02 15	+ 15
0078	10 15	f 15
0079	09 00	* M
0080	10 01	f 1
0081	11 02	F 2
0082	03 14	− 14
0083	07 00	RE 0
0084	03 15	− 15
0085	09 00	* M
0086	10 15	f 15
0087	07 15	RE 15
0088	08 03	* Go
0089	09 03	* SP
0090	07 14	RE 14
0091	08 03	* Go
0092	08 03	* Go
0093	09 03	* SP
0094	09 00	* M
0095	10 02	f 2

Step No.	Code	Key
0096	11 02	F 2
0097	11 03	F 3
0098	10 15	f 15
0099	09 00	* M
0100	10 03	f 3
0101	11 02	F 2
0102	08 00	* S
0103	05 15	÷ 15
0104	09 00	* M
0105	10 04	f 4
0106	11 01	F 1
0107	09 00	* M
0108	05 15	÷ 15
0109	11 00	F 0
0110	10 15	f 15
0111	09 00	* M
0112	10 05	f 5
0113	07 15	RE 15
0114	06 00	ST 0
0115	07 14	RE 14
0116	06 01	ST 1
0117	11 03	F 3
0118	10 15	f 15
0119	09 00	* M
0120	10 06	f 6
0121	00 10	E 10
0122	00 05	E 5
0123	06 00	ST 0
0124	00 00	E 0
0125	06 01	ST 1
0126	11 04	F 4
0127	09 00	* M

Remarks:

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TITLE: COMPLEX NUMBER CALCULATOR NO. 1032-2-MA6 Page of

Step No.	Code	Key
0128	10 09	f 9
0129	11 02	F 2
0130	07 15	RE 15
0131	06 06	ST 6
0132	07 14	RE 14
0133	06 07	ST 7
0134	07 00	RE 0
0135	02 06	+ 6
0136	07 01	RE 1
0137	02 07	+ 7
0138	07 01	RE 1
0139	11 03	F 3
0140	07 06	RE 6
0141	06 00	ST 0
0142	07 07	RE 7
0143	06 01	ST 1
0144	08 00	* S
0145	05 15	÷ 15
0146	09 00	* M
0147	11 00	F 0
0148	00 12	E 12
0149	06 01	ST 1
0150	08 12	* x^2
0151	06 04	ST 4
0152	07 00	RE 0
0153	08 12	* x^2
0154	02 04	+ 4
0155	07 01	RE 1
0156	11 03	F 3
0157	07 04	RE 4
0158	05 15	÷ 15
0159	07 04	RE 4

Step No.	Code	Key
0160	05 14	÷ 14
0161	09 15	* RT
0162	09 00	* M
0163	11 01	F 1
0164	07 15	RE 15
0165	06 00	ST 0
0166	07 14	RE 14
0167	06 01	ST 1
0168	00 00	E 0
0169	06 14	ST 14
0170	00 01	E 1
0171	06 15	ST 15
0172	07 01	RE 1
0173	09 15	* RT
0174	09 00	* M
0175	10 07	f 7
0176	11 02	F 2
0177	14 14	C 14
0178	06 07	ST 7
0179	07 00	RE 0
0180	14 15	C 15
0181	06 06	ST 6
0182	11 01	F 1
0183	11 00	F 0
0184	07 06	RE 6
0185	14 15	C 15
0186	06 00	ST 0
0187	07 07	RE 7
0188	14 14	C 14
0189	06 01	ST 1
0190	11 04	F 4
0191	09 14	* EP

Remarks:

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TITLE: POLAR TO RECTANGULAR
RECTANGULAR TO POLAR

NO. 1033-2-MA1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 15	E 15
0003	09 03	* SP
0004	06 15	ST 15
0005	00 15	E 15
0006	09 03	* SP
0007	06 14	ST 14
0008	07 15	RE 15
0009	08 07	* CS
0010	14 15	C 15
0011	08 06	* SN
0012	14 14	C 14
0013	06 13	ST 13
0014	04 14	× 14
0015	07 13	RE 13
0016	04 15	× 15
0017	09 03	* SP
0018	07 14	RE 14
0019	09 15	* RT
0020	09 00	* M
0021	10 01	f 1
0022	00 15	E 15
0023	09 03	* SP
0024	06 15	ST 15
0025	00 15	E 15
0026	09 03	* SP
0027	06 14	ST 14
0028	07 15	RE 15
0029	08 12	* x^2
0030	14 14	C 14
0031	06 13	ST 13

Step No.	Code	Key
0032	08 05	* J_+
0033	00 15	E 15
0034	00 12	E 12
0035	00 01	E 1
0036	14 13	C 13
0037	08 12	* x^2
0038	02 14	+ 14
0039	09 04	* J_-
0040	11 00	F 0
0041	08 03	* $\frac{1}{x}$
0042	08 13	* $\sqrt{x}$
0043	06 14	ST 14
0044	05 15	÷ 15
0045	09 07	* C^1
0046	04 13	× 13
0047	06 15	ST 15
0048	09 00	* M
0049	11 00	F 0
0050	09 03	* SP
0051	07 14	RE 14
0052	09 15	* RT
0053	09 14	* EP

Remarks:

BLOCK 34, Verify 913

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TITLE: INVOLUTE

NO. 1034-2-ME1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	09 09	* JR
0005	06 14	ST 14
0006	08 08	* IN
0007	06 15	ST 15
0008	07 14	RE 14
0009	03 15	- 15
0010	08 03	* Go
0011	08 03	* Go
0012	08 03	* Go
0013	08 03	* Go
0014	09 03	* SP
0015	09 00	* M
0016	10 01	f 1
0017	08 03	* Go
0018	08 03	* Go
0019	06 00	ST 0
0020	06 15	ST 15
0021	06 14	ST 14
0022	00 01	E 1
0023	05 14	÷ 14
0024	08 10	* LN
0025	06 14	ST 14
0026	00 03	E 3
0027	05 14	÷ 14
0028	08 11	* e^x
0029	06 14	ST 14
0030	00 10	E 10
0031	00 04	E 4
0032	04 15	× 15
0033	03 14	- 14
0034	07 00	RE 0
0035	08 12	* x^2
0036	06 15	ST 15
0037	00 10	E 10
0038	00 02	E 2
0039	04 15	× 15
0040	02 14	+ 14
0041	06 15	ST 15
0042	06 01	ST 1
0043	09 02	* α
0044	10 00	f 0
0045	06 14	ST 14
0046	00 02	E 2
0047	00 10	E 10
0048	00 00	E 0
0049	00 00	E 0
0050	00 00	E 0
0051	00 00	E 0
0052	00 00	E 0
0053	00 01	E 1
0054	05 14	÷ 14
0055	05 15	÷ 15
0056	00 01	E 1
0057	03 15	- 15
0058	08 05	* J+
0059	08 00	* S
0060	11 00	F 0
0061	07 14	RE 14
0062	06 01	ST 1
0063	09 00	* M

Remarks:

BLOCK 35, Verify 1409

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TITLE: INVOLUTE

NO. 1034-2-ME1 Page of

Step No.	Code	Key
0064	11 00	F 0
0065	07 01	RE 1
0066	06 14	ST 14
0067	08 08	* IN
0068	06 15	ST 15
0069	07 14	RE 14
0070	03 15	− 15
0071	07 00	RE 0
0072	03 15	− 15
0073	07 01	RE 1
0074	08 08	* IN
0075	08 12	* x^2
0076	05 15	÷ 15
0077	07 01	RE 1
0078	06 14	ST 14
0079	07 15	RE 15
0080	03 14	− 14
0081	06 15	ST 15
0082	07 01	RE 1
0083	03 14	− 14
0084	09 13	* |X|
0085	00 12	E 12
0086	06 14	ST 14
0087	00 01	E 1
0088	09 02	* α
0089	11 08	F 8
0090	02 14	+ 14
0091	00 12	E 12
0092	08 05	* J+
0093	08 00	* S
0094	11 01	F 1
0095	07 15	RE 15
0096	06 01	ST 1
0097	08 00	* S
0098	11 00	F 0
0099	09 00	* M
0100	11 01	F 1
0101	07 01	RE 1
0102	08 03	* Go
0103	08 03	* Go
0104	08 09	* D
0105	08 03	* Go
0106	08 03	* Go
0107	09 03	* SP
0108	09 14	* EP

Remarks:

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TITLE: SPRING DESIGN - COMPRESSION AND EXTENSION SPRINGS

NO. 1035-2-ME1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	14 00	C 0
0005	09 15	* RT
0006	09 00	* M
0007	10 01	f 1
0008	08 03	* Go
0009	08 03	* Go
0010	06 01	ST 1
0011	09 15	* RT
0012	09 00	* M
0013	10 02	f 2
0014	08 03	* Go
0015	08 03	* Go
0016	06 02	ST 2
0017	09 15	* RT
0018	09 00	* M
0019	10 03	f 3
0020	08 03	* Go
0021	08 03	* Go
0022	06 03	ST 3
0023	09 15	* RT
0024	09 00	* M
0025	10 04	f 4
0026	08 03	* Go
0027	08 03	* Go
0028	06 04	ST 4
0029	09 15	* RT
0030	09 00	* M
0031	10 05	f 5

Step No.	Code	Key
0032	08 03	* Go
0033	08 03	* Go
0034	06 05	ST 5
0035	09 15	* RT
0036	09 00	* M
0037	10 06	f 6
0038	07 01	RE 1
0039	06 14	ST 14
0040	07 05	RE 5
0041	04 14	× 14
0042	00 08	E 8
0043	04 14	× 14
0044	07 04	RE 4
0045	06 15	ST 15
0046	08 12	* x^2
0047	04 15	× 15
0048	04 14	× 14
0049	07 02	RE 2
0050	05 14	÷ 14
0051	08 13	* $\sqrt{x}$
0052	08 13	* $\sqrt{x}$
0053	08 03	* Go
0054	08 03	* Go
0055	08 03	* Go
0056	09 03	* SP
0057	06 03	ST 3
0058	08 00	* S
0059	11 00	F 0
0060	09 00	* M
0061	10 07	f 7
0062	07 02	RE 2
0063	06 14	ST 14

Remarks: BLOCK 36, Verify1893

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TITLE: SPRING DESIGN - COMPRESSION AND EXTENSION SPRINGS

NO. 1035-2-ME1 Page of

Step No.	Code	Key
0064	07 03	RCL 3
0065	08 12	* x^2
0066	08 12	* x^2
0067	04 14	× 14
0068	00 08	E 8
0069	05 14	÷ 14
0070	07 01	RCL 1
0071	05 14	÷ 14
0072	07 04	RCL 4
0073	06 15	STO 15
0074	08 12	* x^2
0075	04 15	× 15
0076	05 14	÷ 14
0077	06 05	STO 5
0078	08 03	* y^x
0079	08 03	* y^x
0080	08 03	* y^x
0081	09 03	* $\sqrt{x}$
0082	08 00	* S
0083	11 00	F 0
0084	09 00	* M
0085	10 08	f 8
0086	07 02	RCL 2
0087	06 14	STO 14
0088	07 03	RCL 3
0089	08 12	* x^2
0090	08 12	* x^2
0091	04 14	× 14
0092	00 08	E 8
0093	05 14	÷ 14
0094	07 01	RCL 1
0095	05 14	÷ 14

Step No.	Code	Key
0096	07 05	RCL 5
0097	05 14	÷ 14
0098	08 10	* LN
0099	06 14	STO 14
0100	00 03	E 3
0101	05 14	÷ 14
0102	08 11	* e^x
0103	06 04	STO 4
0104	08 03	* y^x
0105	08 03	* y^x
0106	08 03	* y^x
0107	09 03	* $\sqrt{x}$
0108	08 00	* S
0109	11 00	F 0
0110	09 00	* M
0111	11 00	F 0
0112	07 03	RCL 3
0113	06 14	STO 14
0114	00 02	E 2
0115	05 14	÷ 14
0116	07 04	RCL 4
0117	05 14	÷ 14
0118	00 01	E 1
0119	02 14	+ 14
0120	07 04	RCL 4
0121	04 14	× 14
0122	07 00	RCL 0
0123	04 14	× 14
0124	00 08	E 8
0125	04 14	× 14
0126	09 02	* α
0127	10 00	f 0

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TITLE: SPRING DESIGN - COMPRESSION AND EXTENSION SPRINGS

NO. 1035-2-ME1 Page of

Step No.	Code	Key
0128	05 14	÷ 14
0129	07 03	RE 3
0130	06 15	ST 15
0131	08 12	* x^2
0132	04 15	× 15
0133	05 14	÷ 14
0134	08 03	*
0135	08 03	*
0136	09 03	* SP
0137	09 14	*

Step No.	Code	Key

Remarks:

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TITLE: STRESS AND STRAIN FROM A 45° ROSETTE NO. 1036-2-ME1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Σ_{10}
0003	08 03	* Σ_{10}
0004	06 00	ST 0
0005	09 15	* RT
0006	09 00	* M
0007	10 01	f 1
0008	09 02	* α
0009	10 06	f 6
0010	08 03	* Σ_{10}
0011	08 03	* Σ_{10}
0012	06 01	ST 1
0013	09 15	* RT
0014	09 00	* M
0015	10 02	f 2
0016	09 02	* α
0017	11 06	F 6
0018	08 03	* Σ_{10}
0019	08 03	* Σ_{10}
0020	06 02	ST 2
0021	09 15	* RT
0022	09 00	* M
0023	10 03	f 3
0024	09 02	* α
0025	11 06	F 6
0026	08 03	* Σ_{10}
0027	08 03	* Σ_{10}
0028	06 03	ST 3
0029	09 15	* RT
0030	09 00	* M
0031	10 04	f 4

Step No.	Code	Key
0032	09 02	* α
0033	11 06	F 6
0034	08 03	* Σ_{10}
0035	08 03	* Σ_{10}
0036	06 04	ST 4
0037	09 15	* RT
0038	09 00	* M
0039	10 05	f 5
0040	08 03	* Σ_{10}
0041	08 03	* Σ_{10}
0042	08 03	* Σ_{10}
0043	08 03	* Σ_{10}
0044	07 03	RE 3
0045	06 14	ST 14
0046	00 02	E 2
0047	04 14	× 14
0048	07 02	RE 2
0049	03 14	− 14
0050	07 04	RE 4
0051	03 14	− 14
0052	06 07	ST 7
0053	08 12	* x^2
0054	06 14	ST 14
0055	07 02	RE 2
0056	06 15	ST 15
0057	07 04	RE 4
0058	03 15	− 15
0059	06 08	ST 8
0060	08 12	* x^2
0061	02 14	+ 14
0062	08 13	* $\sqrt{x}$
0063	06 05	ST 5

Remarks:

BLOCK 37, Verify 1934

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TITLE: STRESS AND STRAIN FROM A 45° ROSETTE NO. 1036-2-ME1 Page of

Step No.	Code	Key
0064	06 14	ST 14
0065	00 02	E 2
0066	05 14	÷ 14
0067	06 06	ST 6
0068	07 02	RE 2
0069	06 15	ST 15
0070	07 04	RE 4
0071	02 15	+ 15
0072	00 02	E 2
0073	05 15	÷ 15
0074	06 14	ST 14
0075	07 06	RE 6
0076	02 14	+ 14
0077	06 09	ST 9
0078	08 03	* 10
0079	09 03	* SP
0080	07 06	RE 6
0081	03 15	− 15
0082	06 10	ST 10
0083	08 03	* 10
0084	09 03	* SP
0085	07 05	RE 5
0086	08 03	* 10
0087	09 03	* SP
0088	07 08	RE 8
0089	05 07	÷ 7
0090	09 08	* T'
0091	06 14	ST 14
0092	00 02	E 2
0093	05 14	÷ 14
0094	08 03	* 10
0095	09 03	* SP

Step No.	Code	Key
0096	07 10	RE 10
0097	06 14	ST 14
0098	07 00	RE 0
0099	04 14	× 14
0100	07 09	RE 9
0101	02 14	+ 14
0102	07 01	RE 1
0103	04 14	× 14
0104	00 01	E 1
0105	06 15	ST 15
0106	07 00	RE 0
0107	08 12	* x^2
0108	03 15	− 15
0109	06 11	ST 11
0110	05 14	÷ 14
0111	08 03	* 10
0112	09 03	* SP
0113	07 09	RE 9
0114	06 14	ST 14
0115	07 00	RE 0
0116	04 14	× 14
0117	07 10	RE 10
0118	02 14	+ 14
0119	07 01	RE 1
0120	04 14	× 14
0121	07 11	RE 11
0122	05 14	÷ 14
0123	08 03	* 10
0124	09 03	* SP
0125	07 05	RE 5
0126	06 14	ST 14
0127	07 01	RE 1

Remarks:

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TITLE: STRESS AND STRAIN FROM A 45 ° ROSETTE NO. 1036-2-ME1 Page of

Step No.	Code	Key
0128	04 14	× 14
0129	00 02	E 2
0130	05 14	÷ 14
0131	07 00	
0132	06 15	
0133	00 01	E 1
0134	02 15	+ 15
0135	05 14	÷ 14
0136	08 03	*
0137	08 03	*
0138	08 03	*
0139	08 03	*
0140	09 03	*
0141	09 14	*

Step No.	Code	Key

Remarks:

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TITLE: PLANETARY - EPICYCLIC GEAR RATIOS NO.1037-2-ME1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 15	ST 15
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	05 15	÷ 15
0009	00 01	E 1
0010	02 15	+ 15
0011	11 06	F 6
0012	09 03	* SP
0013	09 00	* M
0014	10 01	f 1
0015	08 03	* Go
0016	08 03	* Go
0017	06 15	ST 15
0018	09 03	* SP
0019	08 03	* Go
0020	08 03	* Go
0021	05 15	÷ 15
0022	00 01	E 1
0023	03 15	- 15
0024	00 12	E 12
0025	11 06	F 6
0026	09 03	* SP
0027	09 00	* M
0028	10 02	f 2
0029	08 03	* Go
0030	08 03	* Go
0031	06 15	ST 15
0032	09 03	* SP
0033	08 03	* Go
0034	08 03	* Go
0035	04 15	× 15
0036	09 03	* SP
0037	08 03	* Go
0038	08 03	* Go
0039	05 15	÷ 15
0040	09 03	* SP
0041	08 03	* Go
0042	08 03	* Go
0043	05 15	÷ 15
0044	00 01	E 1
0045	02 15	+ 15
0046	11 06	F 6
0047	09 03	* SP
0048	09 00	* M
0049	10 03	f 3
0050	08 03	* Go
0051	08 03	* Go
0052	06 15	ST 15
0053	09 03	* SP
0054	08 03	* Go
0055	08 03	* Go
0056	04 15	× 15
0057	09 03	* SP
0058	08 03	* Go
0059	08 03	* Go
0060	05 15	÷ 15
0061	09 03	* SP
0062	08 03	* Go
0063	08 03	* Go

Remarks:

BLOCK 38, Verify 2327

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TITLE: PLANETARY-EPICYCLIC GEAR RATIOS NO. 1037-2-ME1 Page of

Step No.	Code	Key
0064	05 15	÷15
0065	00 01	E 1
0066	03 15	−15
0067	00 12	E12
0068	11 06	F 6
0069	09 03	* SP
0070	09 00	* M
0071	10 04	f 4
0072	08 03	* [illegible]
0073	08 03	* [illegible]
0074	06 15	ST15
0075	09 03	* SP
0076	08 03	* [illegible]
0077	08 03	* [illegible]
0078	05 15	÷15
0079	00 01	E 1
0080	02 15	+15
0081	09 03	* SP
0082	08 03	* [illegible]
0083	08 03	* [illegible]
0084	06 14	ST14
0085	09 03	* SP
0086	08 03	* [illegible]
0087	08 03	* [illegible]
0088	04 14	×14
0089	09 03	* SP
0090	08 03	* [illegible]
0091	08 03	* [illegible]
0092	05 14	÷14
0093	09 03	* SP
0094	08 03	* [illegible]
0095	08 03	* [illegible]

Step No.	Code	Key
0096	05 14	÷14
0097	00 01	E 1
0098	03 14	−14
0099	00 12	E12
0100	05 15	÷15
0101	11 06	F 6
0102	09 03	* SP
0103	09 00	* M
0104	10 05	f 5
0105	08 03	* [illegible]
0106	08 03	* [illegible]
0107	06 15	ST15
0108	09 03	* SP
0109	08 03	* [illegible]
0110	08 03	* [illegible]
0111	05 15	÷15
0112	00 01	E 1
0113	02 15	+15
0114	09 03	* SP
0115	08 03	* [illegible]
0116	08 03	* [illegible]
0117	06 14	ST14
0118	09 03	* SP
0119	08 03	* [illegible]
0120	08 03	* [illegible]
0121	04 14	×14
0122	09 03	* SP
0123	08 03	* [illegible]
0124	08 03	* [illegible]
0125	05 14	÷14
0126	00 01	E 1
0127	02 14	+14

Remarks:

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TITLE: PLANETARY-EPICYCLIC GEAR RATIOS NO. 1037-2-ME1 Page of

Step No.	Code	Key
0128	05 15	÷ 15
0129	11 06	F 6
0130	09 03	* SP
0131	09 00	* M
0132	10 06	f 6
0133	08 03	* Go
0134	08 03	* Go
0135	06 15	ST 15
0136	00 01	E 1
0137	03 15	− 15
0138	09 03	* SP
0139	08 03	* Go
0140	08 03	* Go
0141	04 15	× 15
0142	09 03	* SP
0143	08 03	* Go
0144	08 03	* Go
0145	05 15	÷ 15
0146	00 01	E 1
0147	06 14	ST 14
0148	07 15	RE 15
0149	03 14	− 14
0150	11 06	F 6
0151	09 03	* SP
0152	09 00	* M
0153	10 07	f 7
0154	08 03	* Go
0155	08 03	* Go
0156	08 07	* GS
0157	06 14	ST 14
0158	09 03	* SP
0159	08 03	* Go

Step No.	Code	Key
0160	08 03	* Go
0161	06 15	ST 15
0162	09 03	* SP
0163	08 03	* Go
0164	08 03	* Go
0165	05 15	÷ 15
0166	02 14	+ 14
0167	11 06	F 6
0168	09 03	* SP
0169	09 00	* M
0170	11 06	F 6
0171	08 03	* Go
0172	08 03	* Go
0173	08 03	* Go
0174	08 03	* Go
0175	08 03	* Go
0176	09 03	* SP
0177	09 14	* RP

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TITLE: FOUR GEAR TRAIN

NO. 1038-2-ME1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	00 00	E 0
0002	00 01	E 1
0003	02 04	+ 4
0004	09 00	* M
0005	00 01	E 1
0006	08 01	* RE
0007	01 00	T 0
0008	06 00	ST 0
0009	07 04	RE 4
0010	09 02	* α
0011	08 05	* J+
0012	08 00	* S
0013	00 02	E 2
0014	06 00	ST 0
0015	07 02	RE 2
0016	04 00	× 0
0017	07 01	RE 1
0018	05 00	÷ 0
0019	08 01	* RE
0020	01 05	T 5
0021	04 00	× 0
0022	00 10	E 10
0023	00 05	E 5
0024	02 00	+ 0
0025	09 12	* I
0026	06 00	ST 0
0027	06 03	ST 3
0028	07 01	RE 1
0029	04 00	× 0
0030	07 02	RE 2
0031	05 00	÷ 0
0032	07 04	RE 4
0033	05 00	÷ 0
0034	06 13	ST 13
0035	08 01	* RE
0036	01 05	T 5
0037	03 00	− 0
0038	09 13	* XI
0039	06 00	ST 0
0040	07 15	RE 15
0041	14 00	C 0
0042	09 02	* α
0043	08 05	* J+
0044	08 00	* S
0045	00 00	E 0
0046	07 01	RE 1
0047	09 03	* SP
0048	07 02	RE 2
0049	09 03	* SP
0050	06 13	ST 13
0051	07 03	RE 3
0052	09 03	* SP
0053	07 04	RE 4
0054	09 03	* SP
0055	10 09	f 9
0056	09 03	* SP
0057	08 00	* S
0058	00 00	E 0
0059	09 00	* M
0060	00 02	E 2
0061	07 14	RE 14
0062	06 00	ST 0
0063	00 01	E 1

Remarks:

BLOCK 39, Verify 2722

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Side 2

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TITLE: FLOW CALCULATION - VENTURI METER NO. 1039-2-CE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 14	ST 14
0005	00 15	E 15
0006	09 03	* SP
0007	08 03	* Go
0008	08 03	* Go
0009	03 14	- 14
0010	06 00	ST 0
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 14	ST 14
0016	00 15	E 15
0017	09 03	* SP
0018	08 03	* Go
0019	08 03	* Go
0020	03 14	- 14
0021	02 00	+ 0
0022	08 00	* S
0023	10 03	f 3
0024	09 00	* M
0025	10 01	f 1
0026	08 03	* Go
0027	08 03	* Go
0028	06 00	ST 0
0029	00 15	E 15
0030	09 03	* SP
0031	08 03	* Go
0032	08 03	* Go
0033	02 00	+ 0
0034	08 00	* S
0035	10 03	f 3
0036	09 00	* M
0037	10 02	f 2
0038	08 03	* Go
0039	08 03	* Go
0040	06 00	ST 0
0041	00 15	E 15
0042	09 03	* SP
0043	08 03	* Go
0044	08 03	* Go
0045	03 00	- 0
0046	08 00	* S
0047	10 03	f 3
0048	09 00	* M
0049	10 03	f 3
0050	00 15	E 15
0051	09 03	* SP
0052	08 03	* Go
0053	08 03	* Go
0054	06 01	ST 1
0055	00 15	E 15
0056	09 03	* SP
0057	08 03	* Go
0058	08 03	* Go
0059	06 02	ST 2
0060	00 15	E 15
0061	09 03	* SP
0062	08 03	* Go
0063	08 03	* Go

Remarks:

BLOCK 1, Verify 1463

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TITLE: FLOW CALCULATION - VENTURI METER NO. 1039-2-CE2 Page of

Step No.	Code	Key
0064	06 03	ST 3
0065	08 03	* Go
0066	08 03	* Go
0067	07 02	RE 2
0068	06 14	ST 14
0069	07 01	RE 1
0070	05 14	÷ 14
0071	08 12	* x^2
0072	08 12	* x^2
0073	06 14	ST 14
0074	00 01	E 1
0075	03 14	− 14
0076	00 12	E 12
0077	08 13	* $\sqrt{x}$
0078	08 15	* $1/x$
0079	06 04	ST 4
0080	07 03	RE 3
0081	04 04	× 4
0082	07 00	RE 0
0083	06 15	ST 15
0084	00 01	E 1
0085	00 02	E 2
0086	05 15	÷ 15
0087	06 14	ST 14
0088	00 03	E 3
0089	00 02	E 2
0090	04 14	× 14
0091	00 02	E 2
0092	04 14	× 14
0093	08 13	* $\sqrt{x}$
0094	04 04	× 4
0095	08 03	* Go

Step No.	Code	Key
0096	09 03	* SP
0097	07 02	RE 2
0098	06 15	ST 15
0099	00 02	E 2
0100	00 04	E 4
0101	05 15	÷ 15
0102	04 15	× 15
0103	09 02	* α
0104	10 00	f 0
0105	04 15	× 15
0106	07 04	RE 4
0107	04 15	× 15
0108	08 03	* Go
0109	08 03	* Go
0110	08 03	* Go
0111	09 03	* SP
0112	07 02	RE 2
0113	06 14	ST 14
0114	07 01	RE 1
0115	05 14	÷ 14
0116	08 12	* x^2
0117	04 04	× 4
0118	08 03	* Go
0119	08 03	* Go
0120	09 03	* SP
0121	09 14	* EP

Remarks:

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TITLE: CHEZY-MANNING EQUATION NO. 1040-2-CE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 15	ST 15
0005	00 01	E 1
0006	00 02	E 2
0007	05 15	÷ 15
0008	06 01	ST 1
0009	00 15	E 15
0010	09 03	* SP
0011	08 03	* Go
0012	08 03	* Go
0013	06 02	ST 2
0014	00 15	E 15
0015	09 03	* SP
0016	08 03	* Go
0017	08 03	* Go
0018	06 03	ST 3
0019	09 03	* SP
0020	09 00	* M
0021	10 01	f 1
0022	08 03	* Go
0023	08 03	* Go
0024	07 01	RE 1
0025	06 14	ST 14
0026	00 04	E 4
0027	05 14	÷ 14
0028	08 03	* Go
0029	09 03	* SP
0030	06 04	ST 4
0031	08 00	* S
0032	11 00	F 0
0033	09 00	* M
0034	10 02	f 2
0035	08 03	* Go
0036	08 03	* Go
0037	06 15	ST 15
0038	00 01	E 1
0039	00 02	E 2
0040	05 15	÷ 15
0041	06 05	ST 5
0042	08 03	* Go
0043	08 03	* Go
0044	07 05	RE 5
0045	06 14	ST 14
0046	07 01	RE 1
0047	06 15	ST 15
0048	00 02	E 2
0049	05 15	÷ 15
0050	03 14	− 14
0051	06 06	ST 6
0052	07 15	RE 15
0053	05 14	÷ 14
0054	09 06	* S'
0055	09 09	* DR
0056	06 14	ST 14
0057	09 02	* α
0058	10 00	f 0
0059	06 15	ST 15
0060	00 02	E 2
0061	05 15	÷ 15
0062	02 14	+ 14
0063	07 01	RE 1

Remarks:

BLOCK 2, Verify 1632

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TITLE: CHEZY-MANNING EQUATION

NO. 1040-2-CE2 Page of

Step No.	Code	Key
0064	04 14	×14
0065	06 07	ST 7
0066	07 01	RE 1
0067	06 15	ST15
0068	07 05	RE 5
0069	04 15	×15
0070	07 05	RE 5
0071	08 12	* x^2
0072	03 15	−15
0073	08 13	* $\sqrt{x}$
0074	06 15	ST15
0075	07 06	RE 6
0076	04 15	×15
0077	07 07	RE 7
0078	05 15	÷15
0079	07 01	RE 1
0080	06 14	ST14
0081	00 04	E 4
0082	05 14	÷14
0083	02 15	+15
0084	08 03	* Go
0085	09 03	* SP
0086	06 04	ST 4
0087	08 00	* S
0088	11 00	F 0
0089	09 00	* M
0090	11 00	F 0
0091	08 03	* Go
0092	08 03	* Go
0093	08 03	* Go
0094	08 03	* Go
0095	09 02	* α

Step No.	Code	Key
0096	10 00	f 0
0097	06 15	ST15
0098	07 01	RE 1
0099	08 12	* x^2
0100	04 15	×15
0101	00 04	E 4
0102	05 15	÷15
0103	00 01	E 1
0104	00 10	E10
0105	00 04	E 4
0106	00 09	E 9
0107	04 15	×15
0108	07 03	RE 3
0109	05 15	÷15
0110	07 02	RE 2
0111	08 13	* $\sqrt{x}$
0112	04 15	×15
0113	07 04	RE 4
0114	08 10	* LN
0115	06 14	ST14
0116	00 02	E 2
0117	04 14	×14
0118	00 03	E 3
0119	05 14	÷14
0120	08 11	* e^x
0121	04 15	×15
0122	08 03	* Go
0123	08 03	* Go
0124	09 03	* SP
0125	09 14	* EP

Remarks:

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TITLE: RECTANGULAR WEIR

NO. 1041-2-CE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	00 15	E 15
0006	09 03	* SP
0007	08 03	* Go
0008	08 03	* Go
0009	08 12	* x^2
0010	06 02	ST 2
0011	00 15	E 15
0012	09 03	* SP
0013	08 03	* Go
0014	08 03	* Go
0015	06 03	ST 3
0016	09 03	* SP
0017	09 00	* M
0018	10 01	f 1
0019	08 03	* Go
0020	08 03	* Go
0021	08 03	* Go
0022	08 03	* Go
0023	06 04	ST 4
0024	08 00	* S
0025	11 00	F 0
0026	09 00	* M
0027	10 02	f 2
0028	08 03	* Go
0029	08 03	* Go
0030	08 03	* Go
0031	08 03	* Go
0032	08 15	* 1/x
0033	06 15	ST 15
0034	07 01	RE 1
0035	04 15	× 15
0036	00 10	E 10
0037	00 00	E 0
0038	00 08	E 8
0039	04 15	× 15
0040	00 10	E 10
0041	00 06	E 6
0042	00 00	E 0
0043	00 05	E 5
0044	02 15	+ 15
0045	07 01	RE 1
0046	06 14	ST 14
0047	00 03	E 3
0048	00 00	E 0
0049	00 05	E 5
0050	04 14	× 14
0051	08 15	* 1/x
0052	02 15	+ 15
0053	06 04	ST 4
0054	08 03	* Go
0055	09 03	* SP
0056	08 00	* S
0057	11 00	F 0
0058	09 00	* M
0059	11 00	F 0
0060	07 02	RE 2
0061	06 15	ST 15
0062	00 02	E 2
0063	05 15	÷ 15

Remarks:

BLOCK 3, Verify 1259

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TITLE: RECTANGULAR WEIR

NO. 1041-2-CE2 Page of

Step No.	Code	Key
0064	00 03	E 3
0065	00 02	E 2
0066	00 10	E 10
0067	00 02	E 2
0068	05 15	÷ 15
0069	06 14	ST 14
0070	07 01	RE 1
0071	02 15	+ 15
0072	08 12	* x^2
0073	04 15	× 15
0074	08 13	* $\sqrt{x}$
0075	06 15	ST 15
0076	07 14	RE 14
0077	08 12	* x^2
0078	04 14	× 14
0079	08 13	* $\sqrt{x}$
0080	03 15	− 15
0081	07 04	RE 4
0082	04 15	× 15
0083	07 03	RE 3
0084	04 15	× 15
0085	00 02	E 2
0086	04 15	× 15
0087	00 03	E 3
0088	05 15	÷ 15
0089	00 02	E 2
0090	08 13	* $\sqrt{x}$
0091	04 15	× 15
0092	00 03	E 3
0093	00 02	E 2
0094	00 10	E 10
0095	00 02	E 2
0096	08 13	* $\sqrt{x}$
0097	04 15	× 15
0098	08 03	* G_0
0099	08 03	* G_0
0100	08 03	* G_0
0101	08 03	* G_0
0102	09 03	* SP
0103	09 14	* EP

Remarks:

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TITLE: FLOW IN PIPE NO. 1042-2-CE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	00 01	E 1
0003	00 10	E 10
0004	00 04	E 4
0005	09 02	* α
0006	11 05	F 5
0007	06 01	ST 1
0008	08 03	* Go
0009	09 03	* SP
0010	08 00	* S
0011	11 00	F 0
0012	09 00	* M
0013	10 01	f 1
0014	08 03	* Go
0015	08 03	* Go
0016	06 01	ST 1
0017	09 00	* M
0018	11 00	F 0
0019	08 03	* Go
0020	08 03	* Go
0021	00 15	E 15
0022	09 03	* SP
0023	08 03	* Go
0024	08 03	* Go
0025	06 02	ST 2
0026	00 15	E 15
0027	09 03	* SP
0028	08 03	* Go
0029	08 03	* Go
0030	06 03	ST 3
0031	00 15	E 15
0032	09 03	* SP
0033	08 03	* Go
0034	08 03	* Go
0035	06 04	ST 4
0036	00 15	E 15
0037	09 03	* SP
0038	08 03	* Go
0039	08 03	* Go
0040	06 05	ST 5
0041	08 15	* ½
0042	06 15	ST 15
0043	09 02	* α
0044	10 00	f 0
0045	05 15	÷ 15
0046	07 01	RE 1
0047	05 15	÷ 15
0048	00 07	E 7
0049	00 02	E 2
0050	00 00	E 0
0051	05 15	÷ 15
0052	00 07	E 7
0053	00 07	E 7
0054	04 15	× 15
0055	07 02	RE 2
0056	04 15	× 15
0057	06 06	ST 6
0058	08 03	* Go
0059	08 03	* Go
0060	08 03	* Go
0061	09 03	* SP
0062	00 01	E 1
0063	00 02	E 2

Remarks:

BLOCK 4, Verify 1875

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TITLE: FLOW IN PIPE NO. 1042-2-CE2 Page of

Step No.	Code	Key
0064	06 14	ST 14
0065	07 04	RE 4
0066	04 14	× 14
0067	00 03	E 3
0068	00 10	E 10
0069	00 07	E 7
0070	05 14	÷ 14
0071	07 05	RE 5
0072	05 14	÷ 14
0073	06 08	ST 8
0074	00 02	E 2
0075	00 10	E 10
0076	00 05	E 5
0077	00 01	E 1
0078	06 14	ST 14
0079	07 06	RE 6
0080	05 14	÷ 14
0081	06 09	ST 9
0082	00 10	E 10
0083	00 00	E 0
0084	00 01	E 1
0085	09 00	* M
0086	11 01	F 1
0087	07 09	RE 9
0088	06 14	ST 14
0089	07 10	RE 10
0090	04 14	× 14
0091	07 08	RE 8
0092	02 14	+ 14
0093	09 10	* LG
0094	06 14	ST 14
0095	00 02	E 2

Step No.	Code	Key
0096	00 12	E 12
0097	04 14	× 14
0098	06 15	ST 15
0099	07 10	RE 10
0100	03 14	− 14
0101	09 13	* |x|
0102	00 12	E 12
0103	06 14	ST 14
0104	00 01	E 1
0105	09 02	* α
0106	11 08	F 8
0107	02 14	+ 14
0108	08 05	* J_+
0109	08 00	* S
0110	11 02	F 2
0111	08 03	* G_0
0112	08 03	* G_0
0113	07 10	RE 10
0114	08 15	* $\frac{1}{x}$
0115	08 12	* x^2
0116	08 03	* G_0
0117	09 03	* SP
0118	06 10	ST 10
0119	06 15	ST 15
0120	07 03	RE 3
0121	04 15	× 15
0122	07 05	RE 5
0123	05 15	÷ 15
0124	00 06	E 6
0125	04 15	× 15
0126	00 03	E 3
0127	00 02	E 2

Remarks:

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TITLE: FLOW IN PIPE

NO. 1042-2-CE2 Page of

Step No.	Code	Key
0128	00 10	E 10
0129	00 02	E 2
0130	05 15	÷ 15
0131	07 06	RE 6
0132	06 14	ST 14
0133	07 01	RE 1
0134	04 14	× 14
0135	00 01	E 1
0136	00 02	E 2
0137	04 14	× 14
0138	07 05	RE 5
0139	05 14	÷ 14
0140	08 12	* x^2
0141	04 15	× 15
0142	08 03	* G_o
0143	08 03	* G_o
0144	09 03	* SP
0145	09 00	* M
0146	11 02	F 2
0147	07 15	RE 15
0148	06 10	ST 10
0149	08 00	* S
0150	11 01	F 1
0151	09 03	* SP
0152	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: PANHANDLE FORMULA NO. 1043-2-CE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 14	ST 14
0005	00 01	E 1
0006	00 04	E 4
0007	00 10	E 10
0008	00 06	E 6
0009	00 05	E 5
0010	02 14	+ 14
0011	06 00	ST 0
0012	09 15	* RT
0013	09 00	* M
0014	10 01	f 1
0015	08 03	* Go
0016	08 03	* Go
0017	06 14	ST 14
0018	00 01	E 1
0019	00 04	E 4
0020	00 10	E 10
0021	00 06	E 6
0022	00 05	E 5
0023	02 14	+ 14
0024	06 01	ST 1
0025	09 15	* RT
0026	09 00	* M
0027	10 02	f 2
0028	08 03	* Go
0029	08 03	* Go
0030	06 02	ST 2
0031	00 10	E 10
0032	00 00	E 0
0033	00 00	E 0
0034	00 01	E 1
0035	00 03	E 3
0036	00 06	E 6
0037	00 07	E 7
0038	00 08	E 8
0039	06 05	ST 5
0040	09 15	* RT
0041	09 00	* M
0042	10 03	f 3
0043	08 03	* Go
0044	08 03	* Go
0045	06 03	ST 3
0046	09 15	* RT
0047	09 00	* M
0048	10 04	f 4
0049	08 03	* Go
0050	08 03	* Go
0051	06 04	ST 4
0052	09 15	* RT
0053	09 00	* M
0054	10 05	f 5
0055	07 00	RE 0
0056	08 12	* x^2
0057	06 14	ST 14
0058	07 01	RE 1
0059	08 12	* x^2
0060	03 14	− 14
0061	07 02	RE 2
0062	05 14	÷ 14
0063	08 10	* LN

Remarks:

BLOCK 5, Verify 2150

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TITLE: PANHANDLE FORMULA NO. 1043-2-CE2 Page of

Step No.	Code	Key
0064	06 14	ST 14
0065	00 10	E 10
0066	00 05	E 5
0067	00 01	E 1
0068	04 14	× 14
0069	08 11	* e^x
0070	06 14	ST 14
0071	07 05	RE 5
0072	04 14	× 14
0073	07 03	RE 3
0074	08 10	* LN
0075	06 15	ST 15
0076	00 02	E 2
0077	00 10	E 10
0078	00 05	E 5
0079	00 03	E 3
0080	04 15	× 15
0081	08 11	* e^x
0082	04 14	× 14
0083	08 03	* Go
0084	08 03	* Go
0085	08 03	* Go
0086	08 03	* Go
0087	09 03	* SP
0088	09 00	* M
0089	10 06	f 6
0090	07 04	RE 4
0091	06 14	ST 14
0092	07 05	RE 5
0093	05 14	÷ 14
0094	07 03	RE 3
0095	08 10	* LN
0096	06 15	ST 15
0097	00 02	E 2
0098	00 10	E 10
0099	00 05	E 5
0100	00 03	E 3
0101	04 15	× 15
0102	08 11	* e^x
0103	05 14	÷ 14
0104	08 10	* LN
0105	06 14	ST 14
0106	00 10	E 10
0107	00 05	E 5
0108	00 01	E 1
0109	05 14	÷ 14
0110	08 11	* e^x
0111	06 14	ST 14
0112	07 02	RE 2
0113	04 14	× 14
0114	07 01	RE 1
0115	08 12	* x^2
0116	02 14	+ 14
0117	08 13	* $\sqrt{x}$
0118	06 14	ST 14
0119	00 01	E 1
0120	00 04	E 4
0121	00 10	E 10
0122	00 06	E 6
0123	00 05	E 5
0124	03 14	− 14
0125	08 03	* Go
0126	08 03	* Go
0127	08 03	* Go

Remarks:

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TITLE: PANHANDLE FORMULA NO. 1043-2-CE2 Page of

Step No.	Code	Key
0128	08 03	* Go
0129	09 03	* SP
0130	09 00	* M
0131	10 07	f 7
0132	07 04	RE 4
0133	06 14	ST 14
0134	07 05	RE 5
0135	05 14	÷ 14
0136	07 03	RE 3
0137	08 10	* LN
0138	06 15	ST 15
0139	00 02	E 2
0140	00 10	E 10
0141	00 05	E 5
0142	00 03	E 3
0143	04 15	× 15
0144	08 11	* e^x
0145	05 14	÷ 14
0146	08 10	* LN
0147	06 14	ST 14
0148	00 10	E 10
0149	00 05	E 5
0150	00 01	E 1
0151	05 14	÷ 14
0152	08 11	* e^x
0153	06 14	ST 14
0154	07 02	RE 2
0155	04 14	× 14
0156	07 00	RE 0
0157	08 12	* x^2
0158	06 15	ST 15
0159	07 14	RE 14

Step No.	Code	Key
0160	03 15	- 15
0161	08 13	* $\sqrt{x}$
0162	06 14	ST 14
0163	00 01	E 1
0164	00 04	E 4
0165	00 10	E 10
0166	00 06	E 6
0167	00 05	E 5
0168	03 14	- 14
0169	08 03	* Go
0170	08 03	* Go
0171	08 03	* Go
0172	08 03	* Go
0173	09 03	* SP
0000	09 00	* M
0160	03 15	- 15
0161	08 13	* $\sqrt{x}$
0162	06 14	ST 14
0163	00 01	E 1
0164	00 04	E 4
0165	00 10	E 10
0166	00 06	E 6
0167	00 05	E 5
0168	03 14	- 14
0169	08 03	* Go
0170	08 03	* Go
0171	08 03	* Go
0172	08 03	* Go
0173	09 03	* SP
0174	09 14	* EP

Remarks:

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TITLE: HARDY-CROSS BALANCING OF A PIPE NETWORK

NO. 1044-2-CE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 00	ST 0
0003	00 00	E 0
0004	06 01	ST 1
0005	06 02	ST 2
0006	06 03	ST 3
0007	06 04	ST 4
0008	09 00	* M
0009	10 01	f 1
0010	08 03	* Go
0011	08 03	* Go
0012	08 03	* Go
0013	08 03	* Go
0014	00 00	E 0
0015	06 05	ST 5
0016	06 06	ST 6
0017	09 00	* M
0018	11 02	F 2
0019	07 01	RE 1
0020	09 03	* SP
0021	06 01	ST 1
0022	08 03	* Go
0023	08 03	* Go
0024	07 02	RE 2
0025	06 14	ST 14
0026	00 01	E 1
0027	00 02	E 2
0028	04 14	× 14
0029	09 03	* SP
0030	08 03	* Go
0031	08 03	* Go
0032	06 14	ST 14
0033	00 01	E 1
0034	00 02	E 2
0035	05 14	÷ 14
0036	06 02	ST 2
0037	07 03	RE 3
0038	09 03	* SP
0039	06 03	ST 3
0040	08 03	* Go
0041	08 03	* Go
0042	00 15	E 15
0043	09 03	* SP
0044	08 03	* Go
0045	08 03	* Go
0046	08 03	* Go
0047	08 03	* Go
0048	06 14	ST 14
0049	07 00	RE 0
0050	04 14	× 14
0051	06 04	ST 4
0052	11 00	F 0
0053	07 04	RE 4
0054	06 14	ST 14
0055	09 13	* IXI
0056	06 15	ST 15
0057	05 14	÷ 14
0058	07 15	RE 15
0059	09 10	* LG
0060	06 15	ST 15
0061	00 01	E 1
0062	00 10	E 10
0063	00 08	E 8

Remarks:

BLOCK 6, Verify 2560

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TITLE: HARDY-CROSS BALANCING OF A PIPE NETWORK

NO. 1044-2-CE2 Page of

Step No.	Code	Key
0064	00 05	E 5
0065	04 15	× 15
0066	09 11	* $\sqrt{x}$
0067	04 14	× 14
0068	07 07	RE 7
0069	04 14	× 14
0070	02 05	+ 5
0071	07 04	RE 4
0072	05 14	÷ 14
0073	02 06	+ 6
0074	08 00	* S
0075	11 02	F 2
0076	09 00	* M
0077	10 02	f 2
0078	07 05	RE 5
0079	06 14	ST 14
0080	07 06	RE 6
0081	06 15	ST 15
0082	00 01	E 1
0083	00 10	E 10
0084	00 08	E 8
0085	00 05	E 5
0086	04 15	× 15
0087	00 12	E 12
0088	05 14	÷ 14
0089	07 00	RE 0
0090	05 14	÷ 14
0091	09 12	* I
0092	08 03	* Go
0093	08 03	* Go
0094	06 09	ST 9
0095	08 03	* Go
0096	08 03	* Go
0097	09 00	* M
0098	11 01	F 1
0099	09 03	* SP
0100	06 14	ST 14
0101	07 09	RE 9
0102	02 14	+ 14
0103	08 03	* Go
0104	08 03	* Go
0105	08 00	* S
0106	11 01	F 1
0107	09 03	* SP
0108	09 00	* M
0109	11 00	F 0
0110	00 10	E 10
0111	00 02	E 2
0112	00 07	E 7
0113	00 09	E 9
0114	06 14	ST 14
0115	07 01	RE 1
0116	04 14	× 14
0117	07 02	RE 2
0118	09 10	* LG
0119	06 15	ST 15
0120	00 02	E 2
0121	00 10	E 10
0122	00 06	E 6
0123	00 03	E 3
0124	04 15	× 15
0125	09 11	* $\sqrt{x}$
0126	04 14	× 14
0127	08 15	* $1/x$

Remarks:

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TITLE: HARDY-CROSS BALANCING OF A PIPE NETWORK

NO. 1044-2-CE2 Page of

Step No.	Code	Key
0128	09 10	* LG
0129	06 14	ST 14
0130	00 10	E 10
0131	00 05	E 5
0132	00 04	E 4
0133	05 14	÷ 14
0134	09 11	* 10^x
0135	06 14	ST 14
0136	07 03	RE 3
0137	04 14	× 14
0138	06 07	ST 7
0139	09 15	* RT
0140	09 00	* M
0141	10 03	f 3
0142	08 03	* Go
0143	08 03	* Go
0144	08 03	* Go
0145	08 03	* Go
0146	00 00	E 0
0147	06 05	ST 5
0148	06 06	ST 6
0149	09 00	* M
0150	11 03	F 3
0151	07 01	RE 1
0152	09 03	* SP
0153	06 01	ST 1
0154	07 02	RE 2
0155	06 14	ST 14
0156	00 01	E 1
0157	00 02	E 2
0158	04 14	× 14
0159	09 03	* SP
0160	06 14	ST 14
0161	00 01	E 1
0162	00 02	E 2
0163	05 14	÷ 14
0164	06 02	ST 2
0165	07 03	RE 3
0166	09 03	* SP
0167	06 03	ST 3
0168	00 15	E 15
0169	09 03	* SP
0170	08 03	* Go
0171	08 03	* Go
0172	06 14	ST 14
0173	07 00	RE 0
0174	04 14	× 14
0175	06 04	ST 4
0176	11 00	F 0
0177	07 04	RE 4
0178	06 14	ST 14
0179	09 13	* |x|
0180	06 15	ST 15
0181	05 14	÷ 14
0182	07 15	RE 15
0183	09 10	* LG
0184	06 15	ST 15
0185	00 01	E 1
0186	00 10	E 10
0187	00 08	E 8
0188	00 05	E 5
0189	04 15	× 15
0190	09 11	* 10^x
0191	04 14	× 14

Remarks:

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TITLE: HARDY-CROSS BALANCING OF A PIPE NETWORK

NO. 1044-2-CE2 Page of

Step No.	Code	Key
0192	07 07	RE 7
0193	04 14	× 14
0194	08 03	* Go
0195	09 03	* SP
0196	02 05	+ 5
0197	08 03	* Go
0198	08 03	* Go
0199	08 00	* S
0200	11 03	F 3
0201	09 00	* M
0202	10 04	f 4
0203	07 05	RE 5
0204	08 03	* Go
0205	08 03	* Go
0206	08 03	* Go
0207	08 03	* Go
0208	09 03	* SP
0209	09 14	* EP

Step No.	Code	Key

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TITLE: CANTILEVER BEAM - INTERMEDIATE LOAD AT A POINT

NO. 1045-2-CE3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	06 02	ST 2
0009	06 15	ST 15
0010	07 01	RE 1
0011	03 15	− 15
0012	06 03	ST 3
0013	09 03	* SP
0014	08 03	* Go
0015	08 03	* Go
0016	06 04	ST 4
0017	09 03	* SP
0018	08 03	* Go
0019	08 03	* Go
0020	06 05	ST 5
0021	09 03	* SP
0022	08 03	* Go
0023	08 03	* Go
0024	06 06	ST 6
0025	08 03	* Go
0026	08 03	* Go
0027	08 03	* Go
0028	08 03	* Go
0029	07 03	RE 3
0030	06 15	ST 15
0031	08 12	* x^2
0032	06 14	ST 14
0033	04 15	× 15
0034	07 02	RE 2
0035	04 14	× 14
0036	00 03	E 3
0037	04 14	× 14
0038	07 15	RE 15
0039	03 14	− 14
0040	07 04	RE 4
0041	06 15	ST 15
0042	07 05	RE 5
0043	05 15	÷ 15
0044	07 06	RE 6
0045	05 15	÷ 15
0046	06 07	ST 7
0047	04 14	× 14
0048	00 06	E 6
0049	05 14	÷ 14
0050	00 12	E 12
0051	08 03	* Go
0052	09 03	* SP
0053	07 03	RE 3
0054	08 12	* x^2
0055	06 15	ST 15
0056	07 07	RE 7
0057	04 15	× 15
0058	00 02	E 2
0059	05 15	÷ 15
0060	08 03	* Go
0061	08 03	* Go
0062	08 03	* Go
0063	08 03	* Go

Remarks:

BLOCK 7, Verify 1816

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TITLE: CANTILEVER BEAM - INTERMEDIATE LOAD AT A POINT

NO. 1045-2-CE3 Page of

Step No.	Code	Key
0064	08 03	* Go
0065	08 03	* Go
0066	09 03	* SP
0067	09 00	* M
0068	10 01	f 1
0069	06 00	STO
0070	08 03	* Go
0071	08 03	* Go
0072	07 01	RE 1
0073	08 04	* Jo
0074	08 00	* S
0075	11 01	F 1
0076	09 00	* M
0077	11 00	F O
0078	07 00	RE O
0079	06 14	ST 14
0080	07 01	RE 1
0081	03 14	- 14
0082	06 15	ST 15
0083	08 12	* x^2
0084	04 14	× 14
0085	07 03	RE 3
0086	08 12	* x^2
0087	04 15	× 15
0088	00 03	E 3
0089	04 15	× 15
0090	03 14	- 14
0091	07 03	RE 3
0092	06 15	ST 15
0093	08 12	* x^2
0094	04 15	× 15
0095	00 02	E 2
0096	04 15	× 15
0097	02 14	+ 14
0098	07 07	RE 7
0099	04 14	× 14
0100	00 06	E 6
0101	05 14	÷ 14
0102	00 12	E 12
0103	08 03	* Go
0104	08 03	* Go
0105	09 03	* SP
0106	09 00	* M
0107	11 01	F 1
0108	07 01	RE 1
0109	06 14	ST 14
0110	07 00	RE O
0111	03 14	- 14
0112	08 05	* J+
0113	08 00	* S
0114	11 00	F O
0115	07 02	RE 2
0116	06 15	ST 15
0117	07 00	RE O
0118	03 15	- 15
0119	07 03	RE 3
0120	08 12	* x^2
0121	06 14	ST 14
0122	04 15	× 15
0123	00 03	E 3
0124	04 15	× 15
0125	07 03	RE 3
0126	04 14	× 14
0127	03 15	- 15

Remarks:

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TITLE: CANTILEVER BEAM - INTERMEDIATE LOAD AT A POINT

NO. 1045-2-CE3 Page of

Step No.	Code	Key
0128	07 07	RE 7
0129	04 15	×15
0130	00 06	E 6
0131	05 15	÷15
0132	00 12	E 12
0133	08 03	* Go
0134	08 03	* Go
0135	09 03	* SP
0136	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: CANTILEVER BEAM - UNIFORM LOAD NO. 1046-2-CE3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	06 14	ST 14
0009	00 01	E 1
0010	00 02	E 2
0011	05 14	÷ 14
0012	06 02	ST 2
0013	09 03	* SP
0014	08 03	* Go
0015	08 03	* Go
0016	06 03	ST 3
0017	09 03	* SP
0018	08 03	* Go
0019	08 03	* Go
0020	06 04	ST 4
0021	07 02	RE 2
0022	06 14	ST 14
0023	07 03	RE 3
0024	05 14	÷ 14
0025	07 04	RE 4
0026	05 14	÷ 14
0027	06 06	ST 6
0028	08 03	* Go
0029	08 03	* Go
0030	08 03	* Go
0031	08 03	* Go
0032	07 01	RE 1
0033	08 12	* x^2
0034	08 12	* x^2
0035	06 14	ST 14
0036	07 06	RE 6
0037	04 14	× 14
0038	00 08	E 8
0039	00 12	E 12
0040	05 14	÷ 14
0041	08 03	* Go
0042	09 03	* SP
0043	07 01	RE 1
0044	06 14	ST 14
0045	08 12	* x^2
0046	04 14	× 14
0047	07 06	RE 6
0048	04 14	× 14
0049	00 06	E 6
0050	05 14	÷ 14
0051	08 03	* Go
0052	08 03	* Go
0053	08 03	* Go
0054	08 03	* Go
0055	08 03	* Go
0056	08 03	* Go
0057	09 03	* SP
0058	09 00	* M
0059	10 01	f 1
0060	06 00	ST 0
0061	08 03	* Go
0062	08 03	* Go
0063	07 01	RE 1

Remarks:

BLOCK 8, Verify 1183

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TITLE: CANTILEVER BEAM - UNIFORM LOAD NO. 1046-2-CE3 Page of

Step No.	Code	Key
0064	08 12	* x^2
0065	08 12	* x^2
0066	06 14	ST 14
0067	00 03	E 3
0068	04 14	× 14
0069	07 01	RE 1
0070	06 15	ST 15
0071	08 12	* x^2
0072	04 15	× 15
0073	00 04	E 4
0074	04 15	× 15
0075	07 00	RE 0
0076	04 15	× 15
0077	03 14	− 14
0078	07 00	RE 0
0079	08 12	* x^2
0080	08 12	* x^2
0081	02 14	+ 14
0082	07 06	RE 6
0083	04 14	× 14
0084	00 02	E 2
0085	00 04	E 4
0086	05 14	÷ 14
0087	00 12	E 12
0088	08 03	* Go
0089	08 03	* Go
0090	09 03	* SP
0091	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: CANTILEVER BEAM - TRIANGULAR LOAD NO. 1047-2-CE3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	06 14	ST 14
0009	00 01	E 1
0010	00 02	E 2
0011	05 14	÷ 14
0012	07 01	RE 1
0013	04 14	× 14
0014	00 02	E 2
0015	05 14	÷ 14
0016	06 02	ST 2
0017	09 03	* SP
0018	06 03	ST 3
0019	08 03	* Go
0020	08 03	* Go
0021	09 03	* SP
0022	08 03	* Go
0023	08 03	* Go
0024	06 04	ST 4
0025	08 03	* Go
0026	08 03	* Go
0027	08 03	* Go
0028	08 03	* Go
0029	07 02	RE 2
0030	06 14	ST 14
0031	07 03	RE 3
0032	05 14	÷ 14
0033	07 04	RE 4
0034	05 14	÷ 14
0035	06 05	ST 5
0036	00 01	E 1
0037	00 05	E 5
0038	00 12	E 12
0039	05 14	÷ 14
0040	07 01	RE 1
0041	06 15	ST 15
0042	08 12	* x^2
0043	04 15	× 15
0044	04 14	× 14
0045	08 03	* Go
0046	09 03	* SP
0047	07 05	RE 5
0048	06 14	ST 14
0049	00 01	E 1
0050	00 02	E 2
0051	05 14	÷ 14
0052	07 01	RE 1
0053	08 12	* x^2
0054	04 14	× 14
0055	08 03	* Go
0056	08 03	* Go
0057	08 03	* Go
0058	08 03	* Go
0059	08 03	* Go
0060	08 03	* Go
0061	09 03	* SP
0062	09 00	* M
0063	10 01	f 1

Remarks:

BLOCK 9, Verify 1294

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TITLE: CANTILEVER BEAM - TRIANGULAR LOAD NO. 1047-2-CE3 Page of

Step No.	Code	Key
0064	08 03	* Go
0065	08 03	* Go
0066	06 00	ST 0
0067	06 15	ST 15
0068	08 12	* x^2
0069	08 12	* x^2
0070	04 15	× 15
0071	07 01	RE 1
0072	08 12	* x^2
0073	08 12	* x^2
0074	06 14	ST 14
0075	07 00	RE 0
0076	04 14	× 14
0077	00 05	E 5
0078	04 14	× 14
0079	03 15	− 15
0080	07 01	RE 1
0081	06 14	ST 14
0082	08 12	* x^2
0083	08 12	* x^2
0084	04 14	× 14
0085	00 04	E 4
0086	04 14	× 14
0087	02 15	+ 15
0088	07 05	RE 5
0089	04 15	× 15
0090	00 06	E 6
0091	00 00	E 0
0092	00 12	E 12
0093	05 15	÷ 15
0094	07 01	RE 1
0095	08 12	* x^2
0096	05 15	÷ 15
0097	08 03	* Go
0098	08 03	* Go
0099	09 03	* SP
0100	09 14	* EP

Remarks:

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TITLE: END SUPPORTED BEAM - CENTER LOAD NO. 1048-2-CE3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	06 02	ST 2
0009	09 03	* SP
0010	08 03	* Go
0011	08 03	* Go
0012	06 03	ST 3
0013	09 03	* SP
0014	08 03	* Go
0015	08 03	* Go
0016	06 04	ST 4
0017	08 03	* Go
0018	08 03	* Go
0019	08 03	* Go
0020	08 03	* Go
0021	07 02	RE 2
0022	06 15	ST 15
0023	07 03	RE 3
0024	05 15	÷ 15
0025	07 04	RE 4
0026	05 15	÷ 15
0027	06 05	ST 5
0028	00 04	E 4
0029	00 08	E 8
0030	00 12	E 12
0031	05 15	÷ 15
0032	07 01	RE 1
0033	06 14	ST 14
0034	08 12	* x^2
0035	04 14	× 14
0036	04 15	× 15
0037	08 03	* Go
0038	09 03	* SP
0039	07 05	RE 5
0040	06 15	ST 15
0041	07 01	RE 1
0042	08 12	* x^2
0043	04 15	× 15
0044	00 01	E 1
0045	00 06	E 6
0046	05 15	÷ 15
0047	08 03	* Go
0048	08 03	* Go
0049	08 03	* Go
0050	08 03	* Go
0051	08 03	* Go
0052	08 03	* Go
0053	09 03	* SP
0054	09 00	* M
0055	10 01	f 1
0056	06 00	ST 0
0057	08 03	* Go
0058	08 03	* Go
0059	06 15	ST 15
0060	08 12	* x^2
0061	04 15	× 15
0062	00 04	E 4
0063	00 12	E 12

Remarks:

BLOCK 10, Verify 1046

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TITLE: END SUPPORTED BEAM - CENTER LOAD NO. 1048-2-CE3 Page of

Step No.	Code	Key
0064	04 15	×15
0065	07 00	RE 0
0066	06 14	ST 14
0067	07 01	RE 1
0068	08 12	* x^2
0069	04 14	×14
0070	00 03	E 3
0071	04 14	×14
0072	02 15	+15
0073	07 05	RE 5
0074	04 15	×15
0075	00 04	E 4
0076	00 08	E 8
0077	05 15	÷15
0078	00 12	E 12
0079	08 03	* Go
0080	08 03	* Go
0081	09 03	* SP
0082	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: END SUPPORTED BEAM - UNIFORM LOAD NO. 1049-2-CE3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	06 14	ST 14
0009	00 01	E 1
0010	00 02	E 2
0011	05 14	÷ 14
0012	06 02	ST 2
0013	09 03	* SP
0014	08 03	* Go
0015	08 03	* Go
0016	06 03	ST 3
0017	09 03	* SP
0018	08 03	* Go
0019	08 03	* Go
0020	06 04	ST 4
0021	07 02	RE 2
0022	06 14	ST 14
0023	07 03	RE 3
0024	05 14	÷ 14
0025	07 04	RE 4
0026	05 14	÷ 14
0027	06 05	ST 5
0028	08 03	* Go
0029	08 03	* Go
0030	08 03	* Go
0031	08 03	* Go
0032	07 05	RE 5
0033	06 14	ST 14
0034	07 01	RE 1
0035	08 12	* x^2
0036	08 12	* x^2
0037	04 14	× 14
0038	00 05	E 5
0039	00 12	E 12
0040	04 14	× 14
0041	00 03	E 3
0042	00 08	E 8
0043	00 04	E 4
0044	05 14	÷ 14
0045	08 03	* Go
0046	09 03	* SP
0047	07 05	RE 5
0048	06 14	ST 14
0049	07 01	RE 1
0050	06 15	ST 15
0051	08 12	* x^2
0052	04 15	× 15
0053	04 14	× 14
0054	00 02	E 2
0055	00 04	E 4
0056	05 14	÷ 14
0057	08 03	* Go
0058	08 03	* Go
0059	08 03	* Go
0060	08 03	* Go
0061	08 03	* Go
0062	08 03	* Go
0063	09 03	* SP

Remarks:

BLOCK 11, Verify 1225

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TITLE: END SUPPORTED BEAM - UNIFORM LOAD NO. 1049-2-CE3 Page of

Step No.	Code	Key
0064	09 00	* M
0065	10 01	f 1
0066	06 00	STO
0067	08 03	* Go
0068	08 03	* Go
0069	06 14	ST 14
0070	08 12	* x^2
0071	04 14	× 14
0072	07 00	RE O
0073	08 12	* x^2
0074	06 15	ST 15
0075	07 01	RE 1
0076	04 15	× 15
0077	00 02	E 2
0078	04 15	× 15
0079	03 14	− 14
0080	07 01	RE 1
0081	06 15	ST 15
0082	08 12	* x^2
0083	04 15	× 15
0084	02 14	+ 14
0085	07 00	RE O
0086	04 14	× 14
0087	07 05	RE 5
0088	04 14	× 14
0089	00 02	E 2
0090	00 04	E 4
0091	00 12	E 12
0092	05 14	÷ 14
0093	08 03	* Go
0094	08 03	* Go
0095	09 03	* SP

Step No.	Code	Key
0096	09 14	* EP

Remarks:

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TITLE: END SUPPORTED BEAM - TRIANGULAR LOAD NO. 1050-2-CE3 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	06 15	ST 15
0009	00 01	E 1
0010	00 02	E 2
0011	05 15	÷ 15
0012	00 02	E 2
0013	05 15	÷ 15
0014	07 01	RE 1
0015	04 15	× 15
0016	06 02	ST 2
0017	09 03	* SP
0018	08 03	* Go
0019	08 03	* Go
0020	06 03	ST 3
0021	09 03	* SP
0022	08 03	* Go
0023	08 03	* Go
0024	06 04	ST 4
0025	08 03	* Go
0026	08 03	* Go
0027	08 03	* Go
0028	08 03	* Go
0029	07 02	RE 2
0030	06 15	ST 15
0031	07 03	RE 3
0032	05 15	÷ 15
0033	07 04	RE 4
0034	05 15	÷ 15
0035	06 05	ST 5
0036	07 01	RE 1
0037	06 14	ST 14
0038	08 12	* x^2
0039	04 14	× 14
0040	04 15	× 15
0041	00 10	E 10
0042	00 00	E 0
0043	00 01	E 1
0044	00 03	E 3
0045	00 00	E 0
0046	00 04	E 4
0047	00 12	E 12
0048	04 15	× 15
0049	08 03	* Go
0050	09 03	* SP
0051	07 05	RE 5
0052	06 15	ST 15
0053	07 01	RE 1
0054	08 12	* x^2
0055	04 15	× 15
0056	00 07	E 7
0057	00 12	E 12
0058	04 15	× 15
0059	00 01	E 1
0060	00 08	E 8
0061	00 00	E 0
0062	05 15	÷ 15
0063	08 03	* Go

Remarks:

BLOCK 12, Verify 1528

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TITLE: END SUPPORTED BEAM - TRIANGULAR LOAD NO. 1050-2-CE3 Page of

Step No.	Code	Key
0064	09 03	* SP
0065	07 05	RE 5
0066	06 15	ST 15
0067	07 01	RE 1
0068	08 12	* x^2
0069	04 15	× 15
0070	00 08	E 8
0071	04 15	× 15
0072	00 01	E 1
0073	00 08	E 8
0074	00 00	E 0
0075	05 15	÷ 15
0076	08 03	* Go
0077	08 03	* Go
0078	08 03	* Go
0079	08 03	* Go
0080	08 03	* Go
0081	08 03	* Go
0082	09 03	* SP
0083	09 00	* M
0084	10 01	f 1
0085	06 00	ST 0
0086	08 03	* Go
0087	08 03	* Go
0088	08 12	* x^2
0089	08 12	* x^2
0090	06 14	ST 14
0091	00 03	E 3
0092	04 14	× 14
0093	07 01	RE 1
0094	08 12	* x^2
0095	06 15	ST 15

Step No.	Code	Key
0096	07 00	RE 0
0097	08 12	* x^2
0098	04 15	× 15
0099	00 01	E 1
0100	00 00	E 0
0101	04 15	× 15
0102	03 14	− 14
0103	07 01	RE 1
0104	08 12	* x^2
0105	08 12	* x^2
0106	06 15	ST 15
0107	00 07	E 7
0108	04 15	× 15
0109	02 14	+ 14
0110	07 05	RE 5
0111	04 14	× 14
0112	07 00	RE 0
0113	04 14	× 14
0114	07 01	RE 1
0115	08 12	* x^2
0116	05 14	÷ 14
0117	00 01	E 1
0118	00 08	E 8
0119	00 00	E 0
0120	00 12	E 12
0121	05 14	÷ 14
0122	08 03	* Go
0123	08 03	* Go
0124	09 03	* SP
0125	09 14	* EP

Remarks:

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TITLE: BOND DOLLAR PRICE AND YIELD NO. 1051-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 14	f14
0002	06 11	ST11
0003	09 03	* SP
0004	06 12	ST12
0005	09 03	* SP
0006	06 13	ST13
0007	09 15	* RT
0008	09 00	* M
0009	10 15	f15
0010	07 11	RE11
0011	09 02	* α
0012	09 03	* SP
0013	07 12	RE12
0014	09 02	* α
0015	09 03	* SP
0016	07 13	RE13
0017	09 02	* α
0018	09 03	* SP
0019	00 15	E15
0020	09 15	* RT
0021	09 00	* M
0022	11 00	F0
0023	06 00	ST0
0024	08 03	* Go
0025	08 03	* Go
0026	08 03	* Go
0027	08 03	* Go
0028	07 11	RE11
0029	11 04	F4
0030	00 12	E12
0031	06 01	ST1
0032	07 12	RE12
0033	08 03	* Go
0034	08 03	* Go
0035	03 01	-1
0036	07 13	RE13
0037	11 05	F5
0038	03 01	-1
0039	09 03	* SP
0040	11 04	F4
0041	02 01	+1
0042	08 03	* Go
0043	08 03	* Go
0044	09 03	* SP
0045	02 01	+1
0046	09 03	* SP
0047	11 05	F5
0048	02 01	+1
0049	00 03	E3
0050	00 00	E0
0051	05 01	÷1
0052	08 05	* J+
0053	00 01	E1
0054	00 02	E2
0055	00 00	E0
0056	00 00	E0
0057	02 01	+1
0058	06 02	ST2
0059	09 12	* I
0060	06 01	ST1
0061	03 02	-2
0062	00 06	E6
0063	05 01	÷1

Remarks:

BLOCK 13, Verify 3290

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TITLE: BOND DOLLAR PRICE AND YIELD

NO. 1051-2-BF2 Page of

Step No.	Code	Key
0064	00 01	E 1
0065	00 00	E 0
0066	00 00	E 0
0067	06 04	ST 4
0068	07 05	RE 5
0069	09 15	* RT
0070	09 00	* M
0071	11 04	F 4
0072	08 03	* Go
0073	08 03	* Go
0074	08 03	* Go
0075	08 03	* Go
0076	06 15	ST 15
0077	00 03	E 3
0078	00 00	E 0
0079	04 15	× 15
0080	09 15	* RT
0081	09 00	* M
0082	11 05	F 5
0083	08 03	* Go
0084	08 03	* Go
0085	06 15	ST 15
0086	00 03	E 3
0087	00 06	E 6
0088	00 00	E 0
0089	04 15	× 15
0090	09 15	* RT
0091	09 00	* M
0092	11 01	F 1
0093	07 01	RE 1
0094	09 12	* I
0095	06 06	ST 6
0096	00 01	E 1
0097	02 06	+ 6
0098	07 03	RE 3
0099	06 15	ST 15
0100	00 02	E 2
0101	00 00	E 0
0102	00 00	E 0
0103	05 15	÷ 15
0104	00 01	E 1
0105	02 15	+ 15
0106	08 10	* LN
0107	06 05	ST 5
0108	04 06	× 6
0109	08 11	* e^x
0110	06 06	ST 6
0111	00 01	E 1
0112	03 06	− 6
0113	09 02	* α
0114	10 02	f 2
0115	06 06	ST 6
0116	07 00	RE 0
0117	04 06	× 6
0118	07 03	RE 3
0119	05 06	÷ 6
0120	07 04	RE 4
0121	02 06	+ 6
0122	09 15	* RT
0123	09 00	* M
0124	11 02	F 2
0125	07 05	RE 5
0126	06 15	ST 15
0127	07 01	RE 1

Remarks:

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TITLE: BOND DOLLAR PRICE AND YIELD NO. 1051-2-BF2 Page of

Step No.	Code	Key
0128	04 15	×15
0129	08 11	* e^x
0130	08 15	* $1/x$
0131	06 07	ST 7
0132	07 06	RE 6
0133	04 07	×7
0134	07 01	RE 1
0135	06 15	ST 15
0136	09 12	* I
0137	03 15	−15
0138	00 01	E 1
0139	03 15	−15
0140	00 02	E 2
0141	05 15	÷15
0142	07 00	RE 0
0143	04 15	×15
0144	02 07	+7
0145	09 00	* M
0146	11 03	F 3
0147	09 02	* α
0148	10 03	f 3
0149	09 12	* I
0150	09 02	* α
0151	11 03	F 3
0152	09 15	* RT
0153	09 00	* M
0154	10 00	f 0
0155	11 00	F 0
0156	09 00	* M
0157	00 00	E 0
0158	08 03	* Go
0159	08 03	* Go
0160	08 03	* Go
0161	08 03	* Go
0162	09 03	* SP
0163	06 03	ST 3
0164	11 06	F 6
0165	07 15	RE 15
0166	08 03	* Go
0167	08 03	* Go
0168	06 09	ST 9
0169	08 00	* S
0170	00 00	E 0
0171	09 00	* M
0172	11 06	F 6
0173	11 01	F 1
0174	11 02	F 2
0175	06 08	ST 8
0176	00 06	E 6
0177	08 15	* $1/x$
0178	02 01	+1
0179	11 02	F 2
0180	06 15	ST 15
0181	07 08	RE 8
0182	03 15	−15
0183	07 02	RE 2
0184	04 15	×15
0185	02 08	+8
0186	00 05	E 5
0187	09 02	* α
0188	11 04	F 4
0189	02 08	+8
0190	11 03	F 3
0191	06 15	ST 15

Remarks:

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TITLE: BOND DOLLAR PRICE AND YIELD NO. 1051-2-BF2 Page of

Step No.	Code	Key
0192	00 06	E 6
0193	08 15	* 1/x
0194	03 01	- 1
0195	09 15	* RT
0196	09 00	* M
0197	10 01	f 1
0198	11 00	F 0
0199	09 00	* M
0200	00 01	E 1
0201	08 03	* Go
0202	08 03	* Go
0203	08 03	* Go
0204	08 03	* Go
0205	09 03	* SP
0206	06 09	ST 9
0207	09 00	* M
0208	00 03	E 3
0209	01 03	T 3
0210	00 01	E 1
0211	06 10	ST 10
0212	09 00	* M
0213	00 02	E 2
0214	07 10	RE 10
0215	02 03	+ 3
0216	11 06	F 6
0217	07 09	RE 9
0218	03 15	- 15
0219	00 12	E 12
0220	08 05	* J+
0221	08 00	* S
0222	00 02	E 2
0223	07 10	RE 10
0224	03 03	- 3
0225	07 10	RE 10
0226	09 02	* α
0227	11 01	F 1
0228	06 10	ST 10
0229	06 15	ST 15
0230	00 01	E 1
0231	09 02	* α
0232	11 04	F 4
0233	03 15	- 15
0234	08 04	* Jo
0235	08 00	* S
0236	00 02	E 2
0237	07 10	RE 10
0238	09 02	* α
0239	10 01	f 1
0240	02 03	+ 3
0241	08 03	* Go
0242	09 03	* SP
0243	08 00	* S
0244	00 01	E 1
0245	09 00	* M
0246	10 04	f 4
0247	07 02	RE 2
0248	06 15	ST 15
0249	00 06	E 6
0250	05 15	÷ 15
0251	07 01	RE 1
0252	02 15	+ 15
0253	09 12	* I
0254	03 15	- 15
0255	09 04	* Je

Remarks:

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TITLE: BOND DOLLAR PRICE AND YIELD NO. 1051-2-BF2 Page of

Step No.	Code	Key
0256	08 00	* S
0257	00 04	E 4
0258	00 01	E 1
0259	03 15	-15
0260	07 00	RE 0
0261	00 12	E 12
0262	04 15	×15
0263	00 02	E 2
0264	05 15	÷15
0265	00 05	E 5
0266	09 02	* α
0267	11 07	F 7
0268	02 15	+15
0269	09 02	* α
0270	10 06	f 6
0271	09 12	* I
0272	09 02	* α
0273	11 06	F 6
0274	09 00	* M
0275	00 04	E 4
0276	06 15	ST 15
0277	08 03	* Lo
0278	09 03	* SP
0279	09 15	* RT
0280	09 14	* LP

Step No.	Code	Key

Remarks:

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TITLE: PERIODIC PAYMENT NO. 1052-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 01	ST 1
0003	08 03	* Go
0004	08 03	* Go
0005	08 03	* Go
0006	08 03	* Go
0007	09 03	* SP
0008	06 15	ST 15
0009	00 01	E 1
0010	00 00	E 0
0011	00 00	E 0
0012	05 15	÷ 15
0013	06 02	ST 2
0014	08 03	* Go
0015	08 03	* Go
0016	09 03	* SP
0017	06 03	ST 3
0018	09 03	* SP
0019	09 00	* M
0020	10 01	f 1
0021	08 03	* Go
0022	08 03	* Go
0023	06 04	ST 4
0024	08 03	* Go
0025	08 03	* Go
0026	07 02	RE 2
0027	06 15	ST 15
0028	07 03	RE 3
0029	05 15	÷ 15
0030	00 01	E 1
0031	02 15	+ 15

Step No.	Code	Key
0032	09 10	* LG
0033	06 14	ST 14
0034	07 04	RE 4
0035	06 15	ST 15
0036	07 03	RE 3
0037	04 15	× 15
0038	04 14	× 14
0039	09 11	* 10^x
0040	08 15	* 1/x
0041	06 14	ST 14
0042	00 01	E 1
0043	03 14	- 14
0044	00 12	E 12
0045	06 15	ST 15
0046	07 01	RE 1
0047	06 14	ST 14
0048	07 02	RE 2
0049	04 14	× 14
0050	07 15	RE 15
0051	05 14	÷ 14
0052	07 03	RE 3
0053	05 14	÷ 14
0054	08 03	* Go
0055	08 03	* Go
0056	08 03	* Go
0057	08 03	* Go
0058	08 03	* Go
0059	08 03	* Go
0060	09 03	* SP
0061	09 14	* EP

Remarks:

BLOCK 14, Verify 797

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TITLE: ADD-ON INTEREST PAYMENTS NO. 1053-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 01	f 1
0002	06 01	ST 1
0003	09 15	* RT
0004	09 00	* M
0005	10 02	f 2
0006	06 02	ST 2
0007	09 15	* RT
0008	09 00	* M
0009	10 03	f 3
0010	06 03	ST 3
0011	09 15	* RT
0012	09 00	* M
0013	10 04	f 4
0014	06 05	ST 5
0015	09 15	* RT
0016	09 00	* M
0017	10 00	f 0
0018	00 03	E 3
0019	00 00	E 0
0020	06 04	ST 4
0021	07 01	RE 1
0022	08 03	* Go
0023	08 03	* Go
0024	06 15	ST 15
0025	07 02	RE 2
0026	08 03	* Go
0027	08 03	* Go
0028	02 15	+ 15
0029	08 03	* Go
0030	08 03	* Go
0031	06 00	ST 0

Step No.	Code	Key
0032	08 03	* Go
0033	08 03	* Go
0034	07 04	RE 4
0035	08 03	* Go
0036	08 03	* Go
0037	08 03	* Go
0038	06 15	ST 15
0039	00 03	E 3
0040	00 00	E 0
0041	03 15	- 15
0042	00 03	E 3
0043	00 06	E 6
0044	00 05	E 5
0045	05 15	÷ 15
0046	06 06	ST 6
0047	07 03	RE 3
0048	08 03	* Go
0049	08 03	* Go
0050	06 14	ST 14
0051	00 01	E 1
0052	00 02	E 2
0053	05 14	÷ 14
0054	02 15	+ 15
0055	07 05	RE 5
0056	08 03	* Go
0057	08 03	* Go
0058	08 03	* Go
0059	08 03	* Go
0060	09 02	* α
0061	11 02	F 2
0062	04 15	× 15
0063	00 01	E 1

Remarks:

BLOCK 15, Verify 2026

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TITLE: ADD-ON INTEREST PAYMENTS NO. 1053-2-BF2 Page of

Step No.	Code	Key
0064	02 15	+15
0065	07 00	RE 0
0066	04 15	×15
0067	07 03	RE 3
0068	05 15	÷15
0069	00 10	E 10
0070	00 00	E 0
0071	00 00	E 0
0072	00 05	E 5
0073	02 15	+15
0074	09 02	* α
0075	10 02	f 2
0076	09 12	* I
0077	09 02	* α
0078	11 02	F 2
0079	06 14	ST 14
0080	06 15	ST 15
0081	07 03	RE 3
0082	04 15	×15
0083	08 03	* Go
0084	09 03	* SP
0085	07 00	RE 0
0086	03 15	−15
0087	08 03	* Go
0088	08 03	* Go
0089	08 03	* Go
0090	09 03	* SP
0091	07 14	RE 14
0092	08 03	* Go
0093	08 03	* Go
0094	08 03	* Go
0095	08 03	* Go

Step No.	Code	Key
0096	09 03	* SP
0097	07 00	RE 0
0098	05 14	÷14
0099	06 00	ST 0
0100	07 05	RE 5
0101	06 15	ST 15
0102	00 06	E 6
0103	05 15	÷15
0104	09 02	* α
0105	11 02	F 2
0106	06 07	ST 7
0107	00 10	E 10
0108	00 00	E 0
0109	04 06	×6
0110	07 03	RE 3
0111	02 06	+6
0112	09 00	* M
0113	10 06	f 6
0114	07 07	RE 7
0115	06 14	ST 14
0116	00 01	E 1
0117	02 14	+14
0118	09 10	* LG
0119	06 14	ST 14
0120	07 06	RE 6
0121	04 14	×14
0122	09 11	* $\sqrt{x}$
0123	08 15	* 1/x
0124	06 14	ST 14
0125	00 01	E 1
0126	03 14	−14
0127	00 12	E 12

Remarks:

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TITLE: ADD-ON INTEREST PAYMENTS NO. 1053-2-BF2 Page of

Step No.	Code	Key
0128	06 14	ST 14
0129	07 00	RE 0
0130	04 14	× 14
0131	06 15	ST 15
0132	07 07	RE 7
0133	03 14	− 14
0134	09 13	* |x|
0135	06 14	ST 14
0136	00 01	E 1
0137	09 02	* α
0138	11 08	F 8
0139	14 14	C 14
0140	03 14	− 14
0141	08 05	* J+
0142	08 00	* S
0143	10 07	f 7
0144	07 07	RE 7
0145	06 15	ST 15
0146	00 01	E 1
0147	00 02	E 2
0148	04 15	× 15
0149	09 02	* α
0150	10 02	f 2
0151	08 03	* Go
0152	08 03	* Go
0153	09 03	* SP
0154	09 00	* M
0155	10 07	f 7
0156	07 15	RE 15
0157	06 07	ST 7
0158	08 00	* S
0159	10 06	f 6

Step No.	Code	Key
0160	09 03	* SP
0161	09 14	* tP

Remarks:

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TITLE: COMPOUND INTEREST AND AMOUNT NO. 1054-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	08 03	* Go
0006	08 03	* Go
0007	09 03	* SP
0008	09 02	* α
0009	11 02	F 2
0010	06 02	ST 2
0011	08 03	* Go
0012	08 03	* Go
0013	09 03	* SP
0014	14 03	C 3
0015	09 03	* SP
0016	09 00	* M
0017	10 01	f 1
0018	08 03	* Go
0019	08 03	* Go
0020	06 04	ST 4
0021	07 02	RE 2
0022	06 14	ST 14
0023	07 03	RE 3
0024	05 14	÷ 14
0025	00 01	E 1
0026	02 14	+ 14
0027	08 10	* LN
0028	06 14	ST 14
0029	07 04	RE 4
0030	04 14	× 14
0031	07 03	RE 3

Step No.	Code	Key
0032	04 14	× 14
0033	08 11	* e^x
0034	06 14	ST 14
0035	07 01	RE 1
0036	06 15	ST 15
0037	04 14	× 14
0038	00 05	E 5
0039	09 02	* α
0040	11 03	F 3
0041	02 14	+ 14
0042	08 03	* Go
0043	08 03	* Go
0044	08 03	* Go
0045	08 03	* Go
0046	08 03	* Go
0047	08 03	* Go
0048	09 03	* SP
0049	03 15	− 15
0050	00 12	E 12
0051	08 03	* Go
0052	08 03	* Go
0053	08 03	* Go
0054	08 03	* Go
0055	08 03	* Go
0056	08 03	* Go
0057	09 03	* SP
0058	09 14	* EP

Remarks:

BLOCK 16, Verify 740

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TITLE: PRESENT VALUE OF A SERIES OF YEARLY CASH FLOWS

NO. 1055-2-BF1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	08 03	* Go
0005	08 03	* Go
0006	09 02	* α
0007	11 02	F 2
0008	06 15	ST 15
0009	00 01	E 1
0010	02 15	+ 15
0011	08 15	* 1/x
0012	06 01	ST 1
0013	06 03	ST 3
0014	00 00	E 0
0015	06 04	ST 4
0016	00 01	E 1
0017	06 00	ST 0
0018	09 00	* M
0019	11 00	F 0
0020	00 15	E 15
0021	09 03	* SP
0022	06 02	ST 2
0023	07 00	RE 0
0024	08 03	* Go
0025	08 03	* Go
0026	07 02	RE 2
0027	08 03	* Go
0028	08 03	* Go
0029	06 15	ST 15
0030	07 03	RE 3
0031	04 15	× 15
0032	02 04	+ 4
0033	00 01	E 1
0034	02 00	+ 0
0035	07 01	RE 1
0036	04 03	× 3
0037	08 03	* Go
0038	08 03	* Go
0039	08 00	* S
0040	11 00	F 0
0041	09 00	* M
0042	00 00	E 0
0043	08 03	* Go
0044	08 03	* Go
0045	07 04	RE 4
0046	06 14	ST 14
0047	00 05	E 5
0048	09 02	* α
0049	11 03	F 3
0050	02 14	+ 14
0051	08 03	* Go
0052	08 03	* Go
0053	09 03	* SP
0054	09 14	* EP

Remarks:

BLOCK 17, Verify 577

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TITLE: PERIODIC INVESTMENT NO. 1056-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	09 03	* SP
0006	08 03	* Go
0007	08 03	* Go
0008	09 02	* α
0009	11 02	F 2
0010	06 02	ST 2
0011	08 03	* Go
0012	08 03	* Go
0013	09 03	* SP
0014	06 03	ST 3
0015	05 02	÷ 2
0016	09 03	* SP
0017	09 00	* M
0018	10 01	f 1
0019	08 03	* Go
0020	08 03	* Go
0021	06 04	ST 4
0022	07 02	RE 2
0023	06 14	ST 14
0024	00 01	E 1
0025	02 14	+ 14
0026	08 10	* LN
0027	06 14	ST 14
0028	07 04	RE 4
0029	04 14	× 14
0030	07 03	RE 3
0031	04 14	× 14
0032	08 11	* e^x
0033	06 14	ST 14
0034	00 01	E 1
0035	03 14	− 14
0036	07 02	RE 2
0037	05 14	÷ 14
0038	08 15	* $1/x$
0039	06 14	ST 14
0040	07 01	RE 1
0041	04 14	× 14
0042	00 05	E 5
0043	09 02	* α
0044	11 03	F 3
0045	02 14	+ 14
0046	08 03	* Go
0047	08 03	* Go
0048	08 03	* Go
0049	08 03	* Go
0050	08 03	* Go
0051	08 03	* Go
0052	08 03	* Go
0053	08 03	* Go
0054	09 03	* SP
0055	09 14	* EP

Remarks:

BLOCK 18, Verify 692

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TITLE: SUM FROM INVESTMENT

NO. 1057-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	08 03	* Go
0006	08 03	* Go
0007	09 03	* SP
0008	09 02	* α
0009	11 02	F 2
0010	06 02	ST 2
0011	08 03	* Go
0012	08 03	* Go
0013	09 03	* SP
0014	06 03	ST 3
0015	05 02	÷ 2
0016	09 03	* SP
0017	09 00	* M
0018	10 01	f 1
0019	08 03	* Go
0020	08 03	* Go
0021	06 04	ST 4
0022	07 02	RE 2
0023	06 14	ST 14
0024	00 01	E 1
0025	02 14	+ 14
0026	08 10	* LN
0027	06 14	ST 14
0028	07 04	RE 4
0029	04 14	× 14
0030	07 03	RE 3
0031	04 14	× 14

Step No.	Code	Key
0032	08 11	* e^x
0033	06 14	ST 14
0034	00 01	E 1
0035	03 14	− 14
0036	07 02	RE 2
0037	05 14	÷ 14
0038	06 14	ST 14
0039	07 01	RE 1
0040	04 14	× 14
0041	00 05	E 5
0042	09 02	* α
0043	11 03	F 3
0044	02 14	+ 14
0045	08 03	* Go
0046	08 03	* Go
0047	08 03	* Go
0048	08 03	* Go
0049	08 03	* Go
0050	08 03	* Go
0051	08 03	* Go
0052	08 03	* Go
0053	09 03	* SP
0054	09 14	* EP

Remarks:

BLOCK 19, Verify 669

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TITLE: DECLINING BALANCE DEPRECIATION RATE NO. 1058-2-BF1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	06 15	ST 15
0006	08 03	* Go
0007	08 03	* Go
0008	09 03	* SP
0009	05 15	÷ 15
0010	08 15	* 1/x
0011	08 10	* LN
0012	06 15	ST 15
0013	08 03	* Go
0014	08 03	* Go
0015	09 03	* SP
0016	08 15	* 1/x
0017	04 15	× 15
0018	08 11	* e^x
0019	06 15	ST 15
0020	00 01	E 1
0021	03 15	− 15
0022	00 12	E 12
0023	09 02	* α
0024	10 02	f 2
0025	08 03	* Go
0026	08 03	* Go
0027	08 03	* Go
0028	08 03	* Go
0029	09 03	* SP
0030	09 14	* EP

Step No.	Code	Key

Remarks:

BLOCK 20, Verify 424

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TITLE: DEPRECIATION CHARGE (Declining Balance) NO. 1059-2-BF1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 01	ST 1
0005	08 03	* Go
0006	08 03	* Go
0007	09 03	* SP
0008	09 02	* α
0009	11 02	F 2
0010	06 14	ST 14
0011	06 15	ST 15
0012	00 01	E 1
0013	03 14	− 14
0014	00 12	E 12
0015	08 10	* LN
0016	06 14	ST 14
0017	08 03	* Go
0018	08 03	* Go
0019	09 03	* SP
0020	06 03	ST 3
0021	00 01	E 1
0022	03 03	− 3
0023	04 14	× 14
0024	08 11	* e^x
0025	04 15	× 15
0026	04 01	× 1
0027	08 03	* Go
0028	08 03	* Go
0029	00 05	E 5
0030	09 02	* α
0031	11 03	F 3
0032	02 01	+ 1
0033	08 03	* Go
0034	08 03	* Go
0035	09 03	* SP
0036	09 14	* EP

Remarks:

BLOCK 21, Verify 438

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TITLE: SALVAGE VALUE (Book)

NO. 1060-2-BF1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	09 02	* α
0005	11 02	F 2
0006	06 15	ST 15
0007	00 01	E 1
0008	03 15	− 15
0009	00 12	E 12
0010	08 10	* LN
0011	06 15	ST 15
0012	08 03	* Go
0013	08 03	* Go
0014	09 03	* SP
0015	04 15	× 15
0016	08 11	* e^x
0017	06 15	ST 15
0018	08 03	* Go
0019	08 03	* Go
0020	09 03	* SP
0021	04 15	× 15
0022	00 05	E 5
0023	09 02	* α
0024	11 03	F 3
0025	02 15	+ 15
0026	08 03	* Go
0027	08 03	* Go
0028	08 03	* Go
0029	08 03	* Go
0030	09 03	* SP
0031	09 14	* EP

Step No.	Code	Key

Remarks:

BLOCK 22, Verify 428

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TITLE: DEPRECIATION (Sum of the Digits) NO. 1061-2-BF1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	08 03	* Go
0003	08 03	* Go
0004	06 15	ST 15
0005	08 03	* Go
0006	08 03	* Go
0007	09 03	* SP
0008	03 15	− 15
0009	06 01	ST 1
0010	08 03	* Go
0011	08 03	* Go
0012	09 03	* SP
0013	06 00	ST 0
0014	06 15	ST 15
0015	00 01	E 1
0016	02 15	+ 15
0017	06 14	ST 14
0018	08 03	* Go
0019	08 03	* Go
0020	09 03	* SP
0021	03 15	− 15
0022	07 14	RE 14
0023	05 15	÷ 15
0024	00 02	E 2
0025	04 15	× 15
0026	07 00	RE 0
0027	05 15	÷ 15
0028	07 01	RE 1
0029	04 15	× 15
0030	00 05	E 5
0031	09 02	* α
0032	11 03	F 3
0033	02 15	+ 15
0034	08 03	* Go
0035	08 03	* Go
0036	08 03	* Go
0037	08 03	* Go
0038	09 03	* SP
0039	09 14	* EP

Remarks:

BLOCK 23, Verify 514

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TITLE: AVERAGE LIFE (Annual, Semi-annual) NO. 1062-2-BF2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	11 00	F 0
0002	06 14	ST 14
0003	00 03	E 3
0004	00 00	E 0
0005	04 14	× 14
0006	09 03	* SP
0007	02 14	+ 14
0008	09 03	* SP
0009	06 15	ST 15
0010	00 03	E 3
0011	00 06	E 6
0012	00 00	E 0
0013	04 15	× 15
0014	02 14	+ 14
0015	00 03	E 3
0016	00 06	E 6
0017	00 00	E 0
0018	05 14	÷ 14
0019	09 02	* α
0020	10 06	f 6
0021	09 12	* I
0022	09 02	* α
0023	11 06	F 6
0024	09 15	* RT
0025	09 00	* M
0026	11 01	F 1
0027	00 02	E 2
0028	09 11	* y^x
0029	02 14	+ 14
0030	09 15	* RT
0031	09 00	* M

Step No.	Code	Key
0032	10 12	f 12
0033	11 00	F 0
0034	06 01	ST 1
0035	00 02	E 2
0036	06 00	ST 0
0037	00 10	E 10
0038	00 05	E 5
0039	06 05	ST 5
0040	08 00	* S
0041	00 06	E 6
0042	09 00	* M
0043	10 11	f 11
0044	11 00	F 0
0045	06 01	ST 1
0046	00 01	E 1
0047	06 00	ST 0
0048	06 05	ST 5
0049	09 00	* M
0050	00 06	E 6
0051	00 00	E 0
0052	06 10	ST 10
0053	06 11	ST 11
0054	09 03	* SP
0055	11 00	F 0
0056	06 02	ST 2
0057	09 03	* SP
0058	06 03	ST 3
0059	09 03	* SP
0060	06 04	ST 4
0061	09 00	* M
0062	00 01	E 1
0063	00 00	E 0

Remarks:

BLOCK 24, Verify 1809

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TITLE: AVERAGE LIFE (Annual, Semi-annual) NO. 1062-2-BF2 Page of

Step No.	Code	Key
0064	06 12	ST12
0065	07 04	RE4
0066	09 03	* SP
0067	06 06	ST6
0068	09 03	* SP
0069	11 00	F0
0070	06 07	ST7
0071	09 03	* SP
0072	11 00	F0
0073	06 08	ST8
0074	06 14	ST14
0075	07 07	RE7
0076	03 14	-14
0077	08 05	* J+
0078	08 03	* Go
0079	11 01	F1
0080	07 00	RE0
0081	04 14	×14
0082	00 01	E1
0083	02 14	+14
0084	06 09	ST9
0085	07 06	RE6
0086	04 14	×14
0087	02 11	+11
0088	07 07	RE7
0089	06 14	ST14
0090	07 01	RE1
0091	03 14	-14
0092	08 05	* J+
0093	08 03	* Go
0094	11 01	F1
0095	06 13	ST13

Step No.	Code	Key
0096	09 00	* M
0097	00 03	E3
0098	07 06	RE6
0099	04 14	×14
0100	02 10	+10
0101	00 01	E1
0102	02 12	+12
0103	07 09	RE9
0104	06 14	ST14
0105	07 12	RE12
0106	03 14	-14
0107	08 04	* Jo
0108	08 00	* S
0109	00 04	E4
0110	08 00	* S
0111	00 02	E2
0112	09 00	* M
0113	00 04	E4
0114	07 05	RE5
0115	02 13	+13
0116	06 14	ST14
0117	08 00	* S
0118	00 03	E3
0119	09 00	* M
0120	00 02	E2
0121	00 01	E1
0122	03 04	-4
0123	08 04	* Jo
0124	08 00	* S
0125	00 01	E1
0126	07 03	RE3
0127	06 15	ST15

Remarks:

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TITLE: AVERAGE LIFE (Annual, Semi-annual)

NO. 1062-2-BF2 Page of

Step No.	Code	Key
0128	07 11	RE 11
0129	03 15	− 15
0130	07 02	RE 2
0131	06 14	ST 14
0132	07 01	RE 1
0133	03 14	− 14
0134	08 05	* J_+
0135	08 03	* G_0
0136	11 01	F 1
0137	07 15	RE 15
0138	04 14	× 14
0139	02 10	+ 10
0140	06 14	ST 14
0141	07 03	RE 3
0142	05 14	÷ 14
0143	00 05	E 5
0144	09 02	* α
0145	11 04	F 4
0146	02 14	+ 14
0147	09 02	* α
0148	10 03	f 3
0149	09 12	* I
0150	09 02	* α
0151	11 03	F 3
0152	09 15	* RT
0153	09 14	* LP

Step No.	Code	Key

Remarks:

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TITLE: BASIC E. E. DEMO NO. 1063-2-EE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	11 00	F 0
0002	08 02	* W
0003	00 15	E 15
0004	09 03	* SP
0005	09 00	* M
0006	11 01	F 1
0007	09 02	* α
0008	10 00	f 0
0009	06 14	ST 14
0010	00 02	E 2
0011	04 14	× 14
0012	09 15	* RT
0013	09 00	* M
0014	10 00	f 0
0015	06 15	ST 15
0016	08 03	* Go
0017	08 03	* Go
0018	11 01	F 1
0019	04 15	× 15
0020	08 03	* Go
0021	09 03	* SP
0022	11 00	F 0
0023	09 00	* M
0024	10 01	f 1
0025	06 15	ST 15
0026	08 03	* Go
0027	08 03	* Go
0028	08 03	* Go
0029	08 03	* Go
0030	00 15	E 15
0031	09 03	* SP
0032	04 15	× 15
0033	11 01	F 1
0034	04 15	× 15
0035	08 15	* 1/x
0036	08 03	* Go
0037	09 03	* SP
0038	11 00	F 0
0039	09 00	* M
0040	10 02	f 2
0041	06 15	ST 15
0042	08 03	* Go
0043	08 03	* Go
0044	08 03	* Go
0045	08 03	* Go
0046	00 15	E 15
0047	09 03	* SP
0048	04 15	× 15
0049	11 01	F 1
0050	04 15	× 15
0051	08 03	* Go
0052	09 03	* SP
0053	11 00	F 0
0054	09 00	* M
0055	10 03	f 3
0056	08 03	* Go
0057	08 03	* Go
0058	09 10	* LG
0059	09 02	* α
0060	10 01	f 1
0061	08 03	* Go
0062	09 03	* SP
0063	11 00	F 0

Remarks:

BLOCK 25, Verify 3786

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TITLE: BASIC E.E. DEMO

NO. 1063-2-EE2 Page of

Step No.	Code	Key
0064	09 00	* M
0065	10 04	f 4
0066	08 03	* Go
0067	08 03	* Go
0068	09 02	* α
0069	11 01	F 1
0070	09 11	* 10^x
0071	08 03	* Go
0072	09 03	* SP
0073	11 00	F 0
0074	09 00	* M
0075	10 05	f 5
0076	08 03	* Go
0077	08 03	* Go
0078	08 15	* $1/x$
0079	06 15	ST 15
0080	00 03	E 3
0081	09 02	* α
0082	10 10	f 10
0083	04 15	× 15
0084	08 03	* Go
0085	09 03	* SP
0086	11 00	F 0
0087	09 00	* M
0088	10 06	f 6
0089	06 15	ST 15
0090	08 03	* Go
0091	08 03	* Go
0092	11 01	F 1
0093	04 15	× 15
0094	00 03	E 3
0095	09 02	* α

Step No.	Code	Key
0096	10 10	f 10
0097	05 15	÷ 15
0098	08 03	* Go
0099	09 03	* SP
0100	11 00	F 0
0101	09 00	* M
0102	10 07	f 7
0103	06 15	ST 15
0104	08 03	* Go
0105	08 03	* Go
0106	08 03	* Go
0107	08 03	* Go
0108	00 15	E 15
0109	09 03	* SP
0110	04 15	× 15
0111	08 13	* $\sqrt{x}$
0112	06 15	ST 15
0113	11 01	F 1
0114	04 15	× 15
0115	08 15	* $1/x$
0116	08 03	* Go
0117	09 03	* SP
0118	11 00	F 0
0119	09 00	* M
0120	10 08	f 8
0121	06 15	ST 15
0122	08 03	* Go
0123	08 03	* Go
0124	08 03	* Go
0125	08 03	* Go
0126	00 15	E 15
0127	09 03	* SP

Remarks:

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TITLE: BASIC E. E. DEMO

NO. 1063-2-EE2 Page of

Step No.	Code	Key
0128	05 15	÷15
0129	09 10	* LG
0130	06 15	ST15
0131	00 01	E 1
0132	00 03	E 3
0133	00 08	E 8
0134	00 10	E 10
0135	00 02	E 2
0136	04 15	×15
0137	08 03	* Go
0138	09 03	* SP
0139	11 00	F 0
0140	09 00	* M
0141	10 09	f 9
0142	06 15	ST15
0143	08 03	* Go
0144	08 03	* Go
0145	00 03	E 3
0146	09 02	* α
0147	10 10	f 10
0148	05 15	÷15
0149	08 03	* Go
0150	09 03	* SP
0151	11 00	F 0
0152	09 00	* M
0153	10 10	f 10
0154	08 03	* Go
0155	08 03	* Go
0156	06 15	ST15
0157	06 14	ST14
0158	00 01	E 1
0159	03 15	−15

Step No.	Code	Key
0160	00 01	E 1
0161	02 14	+14
0162	05 15	÷15
0163	08 03	* Go
0164	09 03	* SP
0165	11 00	F 0
0166	09 00	* M
0167	10 11	f 11
0168	08 03	* Go
0169	08 03	* Go
0170	06 15	ST15
0171	06 14	ST14
0172	00 01	E 1
0173	02 15	+15
0174	00 01	E 1
0175	03 14	−14
0176	00 12	E 12
0177	05 15	÷15
0178	08 03	* Go
0179	09 03	* SP
0180	11 00	F 0
0181	09 00	* M
0182	10 12	f 12
0183	09 02	* α
0184	10 06	f 6
0185	08 03	* Go
0186	08 03	* Go
0187	08 15	* 1/x
0188	06 15	ST15
0189	00 03	E 3
0190	09 02	* α
0191	10 10	f 10

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TITLE: BASIC E. E. DEMO

NO. 1063-2-EE2 Page of

Step No.	Code	Key
0192	04 15	×15
0193	06 14	ST14
0194	00 02	E 2
0195	05 15	÷15
0196	08 03	* Go
0197	08 03	* Go
0198	00 15	E15
0199	09 03	* SP
0200	05 15	÷15
0201	08 12	* x^2
0202	06 15	ST15
0203	00 01	E 1
0204	03 15	−15
0205	00 12	E12
0206	08 13	* $\sqrt{x}$
0207	05 14	÷14
0208	08 03	* Go
0209	09 03	* SP
0210	11 00	F 0
0211	09 00	* M
0212	10 13	f13
0213	08 03	* Go
0214	08 03	* Go
0215	06 14	ST14
0216	06 15	ST15
0217	00 01	E 1
0218	03 14	−14
0219	00 01	E 1
0220	02 15	+15
0221	05 14	÷14
0222	04 14	×14
0223	00 01	E 1

Step No.	Code	Key
0224	03 14	−14
0225	00 12	E12
0226	09 10	* LG
0227	09 02	* α
0228	10 01	f 1
0229	08 03	* Go
0230	09 03	* SP
0231	11 00	F 0
0232	09 00	* M
0233	10 14	f14
0234	08 03	* Go
0235	08 03	* Go
0236	06 15	ST15
0237	06 14	ST14
0238	00 01	E 1
0239	03 14	−14
0240	00 01	E 1
0241	02 15	+15
0242	05 14	÷14
0243	04 14	×14
0244	09 10	* LG
0245	09 02	* α
0246	10 01	f 1
0247	08 03	* Go
0248	09 03	* SP
0249	11 00	F 0
0250	09 00	* M
0251	10 15	f15
0252	08 03	* Go
0253	08 03	* Go
0254	06 15	ST15
0255	08 03	* Go

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TITLE: BASIC E. E. DEMO NO. 1063-2-EE2 Page of

Step No.	Code	Key
0256	08 03	* Go
0257	00 15	E 15
0258	09 03	* SP
0259	06 14	ST 14
0260	05 15	÷ 15
0261	04 15	× 15
0262	00 01	E 1
0263	03 15	− 15
0264	00 12	E 12
0265	08 13	* √x
0266	06 15	ST 15
0267	00 05	E 5
0268	00 04	E 4
0269	00 10	E 10
0270	00 06	E 6
0271	04 15	× 15
0272	07 14	RE 14
0273	04 15	× 15
0274	00 03	E 3
0275	09 02	* α
0276	10 10	f 10
0277	05 15	÷ 15
0278	08 03	* Go
0279	09 03	* SP
0280	11 00	F 0
0281	09 03	* SP
0282	09 14	* EP

Step No.	Code	Key

Remarks:

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TITLE: DESIGN E. E. DEMO A

NO. 1064-2-EE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	11 00	F 0
0002	08 11	* e^x
0003	06 06	ST 6
0004	08 15	* $1/x$
0005	03 06	- 6
0006	00 02	E 2
0007	05 06	÷ 6
0008	09 15	* RT
0009	09 00	* M
0010	11 01	F 1
0011	06 06	ST 6
0012	08 12	* x^2
0013	06 05	ST 5
0014	00 01	E 1
0015	02 05	+ 5
0016	08 13	* $\sqrt{x}$
0017	02 06	+ 6
0018	08 10	* LN
0019	09 15	* RT
0020	09 00	* M
0021	11 02	F 2
0022	08 11	* e^x
0023	06 06	ST 6
0024	08 15	* $1/x$
0025	02 06	+ 6
0026	00 02	E 2
0027	05 06	÷ 6
0028	09 15	* RT
0029	09 00	* M
0030	11 03	F 3
0031	06 06	ST 6
0032	08 12	* x^2
0033	06 05	ST 5
0034	00 01	E 1
0035	03 05	- 5
0036	08 13	* $\sqrt{x}$
0037	02 06	+ 6
0038	08 10	* LN
0039	09 15	* RT
0040	09 00	* M
0041	10 00	f 0
0042	06 00	ST 0
0043	08 03	* Go
0044	08 03	* Go
0045	06 15	ST 15
0046	00 15	E 15
0047	09 03	* SP
0048	06 01	ST 1
0049	08 03	* Go
0050	08 03	* Go
0051	05 15	÷ 15
0052	08 13	* $\sqrt{x}$
0053	11 03	F 3
0054	06 14	ST 14
0055	00 01	E 1
0056	08 11	* e^x
0057	09 10	* LG
0058	04 14	× 14
0059	00 02	E 2
0060	00 00	E 0
0061	04 14	× 14
0062	08 03	* Go
0063	08 03	* Go

Remarks:

BLOCK 26, Verify 4041

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TITLE: DESIGN E. E. DEMO A NO. 1064-2-EE2 Page of

Step No.	Code	Key
0064	08 03	* Go
0065	09 03	* SP
0066	09 15	* RT
0067	09 00	* M
0068	10 01	f 1
0069	08 03	* Go
0070	08 03	* Go
0071	06 15	ST 15
0072	00 15	E 15
0073	08 03	* Go
0074	08 03	* Go
0075	09 03	* SP
0076	05 15	÷ 15
0077	06 00	ST 0
0078	00 15	E 15
0079	09 03	* SP
0080	06 14	ST 14
0081	08 03	* Go
0082	08 03	* Go
0083	00 10	E 10
0084	00 01	E 1
0085	04 14	× 14
0086	09 11	* 10^x
0087	06 14	ST 14
0088	00 01	E 1
0089	03 14	− 14
0090	06 01	ST 1
0091	00 15	E 15
0092	09 03	* SP
0093	06 02	ST 2
0094	09 00	* M
0095	10 15	f 15

Step No.	Code	Key
0096	08 03	* Go
0097	08 03	* Go
0098	07 00	RE 0
0099	06 14	ST 14
0100	00 01	E 1
0101	03 14	− 14
0102	08 05	* J+
0103	08 00	* S
0104	10 14	f 14
0105	00 01	E 1
0106	02 14	+ 14
0107	11 03	F 3
0108	06 14	ST 14
0109	07 02	RE 2
0110	08 03	* Go
0111	08 03	* Go
0112	04 14	× 14
0113	11 02	F 2
0114	08 00	* S
0115	10 13	f 13
0116	09 00	* M
0117	10 14	f 14
0118	00 01	E 1
0119	02 14	+ 14
0120	09 07	* C^t
0121	06 14	ST 14
0122	07 02	RE 2
0123	08 03	* Go
0124	09 03	* SP
0125	04 14	× 14
0126	08 07	* CS
0127	09 00	* M

Remarks:

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TITLE: DESIGN E. E. DEMO A

NO. 1064-2-EE2 Page of

Step No.	Code	Key
0128	10 13	f 13
0129	08 12	* x^2
0130	06 15	ST 15
0131	07 01	RE 1
0132	04 15	× 15
0133	00 01	E 1
0134	02 15	+ 15
0135	09 10	* LG
0136	06 15	ST 15
0137	00 01	E 1
0138	00 00	E 0
0139	04 15	× 15
0140	08 03	* Go
0141	08 03	* Go
0142	09 03	* SP
0143	00 01	E 1
0144	02 02	+ 2
0145	08 00	* S
0146	10 15	f 15
0147	09 00	* M
0148	10 02	f 2
0149	10 00	f 0
0150	07 01	RE 1
0151	06 15	ST 15
0152	07 00	RE 0
0153	05 15	÷ 15
0154	00 01	E 1
0155	03 15	− 15
0156	00 12	E 12
0157	08 13	* $\sqrt{x}$
0158	06 15	ST 15
0159	07 00	RE 0

Step No.	Code	Key
0160	06 14	ST 14
0161	07 15	RE 15
0162	04 14	× 14
0163	08 03	* Go
0164	08 03	* Go
0165	09 03	* SP
0166	07 01	RE 1
0167	06 14	ST 14
0168	07 15	RE 15
0169	05 14	÷ 14
0170	08 03	* Go
0171	08 03	* Go
0172	08 03	* Go
0173	09 03	* SP
0174	09 15	* RT
0175	09 00	* M
0176	10 03	f 3
0177	10 00	f 0
0178	08 03	* Go
0179	06 15	ST 15
0180	08 03	* Go
0181	08 03	* Go
0182	00 01	E 1
0183	00 00	E 0
0184	08 10	* LN
0185	04 15	× 15
0186	00 02	E 2
0187	00 00	E 0
0188	05 15	÷ 15
0189	06 02	ST 2
0190	11 00	F 0
0191	08 15	* $\frac{1}{x}$

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TITLE: DESIGN E. E. DEMO A NO. 1064-2-EE2 Page of

Step No.	Code	Key
0192	06 14	ST 14
0193	07 00	RE 0
0194	06 15	ST 15
0195	07 01	RE 1
0196	04 15	× 15
0197	08 13	* √x
0198	04 14	× 14
0199	08 03	* Go
0200	08 03	* Go
0201	09 03	* SP
0202	06 03	ST 3
0203	07 02	RE 2
0204	11 00	F 0
0205	06 14	ST 14
0206	07 02	RE 2
0207	11 02	F 2
0208	05 14	÷ 14
0209	08 15	* 1/x
0210	06 14	ST 14
0211	06 04	ST 4
0212	07 00	RE 0
0213	04 14	× 14
0214	07 03	RE 3
0215	03 14	− 14
0216	08 03	* Go
0217	08 03	* Go
0218	09 03	* SP
0219	07 04	RE 4
0220	06 14	ST 14
0221	07 01	RE 1
0222	04 14	× 14
0223	07 03	RE 3

Step No.	Code	Key
0224	03 14	− 14
0225	08 03	* Go
0226	08 03	* Go
0227	08 03	* Go
0228	09 03	* SP
0229	09 15	* RT
0230	09 00	* M
0231	10 04	f 4
0232	10 00	f 0
0233	08 03	* Go
0234	06 15	ST 15
0235	08 03	* Go
0236	08 03	* Go
0237	00 01	E 1
0238	00 00	E 0
0239	08 10	* LN
0240	04 15	× 15
0241	00 02	E 2
0242	00 00	E 0
0243	05 15	÷ 15
0244	06 02	ST 2
0245	11 00	F 0
0246	06 14	ST 14
0247	07 00	RE 0
0248	06 15	ST 15
0249	07 01	RE 1
0250	04 15	× 15
0251	08 13	* √x
0252	04 14	× 14
0253	08 03	* Go
0254	08 03	* Go
0255	09 03	* SP

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TITLE: DESIGN E.E. DEMO A

NO. 1064-2-EE2 Page of

Step No.	Code	Key
0256	06 03	ST 3
0257	07 02	RE 2
0258	11 00	F 0
0259	06 14	ST 14
0260	07 02	RE 2
0261	11 02	F 2
0262	05 14	÷ 14
0263	06 04	ST 4
0264	07 03	RE 3
0265	06 15	ST 15
0266	07 00	RE 0
0267	06 14	ST 14
0268	07 04	RE 4
0269	04 14	× 14
0270	03 15	− 15
0271	08 15	* 1/x
0272	06 15	ST 15
0273	07 04	RE 4
0274	04 15	× 15
0275	07 03	RE 3
0276	04 15	× 15
0277	07 00	RE 0
0278	04 15	× 15
0279	08 03	* Go
0280	08 03	* Go
0281	09 03	* SP
0282	07 03	RE 3
0283	06 15	ST 15
0284	07 01	RE 1
0285	06 14	ST 14
0286	07 04	RE 4
0287	04 14	× 14

Step No.	Code	Key
0288	03 15	− 15
0289	08 15	* 1/x
0290	06 15	ST 15
0291	07 04	RE 4
0292	04 15	× 15
0293	07 03	RE 3
0294	04 15	× 15
0295	07 01	RE 1
0296	04 15	× 15
0297	08 03	* Go
0298	08 03	* Go
0299	08 03	* Go
0300	09 03	* SP
0301	09 15	* RT
0302	09 03	* SP
0303	09 14	* EP

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TITLE: DESIGN E. E. DEMO B - BAND PASS FILTER DESIGN

NO. 1065-2-EE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	11 00	F 0
0002	06 10	ST 10
0003	08 12	* x^2
0004	06 11	ST 11
0005	00 01	E 1
0006	02 11	+11
0007	08 13	* $\sqrt{x}$
0008	02 10	+10
0009	08 10	* LN
0010	09 15	* RT
0011	09 00	* M
0012	11 01	F 1
0013	06 10	ST 10
0014	08 12	* x^2
0015	06 11	ST 11
0016	00 01	E 1
0017	03 11	-11
0018	08 13	* $\sqrt{x}$
0019	02 10	+10
0020	08 10	* LN
0021	09 15	* RT
0022	09 00	* M
0023	10 01	f 1
0024	07 00	RE 0
0025	09 03	* SP
0026	06 00	ST 0
0027	09 15	* RT
0028	09 00	* M
0029	10 02	f 2
0030	07 01	RE 1
0031	09 03	* SP
0032	06 01	ST 1
0033	09 15	* RT
0034	09 00	* M
0035	10 03	f 3
0036	07 02	RE 2
0037	09 03	* SP
0038	06 02	ST 2
0039	09 15	* RT
0040	09 00	* M
0041	10 04	f 4
0042	07 03	RE 3
0043	09 03	* SP
0044	06 03	ST 3
0045	09 15	* RT
0046	09 00	* M
0047	10 00	f 0
0048	08 03	* Go
0049	08 03	* Go
0050	06 06	ST 6
0051	00 15	E 15
0052	09 03	* SP
0053	08 03	* Go
0054	08 03	* Go
0055	06 07	ST 7
0056	00 15	E 15
0057	08 03	* Go
0058	08 03	* Go
0059	09 03	* SP
0060	06 08	ST 8
0061	06 14	ST 14
0062	07 07	RE 7
0063	03 14	-14

Remarks:

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DESIGN E. E. DEMO B -

TITLE: BAND PASS FILTER DESIGN

NO. 1065-2-EE2 Page of

Step No.	Code	Key
0064	09 02	* α
0065	10 00	f 0
0066	05 14	÷ 14
0067	00 04	E 4
0068	05 14	÷ 14
0069	07 08	RE 8
0070	05 14	÷ 14
0071	07 07	RE 7
0072	05 14	÷ 14
0073	07 06	RE 6
0074	05 14	÷ 14
0075	06 00	ST 0
0076	07 06	RE 6
0077	08 12	* x^2
0078	04 14	× 14
0079	06 03	ST 3
0080	07 08	RE 8
0081	06 14	ST 14
0082	07 07	RE 7
0083	03 14	− 14
0084	07 06	RE 6
0085	04 14	× 14
0086	09 02	* α
0087	10 00	f 0
0088	04 14	× 14
0089	08 15	* $\frac{1}{x}$
0090	06 02	ST 2
0091	06 14	ST 14
0092	07 06	RE 6
0093	08 12	* x^2
0094	04 14	× 14
0095	06 01	ST 1

Step No.	Code	Key
0096	00 01	E 1
0097	08 11	* e^x
0098	09 10	* LG
0099	06 14	ST 14
0100	00 04	E 4
0101	00 00	E 0
0102	04 14	× 14
0103	06 05	ST 5
0104	09 02	* α
0105	10 00	f 0
0106	06 14	ST 14
0107	00 02	E 2
0108	04 14	× 14
0109	06 04	ST 4
0110	09 00	* M
0111	10 05	f 5
0112	08 03	* Go
0113	08 03	* Go
0114	07 00	RE 0
0115	08 03	* Go
0116	09 03	* SP
0117	07 01	RE 1
0118	08 03	* Go
0119	09 03	* SP
0120	07 02	RE 2
0121	08 03	* Go
0122	09 03	* SP
0123	07 03	RE 3
0124	08 03	* Go
0125	08 03	* Go
0126	08 03	* Go
0127	08 03	* Go

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DESIGN E. E. DEMO B -

TITLE: BAND PASS FILTER DESIGN

NO. 1065-2-EE2 Page of

Step No.	Code	Key
0128	09 03	* SP
0129	09 00	* M
0130	10 06	f 6
0131	08 03	* Go
0132	08 03	* Go
0133	06 15	ST 15
0134	07 04	RE 4
0135	04 15	× 15
0136	04 15	× 15
0137	06 06	ST 6
0138	07 00	RE 0
0139	04 15	× 15
0140	07 01	RE 1
0141	04 15	× 15
0142	00 01	E 1
0143	03 15	− 15
0144	06 14	ST 14
0145	07 06	RE 6
0146	06 15	ST 15
0147	07 02	RE 2
0148	04 15	× 15
0149	07 03	RE 3
0150	04 15	× 15
0151	00 01	E 1
0152	03 15	− 15
0153	00 12	E 12
0154	04 14	× 14
0155	07 06	RE 6
0156	05 14	÷ 14
0157	00 04	E 4
0158	05 14	÷ 14
0159	07 00	RE 0
0160	05 14	÷ 14
0161	07 03	RE 3
0162	05 14	÷ 14
0163	06 07	ST 7
0164	08 05	* J+
0165	08 00	* S
0166	10 07	f 7
0167	08 13	* √x
0168	11 00	F 0
0169	06 15	ST 15
0170	07 05	RE 5
0171	04 15	× 15
0172	08 02	* W
0173	03 08	− 8
0174	08 02	* W
0175	00 15	E 15
0176	09 03	* SP
0177	09 00	* M
0178	10 07	f 7
0179	09 13	* |x|
0180	06 14	ST 14
0181	06 15	ST 15
0182	00 01	E 1
0183	03 14	− 14
0184	08 05	* J+
0185	08 00	* S
0186	10 08	f 8
0187	07 15	RE 15
0188	08 13	* √x
0189	11 01	F 1
0190	06 14	ST 14
0191	07 05	RE 5

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TITLE: DESIGN E. E. DEMO B - BAND PASS FILTER DESIGN

NO. 1065-2-EE2 Page of

Step No.	Code	Key
0192	04 14	×14
0193	08 03	* Go
0194	08 03	* Go
0195	08 03	* Go
0196	08 03	* Go
0197	09 03	* SP
0198	09 00	* M
0199	10 08	f8
0200	00 00	E0
0201	08 03	* Go
0202	08 03	* Go
0203	08 03	* Go
0204	08 03	* Go
0205	09 03	* SP
0206	09 14	* EP

Step No.	Code	Key

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TITLE: DESIGN E.E. DEMO C NO. 1066-2-EE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 01	f 1
0002	07 01	RE 1
0003	09 03	* SP
0004	06 01	ST 1
0005	09 15	* RT
0006	09 00	* M
0007	10 02	f 2
0008	07 02	RE 2
0009	09 03	* SP
0010	06 02	ST 2
0011	09 15	* RT
0012	09 00	* M
0013	10 03	f 3
0014	07 03	RE 3
0015	09 02	* α
0016	11 06	F 6
0017	09 03	* SP
0018	09 02	* α
0019	10 06	f 6
0020	06 03	ST 3
0021	09 15	* RT
0022	09 00	* M
0023	10 04	f 4
0024	07 04	RE 4
0025	09 03	* SP
0026	06 04	ST 4
0027	09 15	* RT
0028	09 00	* M
0029	10 05	f 5
0030	07 05	RE 5
0031	09 03	* SP
0032	06 05	ST 5
0033	09 15	* RT
0034	09 00	* M
0035	10 06	f 6
0036	07 06	RE 6
0037	09 03	* SP
0038	06 06	ST 6
0039	09 15	* RT
0040	09 00	* M
0041	10 00	f 0
0042	00 01	E 1
0043	06 14	ST 14
0044	07 04	RE 4
0045	03 14	− 14
0046	07 02	RE 2
0047	04 14	× 14
0048	07 03	RE 3
0049	04 14	× 14
0050	07 02	RE 2
0051	06 15	ST 15
0052	07 03	RE 3
0053	02 15	+ 15
0054	07 01	RE 1
0055	04 15	× 15
0056	02 14	+ 14
0057	06 07	ST 7
0058	07 03	RE 3
0059	06 15	ST 15
0060	07 04	RE 4
0061	04 15	× 15
0062	07 01	RE 1
0063	03 15	− 15

Remarks:

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TITLE: DESIGN E. E. DEMO C

NO. 1066-2-EE2 Page of

Step No.	Code	Key
0064	07 05	RE 5
0065	08 03	* Go
0066	08 03	* Go
0067	04 15	× 15
0068	03 14	− 14
0069	07 06	RE 6
0070	08 03	* Go
0071	08 03	* Go
0072	04 14	× 14
0073	06 00	ST 0
0074	07 07	RE 7
0075	06 14	ST 14
0076	07 06	RE 6
0077	06 15	ST 15
0078	07 05	RE 5
0079	02 15	+ 15
0080	04 14	× 14
0081	07 01	RE 1
0082	06 15	ST 15
0083	07 02	RE 2
0084	02 15	+ 15
0085	07 06	RE 6
0086	04 15	× 15
0087	07 05	RE 5
0088	04 15	× 15
0089	02 14	+ 14
0090	07 00	RE 0
0091	06 15	ST 15
0092	07 14	RE 14
0093	05 15	÷ 15
0094	08 03	* Go
0095	08 03	* Go

Step No.	Code	Key
0096	08 03	* Go
0097	08 03	* Go
0098	09 03	* SP
0099	09 14	* EP

Remarks:

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TITLE: TCHEBYSHEFF LOW PASS FILTER DESIGN NO. 1067-2-EE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 15	ST 15
0003	00 00	E 0
0004	06 00	ST 0
0005	08 00	* S
0006	11 00	F 0
0007	09 00	* M
0008	10 01	f 1
0009	06 15	ST 15
0010	00 01	E 1
0011	06 00	ST 0
0012	09 00	* M
0013	11 00	F 0
0014	00 01	E 1
0015	00 00	E 0
0016	05 15	÷ 15
0017	09 11	* 10^x
0018	06 15	ST 15
0019	00 01	E 1
0020	03 15	− 15
0021	08 13	* $\sqrt{x}$
0022	06 03	ST 3
0023	00 15	E 15
0024	09 03	* SP
0025	06 04	ST 4
0026	00 15	E 15
0027	09 03	* SP
0028	06 15	ST 15
0029	00 02	E 2
0030	04 15	× 15
0031	09 02	* α

Step No.	Code	Key
0032	10 00	f 0
0033	04 15	× 15
0034	06 05	ST 5
0035	00 15	E 15
0036	09 03	* SP
0037	06 02	ST 2
0038	07 03	RE 3
0039	08 12	* x^2
0040	08 15	* $1/x$
0041	06 15	ST 15
0042	00 01	E 1
0043	02 15	+ 15
0044	08 13	* $\sqrt{x}$
0045	06 15	ST 15
0046	07 03	RE 3
0047	08 15	* $1/x$
0048	02 15	+ 15
0049	08 10	* LN
0050	06 15	ST 15
0051	07 02	RE 2
0052	05 15	÷ 15
0053	08 11	* e^x
0054	06 15	ST 15
0055	08 15	* $1/x$
0056	03 15	− 15
0057	06 06	ST 6
0058	09 02	* α
0059	10 00	f 0
0060	06 15	ST 15
0061	00 02	E 2
0062	05 15	÷ 15
0063	07 02	RE 2

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TITLE: TCHEBYSHEFF LOW PASS FILTER DESIGN NO. 1067-2-EE2 Page of

Step No.	Code	Key
0064	05 15	÷ 15
0065	08 09	* RD
0066	08 06	* SN
0067	06 15	ST 15
0068	00 04	E 4
0069	04 15	× 15
0070	07 06	RE 6
0071	05 15	÷ 15
0072	06 07	ST 7
0073	07 00	RE 0
0074	08 04	* Jo
0075	08 00	* S
0076	11 04	F 4
0077	07 07	RE 7
0078	06 15	ST 15
0079	07 04	RE 4
0080	05 15	÷ 15
0081	07 05	RE 5
0082	05 15	÷ 15
0083	09 03	* SP
0084	08 00	* S
0085	11 05	F 5
0086	09 00	* M
0087	11 04	F 4
0088	07 07	RE 7
0089	06 15	ST 15
0090	07 04	RE 4
0091	04 15	× 15
0092	07 05	RE 5
0093	05 15	÷ 15
0094	09 03	* SP
0095	09 00	* M

Step No.	Code	Key
0096	11 05	F 5
0097	00 01	E 1
0098	06 08	ST 8
0099	00 01	E 1
0100	06 15	ST 15
0101	07 02	RE 2
0102	03 15	- 15
0103	09 04	* Jo
0104	08 03	* Go
0105	09 03	* SP
0106	07 00	RE 0
0107	09 04	* Jo
0108	08 00	* S
0109	10 04	f 4
0110	09 00	* M
0111	10 03	f 3
0112	11 02	F 2
0113	07 07	RE 7
0114	05 15	÷ 15
0115	06 07	ST 7
0116	07 04	RE 4
0117	05 15	÷ 15
0118	07 05	RE 5
0119	05 15	÷ 15
0120	09 03	* SP
0121	00 01	E 1
0122	02 08	+ 8
0123	06 15	ST 15
0124	07 02	RE 2
0125	03 15	- 15
0126	09 04	* Jo
0127	08 03	* Go

Remarks:

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TITLE: TCHEBYSHEFF LOW PASS FILTER DESIGN NO. 1067-2-EE2 Page of

Step No.	Code	Key
0128	09 03	* SP
0129	09 00	* M
0130	10 04	f 4
0131	11 02	F 2
0132	07 07	RE 7
0133	05 15	÷ 15
0134	06 07	ST 7
0135	07 04	RE 4
0136	04 15	× 15
0137	07 05	RE 5
0138	05 15	÷ 15
0139	09 03	* SP
0140	00 01	E 1
0141	02 08	+ 8
0142	06 15	ST 15
0143	07 02	RE 2
0144	03 15	− 15
0145	08 04	* J_0
0146	08 00	* S
0147	10 03	f 3
0148	09 03	* SP
0149	09 00	* M
0150	11 02	F 2
0151	09 02	* α
0152	10 00	f 0
0153	06 15	ST 15
0154	07 02	RE 2
0155	05 15	÷ 15
0156	06 09	ST 9
0157	08 09	* RD
0158	08 07	* CS
0159	06 14	ST 14

Step No.	Code	Key
0160	00 08	E 8
0161	04 14	× 14
0162	00 08	E 8
0163	02 14	+ 14
0164	07 08	RE 8
0165	04 15	× 15
0166	08 09	* RD
0167	08 07	* CS
0168	08 12	* x^2
0169	06 15	ST 15
0170	00 01	E 1
0171	00 06	E 6
0172	04 15	× 15
0173	03 14	− 14
0174	06 10	ST 10
0175	07 09	RE 9
0176	06 14	ST 14
0177	07 08	RE 8
0178	04 14	× 14
0179	08 09	* RD
0180	08 06	* SN
0181	08 12	* x^2
0182	06 14	ST 14
0183	00 04	E 4
0184	04 14	× 14
0185	07 06	RE 6
0186	08 12	* x^2
0187	02 14	+ 14
0188	05 10	÷ 10
0189	06 15	ST 15
0190	09 15	* RT
0191	09 03	* SP

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TITLE: TCHEBYSHEFF LOW PASS FILTER DESIGN NO. 1067-2-EE2 Page of

Step No.	Code	Key
0192	09 14	* P

Step No.	Code	Key

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TITLE: BUTTERWORTH FILTER DESIGN NO. 1068-2-EE2 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 00	ST 0
0003	00 00	E 0
0004	06 06	ST 6
0005	08 00	* S
0006	11 03	F 3
0007	09 00	* M
0008	10 01	f 1
0009	06 00	ST 0
0010	00 01	E 1
0011	06 06	ST 6
0012	09 00	* M
0013	11 03	F 3
0014	09 03	* SP
0015	06 01	ST 1
0016	09 03	* SP
0017	06 02	ST 2
0018	09 02	* α
0019	10 00	f 0
0020	06 14	ST 14
0021	04 02	× 2
0022	00 02	E 2
0023	04 02	× 2
0024	00 02	E 2
0025	05 14	÷ 14
0026	07 00	RE 0
0027	05 14	÷ 14
0028	06 03	ST 3
0029	00 01	E 1
0030	06 04	ST 4
0031	07 06	RE 6
0032	08 04	* Jo
0033	08 00	* S
0034	11 04	F 4
0035	09 00	* M
0036	11 00	F 0
0037	11 02	F 2
0038	07 01	RE 1
0039	05 14	÷ 14
0040	07 02	RE 2
0041	05 14	÷ 14
0042	09 03	* SP
0043	00 01	E 1
0044	02 04	+ 4
0045	06 14	ST 14
0046	07 00	RE 0
0047	06 15	ST 15
0048	00 01	E 1
0049	02 15	+ 15
0050	03 14	− 14
0051	09 04	* Jø
0052	08 00	* S
0053	11 01	F 1
0054	09 00	* M
0055	11 04	F 4
0056	11 02	F 2
0057	07 01	RE 1
0058	04 14	× 14
0059	07 02	RE 2
0060	05 14	÷ 14
0061	09 03	* SP
0062	00 01	E 1
0063	02 04	+ 4

Remarks:

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TITLE: BUTTERWORTH FILTER DESIGN NO. 1068-2-EE2 Page of

Step No.	Code	Key
0064	06 14	ST 14
0065	07 00	RE 0
0066	06 15	ST 15
0067	00 01	E 1
0068	02 15	+ 15
0069	03 14	− 14
0070	08 04	* Jo
0071	08 00	* S
0072	11 00	F 0
0073	09 00	* M
0074	11 01	F 1
0075	09 03	* SP
0076	09 00	* M
0077	11 02	F 2
0078	07 04	RE 4
0079	06 14	ST 14
0080	00 02	E 2
0081	04 14	× 14
0082	00 01	E 1
0083	03 14	− 14
0084	07 03	RE 3
0085	04 14	× 14
0086	08 09	* RD
0087	08 06	* SN
0088	06 14	ST 14
0089	00 02	E 2
0090	04 14	× 14
0091	09 15	* RT
0092	09 03	* SP
0093	09 00	* M
0094	10 04	f 4
0095	06 00	ST 0

Step No.	Code	Key
0096	09 03	* SP
0097	06 01	ST 1
0098	09 03	* SP
0099	06 02	ST 2
0100	00 00	E 0
0101	06 03	ST 3
0102	09 03	* SP
0103	08 00	* S
0104	11 05	F 5
0105	09 00	* M
0106	10 05	f 5
0107	06 04	ST 4
0108	00 01	E 1
0109	06 03	ST 3
0110	09 00	* M
0111	11 05	F 5
0112	07 02	RE 2
0113	06 15	ST 15
0114	07 00	RE 0
0115	05 15	÷ 15
0116	06 06	ST 6
0117	07 01	RE 1
0118	06 15	ST 15
0119	00 10	E 10
0120	00 01	E 1
0121	04 15	× 15
0122	09 11	* 10^x
0123	06 15	ST 15
0124	00 01	E 1
0125	03 15	− 15
0126	08 13	* $\sqrt{x}$
0127	09 10	* LG

Remarks:

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TITLE: BUTTERWORTH FILTER DESIGN NO. 1068-2-EE2 Page of

Step No.	Code	Key
0128	06 15	ST 15
0129	07 06	RE 6
0130	09 10	* LG
0131	05 15	÷ 15
0132	00 01	E 1
0133	02 15	+ 15
0134	09 12	* I
0135	06 07	ST 7
0136	09 03	* SP
0137	07 03	RE 3
0138	09 04	* J⊕
0139	08 03	* G⊙
0140	09 03	* SP
0141	07 04	RE 4
0142	06 15	ST 15
0143	00 10	E 10
0144	00 01	E 1
0145	04 15	× 15
0146	09 11	* 10^x
0147	06 15	ST 15
0148	00 01	E 1
0149	03 15	− 15
0150	08 13	* $\sqrt{x}$
0151	09 10	* LG
0152	06 15	ST 15
0153	07 07	RE 7
0154	05 15	÷ 15
0155	09 11	* 10^x
0156	09 03	* SP
0157	09 00	* M
0158	10 06	f 6
0159	06 01	ST 1

Step No.	Code	Key
0160	09 03	* SP
0161	06 02	ST 2
0162	07 01	RE 1
0163	09 10	* LG
0164	06 15	ST 15
0165	00 02	E 2
0166	04 15	× 15
0167	07 02	RE 2
0168	04 15	× 15
0169	09 11	* 10^x
0170	06 15	ST 15
0171	00 01	E 1
0172	02 15	+ 15
0173	08 15	* $\frac{1}{x}$
0174	09 10	* LG
0175	06 15	ST 15
0176	00 01	E 1
0177	00 00	E 0
0178	04 15	× 15
0179	00 12	E 12
0180	09 03	* SP
0181	09 14	* LP

Remarks:

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TITLE: Y - Δ AND Δ - Y TRANSFORMATION NO. 1069-2-EE1 Page of

Step No.	Code	Key
0000	09 00	* M
0001	10 00	f 0
0002	06 01	ST 1
0003	09 03	* SP
0004	06 02	ST 2
0005	09 03	* SP
0006	09 00	* M
0007	10 01	f 1
0008	06 03	ST 3
0009	09 03	* SP
0010	06 04	ST 4
0011	09 03	* SP
0012	09 00	* M
0013	10 02	f 2
0014	06 05	ST 5
0015	09 03	* SP
0016	06 06	ST 6
0017	09 03	* SP
0018	09 00	* M
0019	10 04	f 4
0020	11 00	F 0
0021	08 03	* Go
0022	08 03	* Go
0023	08 03	* Go
0024	08 03	* Go
0025	00 00	E 0
0026	06 11	ST 11
0027	06 12	ST 12
0028	07 01	RE 1
0029	06 07	ST 7
0030	07 02	RE 2
0031	06 08	ST 8
0032	07 03	RE 3
0033	06 09	ST 9
0034	07 04	RE 4
0035	06 10	ST 10
0036	11 02	F 2
0037	07 05	RE 5
0038	06 07	ST 7
0039	07 06	RE 6
0040	06 08	ST 8
0041	11 02	F 2
0042	07 01	RE 1
0043	06 09	ST 9
0044	07 02	RE 2
0045	06 10	ST 10
0046	11 02	F 2
0047	07 11	RE 11
0048	06 07	ST 7
0049	07 12	RE 12
0050	06 08	ST 8
0051	07 05	RE 5
0052	06 09	ST 9
0053	07 06	RE 6
0054	06 10	ST 10
0055	11 03	F 3
0056	07 11	RE 11
0057	08 03	* Go
0058	09 03	* SP
0059	07 12	RE 12
0060	11 01	F 1
0061	07 01	RE 1
0062	06 09	ST 9
0063	07 02	RE 2

Remarks:

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TITLE: Y - Δ AND Δ - Y TRANSFORMATION NO. 1069-2-EE1 Page of

Step No.	Code	Key
0064	06 10	ST10
0065	11 03	F 3
0066	07 11	RE11
0067	08 03	* Go
0068	09 03	* SP
0069	07 12	RE12
0070	11 01	F 1
0071	07 03	RE 3
0072	06 09	ST 9
0073	07 04	RE 4
0074	06 10	ST10
0075	11 03	F 3
0076	07 11	RE11
0077	08 03	* Go
0078	09 03	* SP
0079	07 12	RE12
0080	11 01	F 1
0081	09 03	* SP
0082	09 00	* M
0083	11 00	F 0
0084	07 01	RE 1
0085	08 03	* Go
0086	09 03	* SP
0087	07 02	RE 2
0088	11 01	F 1
0089	07 03	RE 3
0090	08 03	* Go
0091	09 03	* SP
0092	07 04	RE 4
0093	11 01	F 1
0094	07 05	RE 5
0095	08 03	* Go

Step No.	Code	Key
0096	09 03	* SP
0097	07 06	RE 6
0098	11 01	F 1
0099	09 15	* RT
0100	09 00	* M
0101	11 01	F 1
0102	08 03	* Go
0103	09 03	* SP
0104	08 03	* Go
0105	08 03	* Go
0106	09 15	* RT
0107	09 00	* M
0108	11 02	F 2
0109	07 07	RE 7
0110	06 15	ST15
0111	07 09	RE 9
0112	04 15	×15
0113	07 08	RE 8
0114	06 14	ST14
0115	07 10	RE10
0116	04 14	×14
0117	03 15	−15
0118	02 11	+11
0119	07 07	RE 7
0120	06 15	ST15
0121	07 10	RE10
0122	04 15	×15
0123	07 08	RE 8
0124	06 14	ST14
0125	07 09	RE 9
0126	04 14	×14
0127	02 15	+15

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TITLE: Y - Δ AND Δ - Y TRANSFORMATION NO. 1069-2-EE1 Page of

Step No.	Code	Key
0128	02 12	+ 12
0129	09 15	* RT
0130	09 00	* M
0131	11 03	F 3
0132	07 09	RE 9
0133	08 12	* x^2
0134	06 15	ST 15
0135	07 10	RE 10
0136	08 12	* x^2
0137	02 15	+ 15
0138	09 01	* ST
0139	01 00	T 0
0140	07 07	RE 7
0141	06 15	ST 15
0142	07 09	RE 9
0143	04 15	× 15
0144	07 08	RE 8
0145	06 14	ST 14
0146	07 10	RE 10
0147	04 14	× 14
0148	02 15	+ 15
0149	08 01	* RE
0150	01 00	T 0
0151	05 15	÷ 15
0152	06 11	ST 11
0153	07 08	RE 8
0154	06 15	ST 15
0155	07 09	RE 9
0156	04 15	× 15
0157	07 07	RE 7
0158	06 14	ST 14
0159	07 10	RE 10

Step No.	Code	Key
0160	04 14	× 14
0161	03 15	− 15
0162	08 01	* RE
0163	01 00	T 0
0164	05 15	÷ 15
0165	06 12	ST 12
0166	09 15	* RT
0167	09 00	* M
0168	10 05	f 5
0169	11 00	F 0
0170	07 01	RE 1
0171	06 15	ST 15
0172	07 03	RE 3
0173	02 15	+ 15
0174	07 05	RE 5
0175	02 15	+ 15
0176	06 00	ST 0
0177	07 02	RE 2
0178	06 15	ST 15
0179	07 04	RE 4
0180	02 15	+ 15
0181	07 06	RE 6
0182	02 15	+ 15
0183	06 13	ST 13
0184	11 04	F 4
0185	07 01	RE 1
0186	06 07	ST 7
0187	07 02	RE 2
0188	06 08	ST 8
0189	07 05	RE 5
0190	06 09	ST 9
0191	07 06	RE 6

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TITLE: Y - Δ AND Δ - Y TRANSFORMATION NO. 1069-2-EE1 Page of

Step No.	Code	Key
0192	06 10	ST 10
0193	11 02	F 2
0194	11 05	F 5
0195	07 11	RE 11
0196	08 03	* Go
0197	09 03	* SP
0198	07 12	RE 12
0199	11 01	F 1
0200	11 04	F 4
0201	07 01	RE 1
0202	06 07	ST 7
0203	07 02	RE 2
0204	06 08	ST 8
0205	07 03	RE 3
0206	06 09	ST 9
0207	07 04	RE 4
0208	06 10	ST 10
0209	11 02	F 2
0210	11 05	F 5
0211	07 11	RE 11
0212	08 03	* Go
0213	09 03	* SP
0214	07 12	RE 12
0215	11 01	F 1
0216	11 04	F 4
0217	07 05	RE 5
0218	06 07	ST 7
0219	07 06	RE 6
0220	06 08	ST 8
0221	07 03	RE 3
0222	06 09	ST 9
0223	07 04	RE 4

Step No.	Code	Key
0224	06 10	ST 10
0225	11 02	F 2
0226	11 05	F 5
0227	07 11	RE 11
0228	08 03	* Go
0229	09 03	* SP
0230	07 12	RE 12
0231	11 01	F 1
0232	09 03	* SP
0233	09 00	* M
0234	11 04	F 4
0235	00 00	E 0
0236	06 11	ST 11
0237	06 12	ST 12
0238	09 15	* RT
0239	09 00	* M
0240	11 05	F 5
0241	07 11	RE 11
0242	06 07	ST 7
0243	07 12	RE 12
0244	06 08	ST 8
0245	07 00	RE 0
0246	06 09	ST 9
0247	07 13	RE 13
0248	06 10	ST 10
0249	11 03	F 3
0250	09 15	* RT
0251	09 14	* EP

Remarks:

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TITLE: FOUR GEAR TRAIN NO. 1038-2-ME1 Page of

Step No.	Code	Key
0064	02 02	+2
0065	09 02	* α
0066	08 05	* J+
0067	08 00	* S
0068	00 03	E 3
0069	09 00	* M
0070	00 04	E 4
0071	08 01	* E
0072	01 05	T 5
0073	06 00	ST 0
0074	07 02	RC 2
0075	04 00	×0
0076	07 01	RE 1
0077	05 00	÷0
0078	06 13	ST B
0079	07 09	RC 9
0080	14 00	C 0
0081	05 00	÷0
0082	07 11	RE B
0083	09 02	* α
0084	08 05	* J+
0085	06 00	ST 0
0086	08 03	* J0
0087	07 00	RE 0
0088	06 04	ST 4
0089	08 01	* E
0090	01 03	T 3
0091	06 00	ST 0
0092	00 01	E 1
0093	02 13	+B
0094	05 00	÷0
0095	07 04	RE 4

Step No.	Code	Key
0096	09 02	* α
0097	08 05	* J+
0098	06 00	ST 0
0099	08 03	* J0
0100	07 00	RE 0
0101	09 12	* I
0102	14 00	C 0
0103	09 02	* α
0104	08 04	* J0
0105	00 01	E 1
0106	02 00	+0
0107	06 04	ST 4
0108	08 01	* E
0109	01 04	T 4
0110	06 00	ST 0
0111	07 13	RE B
0112	05 00	÷0
0113	07 12	RE A
0114	09 02	* α
0115	08 05	* J+
0116	07 00	RE 0
0117	08 03	* J0
0118	09 01	* SI
0119	01 00	T 0
0120	07 10	RE A
0121	06 00	ST 0
0122	00 01	E 1
0123	03 13	−B
0124	05 00	÷0
0125	08 01	* E
0126	01 00	T 0
0127	09 02	* α

Remarks:

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TITLE: FOUR GEAR TRAIN

NO. 1038-2-ME1 Page of

Step No.	Code	Key
0128	08 05	* J+
0129	07 00	NE0
0130	08 03	* J0
0131	09 12	* I
0132	09 01	* ST
0133	01 00	T0
0134	08 00	* S
0135	00 00	E0
0136	09 00	* M
0137	00 03	E3
0138	00 01	E1
0139	02 01	+1
0140	09 00	* M
0141	00 05	E5
0142	07 06	NE6
0143	06 00	ST0
0144	07 01	NE1
0145	09 02	* α
0146	08 05	* J+
0147	00 15	E15
0148	09 03	* SF
0149	08 01	* E
0150	01 01	T1
0151	06 00	ST0
0152	07 01	NE1
0153	03 00	-0
0154	07 07	NE7
0155	09 02	* α
0156	08 05	* J+
0157	06 00	ST0
0158	08 03	* J0
0159	07 00	NE0

Step No.	Code	Key
0160	09 12	* I
0161	14 00	C0
0162	09 02	* α
0163	08 04	* J0
0164	00 01	E1
0165	02 00	+0
0166	06 02	ST2
0167	08 01	* E
0168	01 02	T2
0169	06 00	ST0
0170	07 01	NE1
0171	03 00	-0
0172	07 08	NE8
0173	09 02	* α
0174	08 05	* J+
0175	07 00	NE0
0176	08 03	* J0
0177	09 12	* I
0178	06 14	ST14
0179	06 00	ST0
0180	07 02	NE2
0181	09 02	* α
0182	08 05	* J+
0183	08 00	* S
0184	00 03	E3
0185	08 00	* S
0186	00 04	E4
0187	09 00	* M
0188	10 00	f0
0189	07 05	NE5
0190	06 01	ST1
0191	08 00	* S

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Step No.	Code	Key
0192	00 05	E 5
0193	09 00	* M
0194	10 01	f 1
0195	06 06	ST 6
0196	00 15	E 15
0197	09 03	* SP
0198	06 05	ST 5
0199	09 15	* RT
0200	09 00	* M
0201	10 02	f 2
0202	06 08	ST 8
0203	00 15	E 15
0204	09 03	* SP
0205	06 07	ST 7
0206	09 15	* RT
0207	09 00	* M
0208	10 03	f 3
0209	06 10	ST 10
0210	00 15	E 15
0211	09 03	* SP
0212	06 09	ST 9
0213	09 15	* RT
0214	09 00	* M
0215	10 04	f 4
0216	06 12	ST 12
0217	00 15	E 15
0218	09 03	* SP
0219	06 11	ST 11
0220	09 15	* RT
0221	09 00	* M
0222	10 05	f 5
0223	09 01	* ST
0224	01 02	T 2
0225	00 15	E 15
0226	09 03	* SP
0227	09 01	* ST
0228	01 01	T 1
0229	09 15	* RT
0230	09 00	* M
0231	10 06	f 6
0232	09 01	* ST
0233	01 04	T 4
0234	00 15	E 15
0235	09 03	* SP
0236	09 01	* ST
0237	01 03	T 3
0238	09 15	* RT
0239	09 00	* M
0240	10 08	f 8
0241	06 00	ST 0
0242	09 01	* ST
0243	01 05	T 5
0244	00 15	E 15
0245	09 03	* SP
0246	04 00	x 0
0247	06 15	ST 15
0248	09 15	* RT
0249	09 00	* M
0250	10 07	f 7
0251	09 01	* ST
0252	01 05	T 5
0253	00 15	E 15
0254	09 03	* SP
0255	06 15	ST 15

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Step No.	Code	Key
0256	09 15	* RT
0257	09 00	* M
0258	10 09	f 9
0259	07 01	RE 1
0260	06 00	ST 0
0261	07 02	RE 2
0262	05 00	÷ 0
0263	07 03	RE 3
0264	04 00	× 0
0265	07 04	RE 4
0266	05 00	÷ 0
0267	09 03	* MP
0268	08 01	* RE
0269	01 05	T 5
0270	03 00	− 0
0271	09 15	* RT
0272	09 14	* EP

Step No.	Code	Key

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