



Educational Users Group Program Library

Volume IV Stanford Graduate School of Business
Program Library Handbook

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.



EDUCATIONAL USERS GROUP PROGRAM LIBRARY

VOLUME II

HUNTINGTON COMPUTER PROJECT

The Hewlett-Packard Company makes no warranty, expressed or implied, and assumes no responsibility in connection with the operation of the contributed program material attached hereto.

Permission to publish this material which is covered by the copyright noted below does not imply endorsement by the copyright owner or the National Science Foundation of the goods or services furnished by Hewlett-Packard.

© Copyright 1971, Polytechnic Institute of Brooklyn

HEWLETT-PACKARD, SOFTWARE CENTER, 11000 Wolfe Road, Cupertino, California 95014 Area Code 408 257-7000 TWX 910-338-0221

5951-3041	2/72	Handbook
36400-90002	6/72	Addenda
36400-90003	10/72	Addenda
36400-90004	2/73	Addenda
36000-90673	6/73	Addenda

Printed in U.S.A.

CLASSIFICATION CODE CATEGORY

(Not all categories have programs. Please refer to
Classification Code Listing for available programs in HP BASIC)

100 DATA HANDLING

101 EDITING
102 INFORMATION STORAGE AND RETRIEVAL
103 TABLE HANDLING
104 CHARACTER/SYMBOL MANIPULATION
105 CODE/RADIX CONVERSION
106 DUPLICATION
107 SORTING AND MERGING
108 DATA HANDLING UTILITIES
109 MEDIA CONVERSION
110 FILE MANAGEMENT
112 SPECIAL FORMAT DATA TRANSFER

200 TESTING, DEBUGGING AND PROGRAMMING AIDS

201 TRACING
202 INSTRUMENT TEST
203 DISC/DRUM EQUIPMENT TEST
204 MAGNETIC TAPE EQUIPMENT TEST
205 GRAPHIC EQUIPMENT TEST
206 MEMORY SEARCH AND DISPLAY
207 DUMPING
208 CORE STORAGE TEST
209 CENTRAL PROCESSING UNIT TEST
210 BREAK POINTS
211 DEBUGGING AIDS
212 PROGRAMMING AIDS
213 PAPER TAPE EQUIPMENT TEST
214 PUNCH CARD EQUIPMENT TEST
215 PRINTER EQUIPMENT TEST
216 A/D - D/A EQUIPMENT TEST
217 TELECOMMUNICATIONS EQUIPMENT TEST
218 SPECIAL DEVICE EQUIPMENT TEST
219 DATA ACQUISITION SYSTEMS TEST

300 MATH AND NUMERICAL ANALYSIS

301 MATHEMATICS, GENERAL
302 EXTENDED-PRECISION ARITHMETIC
303 COMPLEX ARITHMETIC
304 BCD/ASCII ARITHMETIC
305 BOOLEAN ALGEBRA
306 FUNCTIONS, COMPUTATION OF
307 INTERPOLATION/EXTRAPOLATION
309 CURVE FITTING
310 NUMERICAL INTEGRATION
311 POLYNOMIALS AND POLYNOMIAL EQUATIONS
312 MATRIX OPERATIONS
313 EIGENVALUES AND EIGENVECTORS
314 SYSTEMS OF LINEAR EQUATIONS
315 SYSTEMS OF NON-LINEAR EQUATIONS
316 INTEGRAL TRANSFORMS
317 NUMERICAL DIFFERENTIATION
318 ORDINARY DIFFERENTIAL EQUATIONS
319 PARTIAL DIFFERENTIAL EQUATIONS

400 PROBABILITY AND STATISTICS

401 UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS
402 TIME SERIES ANALYSIS
403 DISCRIMINANT ANALYSIS
404 REGRESSION ANALYSIS
405 RANDOM NUMBER GENERATORS
406 PROBABILITY DISTRIBUTION SAMPLING
407 NON-PARAMETRIC STATISTICS
408 STATISTICS, GENERAL
409 CORRELATION ANALYSIS
410 ANALYSIS OF VARIANCE AND COVARIANCE
411 FACTOR ANALYSIS
412 SCALING
413 GENERAL PROBABILITY

500 SCIENTIFIC AND ENGINEERING APPLICATIONS

501 SOCIAL AND BEHAVIORAL SCIENCES
502 GEOPHYSICS
503 GEOLOGY
504 OCEANOGRAPHY

505 PHYSICS
506 MEDICAL SCIENCES
507 CHEMISTRY
508 BIOLOGY
509 ASTRONOMY AND CELESTIAL NAVIGATION
510 PETROLEUM ENGINEERING
511 HYDRAULIC ENGINEERING
512 NUCLEAR ENGINEERING
513 ELECTRICAL ENGINEERING
514 MECHANICAL ENGINEERING
515 CIVIL ENGINEERING
516 CHEMICAL ENGINEERING
517 AERONAUTICAL ENGINEERING
518 STRUCTURAL ENGINEERING
519 SYSTEM THEORY

600 MANAGEMENT SCIENCES AND OPERATIONS RESEARCH

602 PERT
603 CRITICAL PATH ANALYSIS
604 OPTIMIZATION PROGRAMS
605 LINEAR PROGRAMMING
606 DISCRETE SYSTEMS SIMULATION
607 CONTINUOUS SYSTEMS SIMULATION
608 FORECASTING TECHNIQUES
610 DYNAMIC PROGRAMMING

700 BUSINESS AND MANUFACTURING APPLICATIONS

701 JOB REPORTING
702 QUALITY ASSURANCE PERFORMANCE ANALYSIS
703 QUALITY ASSURANCE TESTING
704 NUMERICAL CONTROL
705 BILL OF MATERIALS
706 PAYROLL ACCOUNTING
707 WORK-IN-PROCESS CONTROL
708 INVENTORY ANALYSIS
709 ACCOUNTS PAYABLE
710 SALES FORECASTING
711 ACCOUNTS RECEIVABLE
712 FINANCIAL ANALYSIS
713 INVESTMENT ANALYSIS
714 ECONOMIC ANALYSIS
716 BUDGETING PROGRAMS
717 BUSINESS INFORMATION SYSTEMS
718 BUSINESS SERVICES
720 EDUCATIONAL ADMINISTRATION

800 EDUCATION

801 MATHEMATICS (EDUCATION)
810 PROGRAMMING AND COMPUTER SCIENCE (EDUCATION)
820 ENGINEERING (EDUCATION)
830 ECONOMICS (EDUCATION)
833 SCIENCE (EDUCATION)
850 FINE ARTS (EDUCATION)
860 SOCIAL SCIENCE (EDUCATION)
863 HISTORY (EDUCATION)
870 ENGLISH (EDUCATION)
871 FOREIGN LANGUAGES (EDUCATION)
872 READING (EDUCATION)
880 BUSINESS (EDUCATION)
890 VOCATIONAL (EDUCATION)

900 UNCLASSIFIED

901 DEMONSTRATIONS
903 GAMES
904 PLOTTING ROUTINES
905 MICROCODE

INTRODUCTION

What is Hewlett-Packard?

From a two-man beginning some thirty years ago, Hewlett-Packard has developed into a major designer and manufacturer of electronics for measurement, analysis, and computation. HP customers in science, industry, medicine, and education know and appreciate Hewlett-Packard's reputation for technical excellence, quality, and reliability.

Over 100 world-wide offices sell and service the products of sixteen manufacturing facilities located in the United States, Europe, and the Far East. Specialized customer support (such as training, systems analysis and equipment rental) is available at domestic regional Data Centers in New Jersey, Georgia, Illinois, and California and international data centers in Italy, England, Germany, France, Canada, and Australia.

What is the HP BASIC Library?

One important facet of customer support is the collection and distribution of contributed software, from and for HP computer users. The HP BASIC Library contains contributed programs covering a variety of subjects, all written in the HP BASIC language. You can use these programs directly or as a starting point for developing your own special-purpose software. Many of the programs run on a "single terminal" BASIC system; however, some use sophisticated features available only to time-share system users.

How is the HP BASIC Library Organized?

Hewlett-Packard has categorized all programs within the following major areas of user interest:

- 1 – DATA HANDLING
- 2 – TESTING, DEBUGGING AND PROGRAMMING AIDS
- 3 – MATH AND NUMERICAL ANALYSIS
- 4 – PROBABILITY AND STATISTICS
- 5 – SCIENTIFIC AND ENGINEERING APPLICATIONS
- 6 – MANAGEMENT SCIENCES AND OPERATIONS RESEARCH
- 7 – BUSINESS AND MANUFACTURING APPLICATIONS
- 8 – EDUCATION
- 9 – UNCLASSIFIED

The four indices appearing at the beginning of the Handbook contain all BASIC programs available through the HP BASIC Program Library. Four separate handbooks are now available. The indices indicate in which of the four volumes the programs appear.

T = HP BASIC
E = EDUCATION
H = HUNTINGTON
S = STANFORD

The programs which appear in this Handbook are designated in the indices by a "S" indicating general programs in HP BASIC.

Program indices are by:

- Classification Code (In the Handbooks, programs are sequenced by classification code)
- Cross-reference Index
- Program Name (In alphabetical order)
- Order Number

Who Prepares These Programs?

The programs in this volume were gathered from the Stanford Graduate School of Business which uses Hewlett-Packard systems. It is only fair to give special recognition to Stanford University and Professor William Sharpe of that institution for donating their entire public library on an on-going basis to the HP BASIC Users Library, making this volume possible.

Hewlett-Packard supported programs written in HP BASIC are now listed in the Educational Users Group Handbook, Volume III, Applications Programs, and the HP BASIC Handbook or general programs. They are distinguished by a stripe. Contributed programs in HP BASIC which have been submitted by users of HP computer systems throughout the world are listed in the HP BASIC Handbook, The Educational Users Group Handbooks, including the Stanford Graduate School of Business Handbook. The Educational Handbooks contain programs which are oriented for instructional purposes.

Contributions to our library are from many disciplines and various applications. HP personnel at the Software Center run and check the documentation for each program, but because it is impractical to test these programs under all possible conditions, Hewlett-Packard cannot assume responsibility for errors. Therefore, please report any errors you might find to the Software Center for forwarding to the program contributors.

How Can I Make Use of These Programs?

This handbook contains operating instructions, a sample RUN and Listings for each program. If the time-share system your terminal accesses has these programs in its system library, you merely GET the program preceding the name by a "\$." Otherwise, you may enter the

program from your terminal by duplicating the information in the listing.

The system on which the program was tested by Software Center personnel is listed under "Systems Specifications" in the Handbooks, and it is indicated in the Indices as the leading alpha of the classification code. Its versatility to RUN on other time-sharing systems can be determined from its program features. The following chart was designed to be used in conjunction with the program listings from the BASIC Handbooks.

Program Features	2000A	2000B	2000C	2000E	2000C High-Speed 2000F
Maximum Program Size	5100 Words	5100 Words	10000 Words	4180 Words	10000 Words
Maximum Number of Files	8	8	16	4	16
Maximum Number of Records/File	128	128	32767	48	32767
Maximum Number of Words/Record	64	64	256	128	256
Programmable Functions:					
TIME		X	X	X	X
ENTER		X	X		X
COMMON		X	X	X	X
CHAIN		Chain-Name X	Chain-Name, Statement No. X	Chain-Name X	Chain-Name, Statement No. X
PRINT USING (IMAGE)			X		X
BRK					X
ASSIGN			X		X
RESTARTABLE RND			X	X	X
SPACE			X		X
LINE			X		X

How Can I Order These Programs?

Contact your local HP sales office to order any of the material from the library, (except HP subscriptions).

To order magnetic tapes of all contributed BASIC software, contact your local HP sales office and ask for:

HP Part No. 02000-90029 2000C Mag Tape \$25.00
 HP Part No. 02000-90060 2000C/F Mag Tape 25.00
 HP Part No. 02000-90059 2000E Disc Cartridge 150.00*

* Price includes disc. If you return your user cartridge with your order, the price is \$25.

Individual Programs On Paper Tape and Handbooks

Programs include punched paper tape and documented user procedures. Price, \$10 per program or otherwise noted on program documentation to cover the cost of reproduction and handling. **Licensed HP-supported programs are available only with the purchase of an HP time-share system.**

Note: The June 1973 Addenda to the HP BASIC Library Handbooks is a single package, including both the HP BASIC Handbook Addenda and the Educational Users Group Addenda. The order number assigned to this addenda (HP 36000-90673) reflects the issue date in the last 3 digits.

To order individual Handbooks from your local sales office, use the following:

Title	Date	Part Order No.	Price
HP BASIC Program Library Handbook	June '72	36000-90001	\$10
HP BASIC Program Library Handbook Addenda	Oct. '72	36000-90002	\$ 3
HP BASIC Program Library Handbook Addenda	Feb. '73	36000-90003	\$ 3
Educational Users Group Program Library—Vol. II			
Huntington Computer Project	Feb. '72	5951-3041	\$ 5
Educational Users Group Program Library—Vol. III			
Application Programs	Feb. '72	5951-3042	\$ 5
Educational Users Group Program Library—Vol. IV			
Stanford Graduate School of Business Handbook	Oct. '72	36500-90001	\$ 5
Educational Users Group Program Library—Addenda	June '72	36400-90002	\$ 3
Educational User Group Program Library—Addenda	Oct. '72	36400-90003	\$ 3
Educational Users Group Program Library—Addenda	Feb. '73	36400-90004	\$ 3
HP BASIC & Educational Users Group Program Library Addenda	June '73	36000-90673	\$ 6

Note: Educational Users Group Program Library Volume I, Guide to Educational Support (HP 5951-3040) is obsolete and has been discontinued.

OTHER LIBRARY PUBLICATIONS

The following is a list of documentation not included in the Library Handbooks. They should be ordered to fully document the programs referenced.

Title	Date	Order No.	Price
FINDIT Users Manual	Feb. '73	36250A, Option D00	\$ 5
TIDE Text Editor	Oct. '71	36200 Option D00	\$ 5
CTC1 Documentation	Feb. '73	36210B	\$ 5
CTC2 Documentation	Feb. '73	36211B	\$ 5
CTC3 Documentation	June '73	36212B	\$ 5
CTC4 Documentation	June '73	36213B	\$ 5
CTC5 Documentation	Feb. '73	36214B	\$ 5
CTC6 Documentation	June '73	36638A	\$ 5

How to Update These Volumes?

This handbook was produced, three-hole punched, and stapled so that users can unbind them and keep them in a loose-leaf notebook.

A 2" capacity binder is available from Hewlett-Packard. Order HP Part No. 9282-0069 (to match your other HP System manuals.)

Updates will be issued once every four months. The updates will contain revisions and additional programs. The updates should be merged with the original to produce single volumes.

HP BASIC SUBSCRIPTION SERVICES

(available only to users in the North American countries)

PAPER TAPE SUBSCRIPTIONS

To subscribe, mail Hewlett-Packard a check for \$250 (plus applicable state and local taxes). When we receive a paper tape subscription, we send the subscriber a booklet containing 50 coupons. Discounted punched paper tapes may then be procured via coupon or coupons as follows: (Check the documentation—if no price appears, the program is \$10.)

NORMAL PROGRAM PRICE	COUPONS REQUIRED
\$10 to \$40	1
50 to 90	2
100 to 140	3
150 to 190	4
200 to 240	5

MAGNETIC TAPE SUBSCRIPTIONS

A "two-year" magnetic tape subscription service of contributed BASIC programs is available to 2000C System owners for \$100 (plus applicable state and local taxes). When we receive a magnetic tape subscription, we send the subscriber a current magnetic tape plus a coupon book for five additional magnetic tapes (released periodically). The coupon book consists of five self-addressed prepaid mailing cards. The subscriber simply mails a card each time a new addendum is released. Each new index announces a new addendum.

HP BASIC HANDBOOK SUBSCRIPTIONS

A "two-year" handbook subscription service for a choice of any three of the handbooks is available to HP users for \$25 (plus applicable state and local taxes). When we receive a handbook subscription, we send the subscriber the current set of the three volumes he has requested, plus a coupon book to handle future addenda when they are announced in the Index. The user will receive addenda released between June 1972 and June 1974.

To order any of the above subscriptions, make your check payable to Hewlett-Packard Company and mail to:

Hewlett-Packard Company
Software Distribution
11000 Wolfe Road
Cupertino, California 95014

When Will New Programs be Added?

New programs are continually added to the library. A new "INDEX TO HP BASIC PROGRAM LIBRARY" is published every February, June, and October. The Index announces the release of new addenda, lists all the programs to date in the BASIC Library (by cross reference words); and flags new, revised, and HP-supported programs. Using the Index (5952-4639) you can learn about new additions, contribute your own programs and report any software bugs. Copies of the Index are complimentary and may be obtained from your local HP Sales and Service office.

How Do I Interpret the Listings?

The ASCII characters "Control N" and "Control O" when used in a PRINT statement, generate linefeed and carriage return on the TTY terminal during a RUN. During a LIST these characters are not printed by a TTY. On HP 2778 and the HP 2610 line printer listing, these characters are printed as "N" and "O" respectively. Listings in some Handbooks were prepared on these line printers.

What Related Information is Available?

There are a number of manuals and documents relating to HP 2000 series Time-Sharing Systems that may be of value to users of the Handbook. These include:

Language Manuals:

2000C: A GUIDE TO TIME-SHARED BASIC (02000-90016) – June, 1972
A GUIDE TO HP EDUCATIONAL BASIC (02116-91773) – September, 1971
HP BASIC (02116-9077) – April, 1970
2000A: A GUIDE TO TIME-SHARED BASIC (02000-90002) – August, 1970
2000F: A GUIDE TO TIME-SHARED BASIC (02000-90044) – August, 1972

Operating System Manuals:

2000C: TIME-SHARED BASIC OPERATOR'S GUIDE (02000-900017) – June, 1972
2000B TO 2000C CONVERSION PROGRAM GUIDE (02000-90031) – April, 1971
2000F: TIME-SHARED BASIC SYSTEM OPERATOR'S GUIDE (02000-90045) – August, 1972
2000A: TIME-SHARED BASIC SYSTEM OPERATOR'S GUIDE (02000-90001) – September, 1970
2000A TO 2000B CONVERSION GUIDE (02000-90011) – August, 1970

Educational Applications Manuals:

2000C/2000F SYSTEM OPERATOR INSTRUCTIONS FOR EDUCATIONAL APPLICATION (02000-90046) – December, 1972

2000C/2000F INSTRUCTIONAL MANAGEMENT FACILITY AND INSTRUCTIONAL DIALOGUE FACILITY—PROCTORS MANUAL (02000-90047) – December, 1972

2000C/2000F MATHEMATICS DRILL AND PRACTICE PROGRAM—PROCTORS MANUAL (02000-90051) – December, 1972

2000C/2000F INSTRUCTIONAL DIALOGUE FACILITY—AUTHORS MANUAL (02000-90055) – January, 1973

2000C/2000F MATHEMATICS DRILL AND PRACTICE PROGRAM—TEACHERS HANDBOOK (02000-90052) – December, 1972

COPYFL (02000-90032) – September, 1971

EDCALC (02000-90033) – September, 1971

INITIALIZATION (02000-90034) – September, 1971

INTEGER TO STRING (02000-90035) – September, 1971

DATE AND TIME (02000-90036) – September, 1971

2000C/2000F INTRODUCTION TO MATHEMATICS DRILL AND PRACTICE (02000-90050) – August, 1972

2000C/2000F MATHEMATICS DRILL AND PRACTICE CURRICULUM GUIDE (02000-90053) – August, 1972

COURSE DEVELOPERS' MANUAL FOR IDF-1 AND IMF-1 (02000-90061) – February, 1973

UPSHIFT (02000-90037) – September, 1971

CHARACTER REMOVAL (02000-90038) – September, 1971

KEY WORD SEARCH (02000-90039) – September, 1971

DOWNSHIFT (02000-90040) – September, 1971

STRING MATCH WITH "DON'T CARES" (02000-90041) – September, 1971

STRING TO NUMBER (02000-90042) – September, 1971

STUDENT RESPONSE ANALYSIS (02000-90043) – September, 1971

The preceding publications are available at nominal cost through your local HP sales office.

In addition, both 35mm slides and video tape instructional courses on programming in the BASIC language have been prepared. Again, contact the nearest HP sales office for more information.

The HP Program Catalog lists abstracts for over 700 programs written in FORTRAN, ALGOL, and HP Assembly Language suitable for various configurations of non BASIC language Systems. This catalog is available at no charge from your local HP sales and support office. 5950-9226

An active educational group for BASIC language computer users also invites inquiries. For more information on this activity, contact the Executive Secretary; Educational Users' Group, Hewlett-Packard Company; 11000 Wolfe Road, Cupertino, California 95014.

CLASSIFICATION CODE LISTING

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

Volume	System	Classification	Code	Order	Name	Title	Volume	System	Classification	Code	Order	Name	Title
T	(A101)	36003A	MACRO	:	A TEXT AND FILE PROCESSING SYSTEM		S	(C405)	36551A	GWBULL	:	SUBJECTIVE PROBABILITY - RANOOM VALUES	
T	(C101)	36200B	TIDE	:	TEXT EDITOR FOR THE 2000C		T	(A406)	36041A	BINOPO	:	PROBABILITY DISTRIBUTION COMPARISONS	
T	(A101)	36204A	TIDEX	:	SYMBOLIC FILE EDITOR		S	(C406)	36549A	GTASPO	:	SUBJECTIVE PROBABILITY DISTRIBUTION	
T	(A102)	36004A	SLSMN	:	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM		T	(A407)	36042A	CHISO	:	COMPUTES PROBABILITY OF CHI-SQUARE VALUES	
T	(A102)	36231A	ADRES	:	ADDRESS LABELS		T	(A407)	36043B	CHISQS	:	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	
T	(C102)	36250B	FINOIT	:	INFORMATION RETRIEVAL SYSTEM		T	(A407)	36052A	STAT2	:	MANN-WHITNEY 2 SAMPLE RANK TEST	
T	(F102)	36284A	MESSAG	:	INTERTERMINAL COMMUNICATOR		T	(A407)	36053A	STAT3	:	SPEARMAN RANK CORRELATION COEFFICIENTS	
T	(A104)	36005B	FORMAT	:	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT		T	(F407)	36606A	FISHER	:	FISHER'S EXACT PROBABILITY TEST	
T	(B104)	36117A	OATES	:	COMPUTES DATE FROM SYSTEM CLOCK		T	(A408)	36001A	LOGRAM	:	LOG-ON TAPE ANALYZER	
T	(B104)	36125B	HELLO	:	TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL		T	(A408)	36045A	GEOMEN	:	STATISTICS OF GEOMETRIC DISTRIBUTION	
T	(A104)	36176A	STGINT	:	STRING-INTEGER CONVERSIONS		T	(A408)	36055B	HISTOG	:	A HISTOGRAM FORMER FROM A SET OF NUMBERS	
T	(C104)	36220A	CHARS	:	ASCII CHARACTER SET		T	(A408)	36120A	FC	:	ANALYSIS OF LOG TAPE	
T	(C104)	36256B	ASCII*	:	CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS		T	(A408)	36136A	SCORES	:	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	
T	(C104)	36257A	-ASCII	:	ASCII CODE GENERATOR		T	(A408)	36137A	KR20	:	ITEM ANALYSIS AND KUOER-RICHARDSON FORMULA 20 RELIABILITY	
T	(A104)	36258A	KEYSIG	:	GIVES MAJOR SCALES		T	(A408)	36191B	FRQ	:	FREQUENCY BETWEEN BOUNORIES	
T	(A104)	36259A	MUSICS	:	FINOS DOMINANT SEVENTHS		S	(C408)	36541A	GRANK	:	RANKING STATISTICS	
T	(F104)	36296A	ALFTOV	:	ALPHA TO VARIABLE CONVERSION		T	(A410)	36039B	ANVAR1	:	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	
T	(F104)	36297A	TIMER	:	TIME OF THE DAY		T	(A410)	36040B	ANVAR2	:	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	
T	(F104)	36298A	DATER	:	DATE AND OAY OF THE WEEK		T	(A410)	36172A	ANVAR3	:	ANALYSIS OF VARIANCE FOR TWO VARIABLES OF CLASSIFICATION DESIGN	
T	(C104)	36548A	GTAPIO	:	PAPER TAPE TITLER		T	(A410)	36173A	ANVAR4	:	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	
T	(C107)	36122A	SORT	:	FILE SERIAL STRING SORT		T	(F410)	36271A	ANOVA3	:	THREE FACTORIAL ANALYSIS OF VARIANCE	
T	(C107)	36145A	STGSR	:	SORTS STRINGS FROM FILES		T	(A410)	36294A	ANCOV	:	ANALYSIS OF COVARIANCE	
T	(A107)	36206A	FILSOR	:	FILE POINTER SORT/POINTER SORT		S	(C410)	36501A	GANOVA	:	ANALYSIS OF VARIANCE (2-WAY)	
T	(A107)	36206A	POISOR	:	FILE POINTER SORT/POINTER SORT		T	(F410)	36607A	STAT19	:	KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	
T	(C107)	36232A	IRV	:	FILE SORT ROUTINE		T	(S509)	36180A	SUNSET	:	SUNRISE-SUNSET PREDICTOR	
T	(A107)	36292A	ALPHA	:	ALPHANUMERIC SORT		T	(A511)	36061A	LOVALV	:	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	
T	(A108)	36197A	JULIAN	:	JULIAN CALENDAR FOR THE CURRENT YEAR		T	(A513)	36056A	ANALD	:	CIRCUIT ANALYSIS	
T	(A108)	36218A	HPMLUT	:	LIST/DUMP HP ASSEMBLER FILES		T	(A513)	36057A	ACNODE	:	AC CIRCUIT ANALYSIS PROGRAM	
T	(A108)	36218A	HPMLIT	:	LIST/DUMP HP ASSEMBLER FILES		T	(A513)	36060A	LPFLTR	:	DESIGNS LOW-PASS FILTERS	
T	(A108)	36222A	TALK	:	TIME SHARING SYSTEM COMMUNICATION		T	(A513)	36062A	MIXSPR	:	MICROWAVE PARAMETERS CONVERSION	
T	(F108)	36248A	NEWSIO	:	CREATES NEW USER NUMBERS		T	(A513)	36064A	MIXSPR	:	MIXER SPUIOUS RESPONSE PROGRAM	
T	(C108)	36272A	FILIS	:	FILE LISTING PROGRAM/INSTRUCTIONS		T	(F513)	36293A	ACTFIL	:	ACTIVE FILTER DESIGN	
T	(C108)	36272A	FILISI	:	FILE LISTING PROGRAM/INSTRUCTIONS		T	(A514)	36058A	HTFER	:	TWO DIMENSIONAL HEAT TRANSFER	
T	(F108)	36279A	JULI	:	ONE PAGE JULIAN CALENDAR		T	(A515)	36109A	METRIC	:	CONVERTS ENGLISH TO METRIC	
T	(F108)	36288A	CALNDR	:	PRINTS A CALENDAR		T	(A516)	36059A	REMOES	:	RECOMMENOS CORRECT STEEL BEAM USE	
T	(A110)	36006A	FILMAN	:	FILE MANAGER		T	(A519)	36063A	DEBYE	:	COMPUTES DEBYE OR EINSTEIN FUNCTION	
T	(A110)	36007A	FILIN	:	KEYBOARD FILE LOADING PROGRAM		T	(A603)	36171B	TMFCEV	:	TIME FUNCTION EVALUATOR	
T	(A110)	36008C	FILDUM	:	PAPER TAPE FILE DUMP		S	(C603)	36504A	CPATH	:	CRITICAL PATH EVALUATION	
T	(A110)	36009C	FILIST	:	LISTS FILE CONTENTS BY RECORD NUMBER		S	(C603)	36505A	GCPATH	:	CRITICAL PATH ANALYSIS	
T	(A110)	36010C	FILOAD	:	LOADS A FILE FROM THE TELETYPE		S	(C603)	36505A	GCPM1	:	CRITICAL PATH ANALYSIS	
T	(A110)	36011A	FILREA	:	REENTERS THE DATA TAPE DUMPEO BY FILDUM		S	(C604)	36529A	GNETFL	:	NETWORK FLOW	
T	(A110)	36012B	FILCOY	:	COPIES ONE FILE INTO ANOTHER		T	(A605)	36068B	LINPRO	:	LINEAR PROGRAMMING MODEL	
T	(B110)	36221A	XTRACT	:	FILE UTILITY PROGRAM		T	(A605)	36230A	TRANSP	:	TRANSPORTATION PROBLEM	
T	(B110)	36221A	TAPOUM	:	FILE UTILITY PROGRAM		S	(C605)	36512A	GINTLP	:	LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	
T	(F110)	36247A	FILRPT	:	REPORTS FILE CONTENTS AND STRUCTURE		S	(C605)	36516A	GLP	:	LINEAR PROGRAMMING	
T	(C205)	36185A	TERTES	:	TELETYPE-CRT DIAGNOSTIC		S	(C605)	36517A	GLPSA1	:	LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	
T	(A211)	36116A	BASTES	:	BASIC TEST PROGRAM		T	(A606)	36065C	OECNS	:	TOP MANAGEMENT DECISION GAME	
T	(C211)	36143C	XREF	:	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR		T	(C606)	36550A	GVOTE	:	COMMITTEE CHOICE ANALYSIS	
T	(F212)	36287A	DATA	:	DUMPS FILE TO DATA STATEMENTS		S	(C607)	36552A	GSSS	:	SMALL SYSTEMS SIMULATOR	
T	(A217)	36013A	TESTY	:	TESTS THE OPERATION OF A REMOTE TELETYPE		T	(A609)	36069A	LNTRND	:	LINEAR TREND FORECASTING	
T	(A301)	36034A	SPHERE	:	SOVES SPHERICAL TRIANGLES		T	(A610)	36067A	DYNPRO	:	DYNAMIC PROGRAMMING MODEL	
T	(A301)	36035B	EUCLIO	:	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS		T	(A706)	36213B	CTC4	:	CTC PAYROLL PROGRAMS	
T	(A301)	36036A	SQRS	:	AN INTEGER AS THE SUM OF FOUR SQUARES		T	(A708)	36177A	REP	:	DATA CENTER INVENTORY REPORT GENERATOR	
T	(A301)	36037A	FACTOR	:	FINOS PRIME FACTORS OF POSITIVE INTEGERS		T	(A708)	36177A	IN	:	DATA CENTER INVENTORY REPORT GENERATOR	
T	(B301)	36131A	CALCOM	:	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)		T	(A708)	36210B	CTC1	:	CTC MANUFACTURING PARTS CONTROL	
T	(B301)	36131A	CALPLT	:	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)		T	(A708)	36211B	CTC2	:	CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	
T	(A301)	36168A	CALC2	:	THREE REGISTER CALCULATOR PROGRAM		T	(F709)	36638A	CTC6	:	CTC ACCOUNTS PAYABLE	
T	(A302)	36015A	CALC	:	EXTENDED PRECISION CALCULATOR		T	(A710)	36095A	SALES	:	SALES COMMISSION REPORT	
T	(A302)	36016B	LRGNUM	:	LARGE NUMBER ADDITION & MULTIPLICATION		T	(A711)	36214B	CTCS	:	CTC ACCOUNTS RECEIVABLE	
T	(A302)	36144A	EXTPRE	:	40-0IGIT PRECISION MATHEMATICS		T	(A712)	36074A	ANNUIT	:	ANNUITY ANALYSIS	
T	(A303)	36017A	FNCTS	:	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS		T	(A712)	36075A	BALSHT	:	PROFORMA INCOME STATEMENT AND BALANCE SHEET	
T	(A303)	36018A	SQR(2)	:	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER		T	(A712)	36082A	OEPCOM	:	DEPRECIATION METHOD COMPARISON	
T	(A303)	36118A	CXARTH	:	VECTOR ARITHMETIC		T	(A712)	36083A	EQUITY	:	COST OF EQUITY CAPITAL	
T	(A303)	36119A	CXEXP	:	VECTOR EXPONENTIATION		T	(A712)	36089B	INSTMT	:	INCOME STATEMENT	
T	(A306)	36019A	BESSEL	:	CALCULATES BESSEL FUNCTION OF FIRST KIND		T	(A712)	36090A	LENOER	:	SIMPLE LOAN ANALYSIS	
T	(S309)	36188A	POLY	:	POLYNOMIAL APPROXIMATION		T	(A712)	36091A	LESSEE	:	LEASE ANALYSIS AS DETERMINED BY THE LESSEE	
T	(A309)	36246A	POLFIT	:	FITS LEAST-SQUARES POLYNOMIALS		T	(A712)	36093A	MKBUY	:	MAKE-BUY DECISION ANALYSIS	
T	(A310)	36021A	INTGRT	:	COMPUTES NUMERIC INTEGRAL OF A FUNCTION		T	(A712)	36094B	MORGAG	:	MORTGAGE ANALYSIS	
T	(A310)	36022B	ROMINT	:	INTEGRATES A FUNCTION (ROMBERG METHOD)		T	(A712)	36142B	CSHFL	:	CASH FLOW ANALYSIS	
T	(A311)	36024A	ROOTER	:	FINDS THE ROOTS OF POLYNOMIALS		T	(C712)	36194A	LEASIN	:	LEASE INCOME	
T	(A312)	36025A	CDETER	:	COMPTS VALUE OF COMPLEX DETERMINANT		T	(C712)	36226A	LOAN	:	LOAN AMORTIZATION	
T	(B312)	36263A	OETER4	:	DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES		S	(C712)	36510A	GFNRRAT	:	FINANCIAL RATIOS	
T	(A314)	36026A	SIMEGN	:	SOVES SIMULTANEOUS LINEAR EQUATIONS		S	(C712)	36513A	GIRRPV	:	INVESTMENT RETURN (CASH FLOW)	
T	(A314)	36027A	CROUTI	:	SOVES SIMULTANEOUS LINEAR EQUATIONS		T	(C712)	36543A	GRISKA	:	RISK ANALYSIS IN CAPITAL INVESTMENT	
T	(A314)	36196A	SOLVIT	:	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION		T	(A713)	36076B	BNDPRC	:	BONO PRICE ANALYSIS	
S	(C314)	36547A	GSIMEQ	:	SIMULTANEOUS LINEAR EQUATIONS		T	(A713)	36077A	BNSDWH	:	BOND SWITCH ANALYSIS	
T	(A316)	36028A	CTRFFT	:	COMPLEX TO REAL FAST FOURIER TRANSFORM		T	(A713)	36078B	BNDYLD	:	BONO YIELD ANALYSIS	
T	(A316)	36029A	RTCFFT	:	REAL TO COMPLEX FAST FOURIER TRANSFORM		T	(A713)	36079A	BKRSRV	:	BANK RESERVE CALCULATIONS	
T	(A317)	36030A	GFFT	:	GENERAL FAST FOURIER TRANSFORM		T	(A713)	36080A	CAPINV	:	CAPITAL INVESTMENT ANALYSIS	
T	(A317)	36031A	DERIV	:	DERIVATIVE OF A FUNCTION AT A POINT		T	(A713)	36084A	EXORSK	:	EXTENDED RISK ANALYSIS	
T	(A318)	36032A	DE-10R	:	1ST ORDER DIFFERENTIAL EQUATION		T	(A713)	36085A	EXSMO0	:	EXPONENTIAL SMOOTHING ON PRICE DATA	
T	(A318)	36033A	DE-20R	:	2ND ORDER DIFFERENTIAL EQUATION		T	(A713)	36092A	MARKOW	:	SECURITIES PORTFOLIO USING MARKOWITZ MODEL	
T	(A401)	36170A	T-TEST	:	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION		T	(A713)	36096A	STKINC	:	STOCK MERGER INCENTIVE PROGRAM	
T	(A404)	36023B	POLFIT	:	FITS LEAST-SQUARES POLYNOMIALS		T	(A713)	36098A	STKRTR	:	STOCK RETURNS REPORT	
T	(A404)	36038C	CURFIT	:	PERFORMS LEAST-SQUARES FIT		T	(A713)	36099A	STKSMO	:	EXPONENTIAL SMOOTHING AS A STOCK GUIDE	
T	(A404)	36054B	REGCOR	:	REGRESSION/CORRELATION		T	(A713)	36100A	STKVLU	:	STOCK VALUE & EVALUATION REPORT	
T	(A404)	36178A	MULREG	:	MULTIPLE REGRESSION/CORRELATION		T	(A713)	36101A	TRUINT	:	TRUE ANNUAL INTEREST RATE ANALYSIS	
T	(A404)	36186A	MULTX	:	LEAST-SQUARES FIT, MULTIPLE Y'S PER X		T	(C713)	36179A	DROIPB	:	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	
S	(C404)	36542A	GRGFLT	:	SIMPLE REGRESSION AND PLOT		S	(C713)	36503A	GCHLIN	:	RATING INVESTMENT FUNDS	
T	(A405)	36050B	RANOEV	:	GENERATES RANDOM DEVIATES-SUBROUTINE		S	(C713)	36507A	GDAPI	:	ABNORMAL PERFORMANCE INDEX	
T	(A405)	36203A	RANORD	:	RANDOM NUMBER GENERATOR		S	(C713)	36508A	GDPA	:	EFFICIENT 'CORNER' PORTFOLIOS	
T	(B405)	36264A	RNOORD	:	PLACING INTEGERS IN RANDOM ORDER								

CLASSIFICATION CODE LISTING

S (C713)	36514A	GKASSF : WARRANT PRICE CALCULATION	E (B833)	36261A	ISOMER : DRILL ON NAMING ALKANES
S (C713)	36515A	GKOCST : PRICE/EARNINGS RATIO CALCULATION	E (B833)	36266A	IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS
S (C713)	36530A	GNMVRB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	E (B833)	36267A	ELMENT : DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS
S (C713)	36530A	GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	*E (F833)	36295A	CHEM : SELF-CORRECTING CHEMISTRY TEST
S (C713)	36545A	GSTKVL : STOCK VALUATION	H (S833)	36300A	DROS : GENETIC CHARACTERISTICS
S (C713)	36553A	GTHOR : SECURITIES EPS GROWTH	H (S833)	36301A	EVOLU : NATURAL SELECTION EXPERIMENT
S (C713)	36554A	GVPDQT : PLOTTING DATA	H (S833)	36302A	GAMGN : PROCESS OF GAMETOGENESIS
S (C713)	36554A	VPOQ : PLOTTING DATA	H (S833)	36303A	NZYM2 : ENZYMIC REACTION RATES
S (C713)	36557A	VRRG : INVESTMENT STRATEGY ANALYSIS	H (S833)	36304A	NZYM2 : ENZYME REACTION RATE
T (A714)	36086A	GNPSUM : GROSS NATIONAL PRODUCT SUMMARY	H (S833)	36305A	PHOSYN : PHOTOSYNTHESIS EXPERIMENT
T (A714)	36087A	INACNT : NATIONAL INCOME & PRODUCT ACCOUNTS	H (S833)	36306A	DECAY1 : RADIOACTIVE DECAY GAME
T (A714)	36088A	IN/OUT : INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	H (S833)	36307A	DECAY2 : NUCLEAR DECAY
T (A716)	36073A	BUOGET : DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	H (S833)	36308A	EQUIL1 : EQUILIBRIUM SYSTEMS
T (A716)	36111A	EXPEND : BUDGET EXPENDITURES VS. TARGETS MONITOR	H (S833)	36308A	EQUIL2 : EQUILIBRIUM SYSTEMS
T (A717)	36113B	RECRUT : RECRUITING INFORMATION SYSTEM	H (S833)	36309A	KINET : KINETIC REACTION
*T (A717)	36212B	CTC3 : CTC PROJECTION PROGRAMS	H (A833)	36310A	MASSO : MASS DEFECT
T (C718)	36164B	IATA.1 : CALCULATE AIR FREIGHT RATES	H (S833)	36311A	PRCNT : PERCENT COMPOSITION
T (C718)	36174A	TRCK.1 : CALCULATE TRUCK FREIGHT RATES	H (S833)	36312A	RFIELD : MAGNETIC FIELD PICTURE
T (C718)	36241A	IATA.C : CALCULATES BREAKPOINT OF IATA CONTAINERS	H (S833)	36313A	ROHR : ENERGY LEVEL DIAGRAM
T (A720)	36072A	SALSIM : SALARY SCHEDULE COST SIMULATOR	H (S833)	36314A	CALORI : CALORIMETRY EXPERIMENT
E (C720)	36202A	ATTEND : ARSENTEE LISTING	H (S833)	36315A	KINERV : REVIEW OF KINEMATICS
*T (F720)	36282A	COLREG : COLLEGE REGISTRATION DEMO	H (S833)	36316A	NEWTN2 : NEWTON'S 2ND LAW
H (S720)	36340A	AVERG1 : AVERAGES AND CURVES GRADES	H (S833)	36317A	PHOTEL : PHOTOELECTRIC EFFECT
H (S720)	36341A	FREQ : BAR GRAPHS OF GRADES	H (S833)	36318A	PHOTON : ENERGY LEVEL PROBLEM
H (S720)	36342A	GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H (S833)	36319A	REFLCT : LEAST TIME PRINCIPLE AND LIGHT
H (S720)	36343A	ITEM1 : NUMBER FREQUENCIES	H (S833)	36320A	SNELL : SNELL'S LAW
H (S720)	36344A	STAT : STATISTICAL ANALYSIS OF LAB DATA	H (S833)	36321A	SPACE : SPACECRAFT ORBITS
T (C720)	36518A	GMARKS : GSR GRADING PROGRAM	H (S833)	36322A	VFIELD : POTENTIAL FIELD PICTURE
T (C720)	36518A	GEDIT : GSR GRADING PROGRAM	H (S833)	36323A	VLOCITY : INSTANTANEOUS VELOCITY
E (C800)	24241B	IDF : INSTRUCTIONAL DIALOGUE FACILITY	H (S833)	36324B	WAVES : SUM OF TWO WAVES
E (C800)	24242B	EXEC : CAI EXECUTIVE PACKAGE	H (S833)	36325A	CLOUDS : CLOUD FORMATION
E (A800)	24244A	SUBRTM : CAI SUBROUTINES	H (S833)	36326A	WATER1 : WATER BUDGET PROBLEM CHECK
E (A801)	20879B	MATHB : CAI MATH PACKAGE (2000B VERSION)	H (S833)	36327A	WATER2 : WATER BUDGET
E (C801)	24243B	MATHC : CAI MATH PACKAGE (2000C VERSION)	H (S833)	36350A	PLANK : A PHOTOELECTRIC SIMULATION
E (B801)	36128A	TENS : DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	H (A833)	36351A	SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT
E (B801)	36129A	ORILL : BASIC ARITHMETIC DRILL	E (S833)	36353A	AF LIFE : JOHN CONWAY'S GAME OF LIFE
E (B801)	36130A	TWQUES : MATHEMATICAL GAME OF TWENTY QUESTIONS	*E (F833)	36603A	ALEHA : PROPAGATION OF ERROR
E (A801)	36133A	WKSHST : GENERATES MATH WORKSHEETS	*H (A833)	36611A	MEMBR : DIFFUSION EXPERIMENT
E (A801)	36159A	DIFFEQ : CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	*H (A833)	36613A	ATWT : CALCULATES ATOMIC WEIGHT
E (A801)	36182A	SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	*H (A833)	36614A	AVOGA : AVOGADRA'S NUMBER
E (A801)	36205A	CAOAI1 : COMPUTER ASSISTED ARITHMETIC DRILL	*H (A833)	36615A	EMPIR : CALCULATES EMPIRICAL FORMULAS
E (A801)	36205A	CADAIM : COMPUTER ASSISTED ARITHMETIC DRILL	*H (A833)	36616A	MOLAR : AC10-HASE TITRATION
E (A801)	36205A	CAOAI2 : COMPUTER ASSISTED ARITHMETIC DRILL	*H (A833)	36617A	PHPOH : PH, POH, PCT, DISSOCIATION
E (A801)	36227A	FACTRL : FACTORIALS TO 1000 PLACES	*H (A833)	36618A	STOICH : MASS VOLUME
E (C801)	36237A	TRIFAC : FACTORING QUADRATIC TRINOMIALS	*H (A833)	36629A	EFIELD : ELECTRIC FIELD STRENGTH
E (C801)	36238A	SIPRAC : PRACTICE WITH SIGNED NUMBERS	*H (A833)	36630A	LENSES : SOLVES LENS PROBLEMS
E (C801)	36239A	POLSUB : POLYNOMIAL SUBTRACTION	*H (A833)	36631A	PRJTL : PROJECTILE MOTION
E (C801)	36240A	BISQAR : SQUARING BINOMIALS	*H (F833)	36639A	POLUT : WATER POLLUTION SIMULATION
E (A801)	36251A	LOGIC : LOGIC EXAMINATION PROGRAMS	*H (F833)	36641A	STERL : FLY POPULATION CONTROL
E (C801)	36253A	EXTENO : INFINITE PRECISION MATH UTILITY PROGRAM	*H (F833)	36642A	GENE1 : GENETICS SIMULATION
E (B801)	36262A	CXSYS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E (B850)	36276A	MUSIC2 : TRIAD SOLVING PROGRAM
E (A801)	36265A	GAME : CLASSIC MATRIX OF GAME THEORY	E (B860)	36187A	WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM
E (C801)	36277A	DIMS : X-Y AXIS SEGMENT PROGRAM	H (S860)	36328A	BALANC : TRADE AND PAYMENT BALANCES
*E (C801)	36278A	SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	H (S860)	36329A	BANK : SOLVES FINANCIAL PROBLEMS
H (S801)	36333A	CRVLEN : COMPUTES LENGTH OF ANY CURVE	H (S860)	36330A	CONSPM : DEPRESSION/EQUILIBRIUM
H (S801)	36336A	RATIO : SOLVES PROPORTIONS	H (S860)	36331A	STOCK : STOCK MARKET SIMULATION
H (S801)	36337A	SETS : UNION AND INTERSECTION OF SETS	*E (F860)	36604A	CHARGE : CHARGE ACCOUNT SIMULATION
H (S801)	36338A	SURFAC : AREA OF SURFACE OF REVOLUTION	E (F860)	36640A	POLSY : SIMULATION OF CITY COUNCIL
H (S801)	36339A	VOLSOL : VOLUME OF SOLID OF REVOLUTION	E (C871)	36175A	CARLOS : COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II
E (S801)	36360A	BAGELS : THREE-DIGIT NUMBER GUESSING	E (A880)	36002B	SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*E (F801)	36602A	TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS	E (A880)	36002B	MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*H (A801)	36620A	CVAREA : AREA UNDER CURVE	E (A880)	36002B	RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*H (A801)	36622A	LIMSIN : LIMIT OF (SIN X)/X	E (B880)	36193A	SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36623A	PI : CALCULATES PI	E (B880)	36193A	MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36625A	ROOTS2 : QUADRATIC EQUATION SOLVER	E (B880)	36193A	MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36626A	SLOPE : FINDS DERIVATIVES	E (B880)	36193A	RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36627A	SQRT : FINDS SQUARE ROOT	E (C880)	36209A	MRKSIM : MARKETING SIMULATION
*H (A801)	36628A	STATAL : ARITHMETIC MEAN	E (C880)	36209A	SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C
E (A810)	36014A	STOP : TIES MATH CALCULATOR PACKAGE	E (A880)	36209A	MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C
E (A810)	36139A	TUTOR : TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	S (C880)	36502A	LAROR : LABOR/MANAGEMENT BARGAINING
E (C810)	36219A	BRAIN : BRAIN SIMULATOR PROGRAM	T (A901)	36110A	GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME
E (C810)	36254A	EXPRES : EXPRESSION SOLVING PROGRAM	T (A901)	36169A	CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC
H (S810)	36334B	PLOTTR : FUNCTION PLOTTER	T (A901)	36169A	FIFTY! : EXTENDED PRECISION FACTORIAL
H (S810)	36335A	QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	T (A903)	36102A	GOLF : A GOLF GAME
E (A820)	36148A	EXPNTL : CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	T (A903)	36103A	BLJACK : GAME OF TWENTY-ONE
E (A820)	36149A	SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS	T (A903)	36105A	BATNUM : PLAYS THE BATTLE OF NUMBERS GAME
E (A820)	36150A	NET-3 : COMPLEX NUMBER OPERATIONS	T (A903)	36106A	QUBIC : PLAYS 3-DIMENSIONAL TIC-TAC-TOE
E (A820)	36152A	AC-1 : COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	T (A903)	36107A	SLOT : SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)
E (A820)	36153A	COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS	T (A903)	36108A	SNOOPY : DRAWS SNOOPY ON THE TELEPRINTER
E (A820)	36154A	INOMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	T (A903)	36138A	LIFE : A GAME OF CELLULAR GENERATION GROWTH
E (A820)	36155A	POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM	T (A903)	36181A	FTBL : FOOTBALL
E (A820)	36156A	DVDRS : CAI IN VOLTAGE AND CURRENT DIVIDERS	T (A903)	36236A	BATTLE : BATTLESHIP GAME
E (A820)	36157A	UNITS : CAI IN INTERPRETATION OF EE UNITS	T (C903)	36243A	STR1 : STAR TREK
E (A820)	36158A	RNET : NETWORK SIMULTANEOUS EQUATIONS	T (A903)	36244A	KENO : \$25,000.00 KENO GAME
E (A820)	36166A	DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	*T (A903)	36601A	ORAG : SIMULATES A DRAG RACE
E (A820)	36167A	JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	T (A904)	36104A	PLOT : PLOTS A GIVEN FUNCTION ON THE TELETYPE
S (C830)	36519A	GMCR01 : FISCAL POLICY GAME	T (A904)	36112A	FPLT : FUNCTION PLOT
S (C830)	36519A	GMCR02 : FISCAL POLICY GAME	T (A904)	36114A	TITLE : CHARACTER GENERATION
S (C830)	36521A	GMCR06 : ECONOMIC POLICY GAME	T (A904)	36115A	GRAPHS : DEMO PLOT PROGRAM FOR HP 7200 PLOTTER
S (C830)	36521A	GMCR05 : ECONOMIC POLICY GAME	T (A904)	36165A	FGRAPH : SIMULTANEOUS FUNCTION GRAPHER
*H (A830)	36632A	CIRFLW : CIRCULAR FLOW MODEL	T (A904)	36228A	PLOTWD : WORD PLOTTER
E (A833)	36121A	ORBIT : INTEGRATES EQUATIONS OF MOTION	T (C904)	36235A	HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS
E (A833)	36134A	H-LIFE : HALF LIFE SIMULATION	*T (F904)	36299A	PRINT : GENERATES LARGE LETTERS
E (A833)	36184A	SPCTRA : OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	S (C904)	36555A	VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010
E (B833)	36260A	IONIC : DRILL ON FORMULAS AND CHARGES OF IONS	S (C904)	36556A	VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010
			S (C904)	36558A	VSUB : DISPLAY ROUTINE USING TEKTRONIX 4010
			T (C904)	36559A	VTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL
			F (B904)	72050A	HPLOTB : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B
			T (C904)	72051A	HPLOT : AUTOMATIC PLOTTING PROGRAM

CROSS REFERENCE INDEX

Volume	System	Specification	Code	Order No.	Volume	System	Specification	Code	Order No.	
ACCOUNTS PAYABLE (709)					LEASIN : LEASE INCOME					T C712 36194A
CTC6	:	CTC ACCOUNTS PAYABLE	*T F709	36638A	GPNRAT	:	FINANCIAL RATIOS	S C712	36510A	
ACCOUNTS RECEIVABLE (711)					GIRRPV : INVESTMENT RETURN (CASH FLOW)					S C712 36513A
CTC5	:	CTC ACCOUNTS RECEIVABLE	T A711	36214B	GRISKA	:	RISK ANALYSIS IN CAPITAL INVESTMENT	S C712	36543A	
ALGEBRA					GCHLIN : RATING INVESTMENT FUNDS					S C713 36503A
COMPLX	:	CAI IN ALGEBRA OF COMPLEX NUMBERS	E A820	36153A	GDAPI	:	ABNORMAL PERFORMANCE INDEX	S C713	36507A	
ALPHA					GDPA : EFFICIENT 'CORNER' PORTFOLIOS					S C713 36508A
STGSRT	:	SORTS STRINGS FROM FILES	T C107	36145A	GKASSF	:	WARRANT PRICE CALCULATION	S C713	36514A	
ALPHA	:	ALPHANUMERIC SORT	*T A107	36292A	GKOST	:	PRICE/EARNINGS RATIO CALCULATION	S C713	36515A	
ANALYSIS OF VARIANCE AND COVARIANCE (410)					GMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION					S C713 36530A
ANVARI	:	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	T A410	36039B	GMRGB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713	36530A	
ANVAR2	:	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	T A410	36040B	GSTKVL	:	STOCK VALUATION	S C713	36545A	
ANVAR3	:	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	T A410	36172A	GTHOR	:	SECURITIES EPS GROWTH	S C713	36553A	
ANVAR4	:	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	T A410	36173A	VRRC	:	INVESTMENT STRATEGY ANALYSIS	S C713	36557A	
ANOVA3	:	THREE FACTORIAL ANALYSIS OF VARIANCE	*T F410	36271A	GMCRO1	:	FISCAL POLICY GAME	S C830	36519A	
ANCOV	:	ANALYSIS OF COVARIANCE	*T A410	36294A	GMCRO2	:	FISCAL POLICY GAME	S C830	36519A	
GANOVA	:	ANALYSIS OF VARIANCE (2-WAY)	S C410	36501A	GMCRO6	:	ECONOMIC POLICY GAME	S C830	36521A	
STAT19	:	KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	*T F410	36607A	GMCRO5	:	ECONOMIC POLICY GAME	S C830	36521A	
ARITHMETIC					CIRFLW : CIRCULAR FLOW MODEL					*H A830 36632A
RATIO	:	SOLVES PROPORTIONS	H S801	36336A	WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM	E B860	36187A	
SETS	:	UNION AND INTERSECTION OF SETS	H S801	36337A	CHARGE	:	CHARGE ACCOUNT SIMULATION	*E F860	36604A	
STATAL	:	ARITHMETIC MEAN	*H A801	36628A	SETUP	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	
ASCII					MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A					E A880 36002B
ASCII*	:	CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	*T C104	36256B	RITE	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	
-ASCII	:	ASCII CODE GENERATOR	T C104	36257A	SETUPB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
SORT	:	FILE SERIAL STRING SORT	T C107	36122A	MANAGB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
ALPHA	:	ALPHANUMERIC SORT	*T A107	36292A	MANAGU	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
ASTRONOMY AND CELESTIAL NAVIGATION (509)					RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B					E B880 36193A
SUNSET	:	SUNRISE-SUNSET PREDICTOR	T S509	36180A	MRKSIM	:	MARKETING SIMULATION	E A880	36199A	
BASIC					SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C					E C880 36209A
BASTES	:	BASIC TEST PROGRAM	T A211	36116A	MANAGC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C	E C880	36209A	
XREF	:	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T C211	36143C	LABOR	:	LABOR/MANAGEMENT BARGAINING	E A880	36233A	
TUTOR	:	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25	E A810	36139A	GSPMG	:	STANFORD PORTFOLIO MANAGEMENT GAME	S C880	36502A	
HPL0TB	:	AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T B904	72050A	BUSINESS INFORMATION SYSTEMS (717)					
BESSEL FUNCTION					RECRUT : RECRUITING INFORMATION SYSTEM					T A717 36113B
BESSEL	:	CALCULATES BESSEL FUNCTION OF FIRST KIND	T A306	36019A	CTC3	:	CTC PROJECTION PROGRAMS	*T A717	36212B	
BIOLOGY (508)					SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A					E A880 36002B
DR05	:	GENETIC CHARACTERISTICS	H S833	36300A	MANAG	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	
GAMGN	:	PROCESS OF GEMETOGENESIS	H S833	36302A	RITE	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	
NZYM	:	ENZYMATIC REACTION RATES	H S833	36303A	SETUPB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
NZYM2	:	ENZYME REACTION RATE	H S833	36304A	MANAGB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
PHOSYN	:	PHOTOSYNTHESIS EXPERIMENT	H S833	36305A	MANAGU	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
DECAY1	:	RADIOACTIVE DECAY GAME	H S833	36306A	RITET	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	
DECAY2	:	NUCLEAR DECAY	H S833	36307A	SETUPC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C	E C880	36209A	
AFLE	:	JOHN CONWAY'S GAME OF LIFE	E S833	36353A	MANAGC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C	E C880	36209A	
MEMBR	:	DIFFUSION EXPERIMENT	*H A833	36611A	BUSINESS SERVICES (718)					
LIFE	:	A GAME OF CELLULAR GENERATION GROWTH	T A903	36138A	LOGRAM : LOG-ON TAPE ANALYZER					T A408 36001A
BOOLEAN ALGEBRA (305)					IATA-1 : CALCULATE AIR FREIGHT RATES					T C718 36164B
TRUTH	:	TRUTH TABLES FOR BOOLEAN EXPRESSIONS	*E F801	36602A	TRCK-1	:	CALCULATE TRUCK FREIGHT RATES	T C718	36174A	
BUDGETING PROGRAMS (716)					IATA-C : CALCULATES BREAKPOINT OF IATA CONTAINERS					T C718 36241A
BALSHT	:	PROFORMA INCOME STATEMENT AND BALANCE SHEET	T A712	36075A	CAI					
CAPINV	:	CAPITAL INVESTMENT ANALYSIS	T A713	36080A	IDF	:	INSTRUCTIONAL DIALOGUE FACILITY	E C800	24241B	
BUDGET	:	DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	T A716	36073A	EXEC	:	CAI EXECUTIVE PACKAGE	E C800	24242B	
EXPEND	:	BUDGET EXPENDITURES VS. TARGETS MONITOR	T A716	36111A	SUBRTN	:	CAI SUBROUTINES	E A800	24244A	
CTC3	:	CTC PROJECTION PROGRAMS	*T A717	36212B	MATHB	:	CAI MATH PACKAGE (2000B VERSION)	E A801	20879B	
BUSINESS (EDUCATION) (880)					MATHC : CAI MATH PACKAGE (2000C VERSION)					E C801 24243B
GWBULL	:	SUBJECTIVE PROBABILITY - RANDOM VALUES	S C405	36551A	CADA1I	:	COMPUTER ASSISTED ARITHMETIC DRILL	E A801	36205A	
GTASPD	:	SUBJECTIVE PROBABILITY DISTRIBUTION	S C406	36549A	CADA1M	:	COMPUTER ASSISTED ARITHMETIC DRILL	E A801	36205A	
GRANK	:	RANKING STATISTICS	S C408	36541A	CADA1P	:	COMPUTER ASSISTED ARITHMETIC DRILL	E A801	36205A	
GANOVA	:	ANALYSIS OF VARIANCE (2-WAY)	S C410	36501A	CARLOS	:	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	E C871	36175A	
GNETFL	:	NETWORK FLOW	T A604	36529A	CALCULATOR					
TRANSP	:	TRANSPORTATION PROBLEM	T A605	36230A	CALCOM	:	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T B301	36131A	
DECSN	:	TOP MANAGEMENT DECISION GAME	T A606	36065C	CALPLT	:	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T B301	36131A	
GVOTE	:	COMMITTEE CHOICE ANALYSIS	S C606	36550A	CALC2	:	THREE REGISTER CALCULATOR PROGRAM	T A301	36168A	
GSSS	:	SMALL SYSTEMS SIMULATOR	S C607	36552A	CALC	:	EXTENDED PRECISION CALCULATOR	T A302	36015A	
CSHFL	:	CASH FLOW ANALYSIS	T A712	36142B	STOP	:	TIES MATH CALCULATOR PACKAGE	E A810	36014A	
					CASSETTE					
					CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT					T A312 36025A
					CHARACTER/SYMBOL MANIPULATION (104)					
					FORMAT : ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT					T A104 36005B
					DATES : COMPUTES DATE FROM SYSTEM CLOCK					T B104 36117A
					HELLO : TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL					T B104 36125B
					STGIWT : STRING-INTEGER CONVERSIONS					T A104 36176A
					*HARS : ASCII CHARACTER SET					T C104 36220A
					ASCII* : CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS					*T C104 36256B
					-ASCII : ASCII CODE GENERATOR					T C104 36257A
					KEYSIG : GIVES MAJOR SCALES					T A104 36258A

CROSS REFERENCE INDEX

	Volume	System	Specification	Code	Disk	File		Volume	System	Specification	Code	Disk	File
MUSICS : FINDS DOMINANT SEVENTHS	T	A104											
ALFTOV : ALPHA TO VARIABLE CONVERSION	*T	F104											
TIMER : TIME OF THE DAY	*T	F104											
DATER : DATE AND DAY OF THE WEEK	*T	F104											
GTAPID : PAPER TAPE TITLER	T	C104											
JULI : ONE PAGE JULIAN CALENDAR	*T	F108											
CALNDR : PRINTS A CALENDAR	*T	F108											
TITLE : CHARACTER GENERATION	T	A904											
PRINT : GENERATES LARGE LETTERS	*T	F904											
CHEMICAL ENGINEERING (516)													
DEBYE : COMPUTES DEBYE OR EINSTEIN FUNCTION	T	A516											
CHEMISTRY (507)													
H-LIFE : HALF LIFE SIMULATION	E	A833											
SPCTRA : OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	E	A833											
PHOSYN : PHOTOSYNTHESIS EXPERIMENT	H	S833											
DECAY1 : RADIOACTIVE DECAY GAME	H	S833											
DECAY2 : NUCLEAR DECAY	H	S833											
EQUIL1 : EQUILIBRIUM SYSTEMS	H	S833											
EQUIL2 : EQUILIBRIUM SYSTEMS	H	S833											
KINET : KINETIC REACTION	H	S833											
MASSD : MASS DEFECT	H	A833											
PRCNT : PERCENT COMPOSITION	H	S833											
CALORI : CALORIMETRY EXPERIMENT	H	S833											
ATWT : CALCULATES ATOMIC WEIGHT	*H	A833											
AVOGA : AVOGADRA'S NUMBER	*H	A833											
EMPIR : CALCULATES EMPIRICAL FORMULAS	*H	A833											
MOLAR : ACID-BASE TITRATION	*H	A833											
PHPOH : PH, POH, PCT, DISSOCIATION	*H	A833											
STOICH : MASS VOLUME	*H	A833											
CIVIL ENGINEERING (515)													
BEMDES : RECOMMENDS CORRECT STEEL BEAM USE	T	AS15											
CODE/RADIX CONVERSION (105)													
STGINT : STRING-INTEGERS CONVERSIONS	T	A104											
ALFTOV : ALPHA TO VARIABLE CONVERSION	*T	F104											
COMPLEX													
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303											
SQR(Z) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303											
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312											
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316											
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316											
GFFT : GENERAL FAST FOURIER TRANSFORM	T	A316											
CXSYSS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E	B801											
ROOTS2 : QUADRATIC EQUATION SOLVER	*H	A801											
COMPLEX ARITHMETIC (303)													
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303											
SQR(Z) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303											
CXARTH : VECTOR ARITHMETIC	T	A303											
CXEXP : VECTOR EXPONENTIATION	T	A303											
SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS	E	A820											
NET-3 : COMPLEX NUMBER OPERATIONS	E	A820											
COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS	E	A820											
CONTINUOUS SYSTEMS SIMULATION (607)													
GSSS : SMALL SYSTEMS SIMULATOR	S	C607											
CONVERSION													
STGINT : STRING-INTEGERS CONVERSIONS	T	A104											
COOLEY-TUKEY													
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316											
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316											
GFFT : GENERAL FAST FOURIER TRANSFORM	T	A316											
CORRELATION ANALYSIS (409)													
MULREG : MULTIPLE REGRESSION/CORRELATION	T	A404											
ANVAR4 : TWO-WAY ANALYSIS OF VARIANCE FOR A TWO- WAY EXPERIMENT	T	A410											
CRITICAL PATH ANALYSIS (603)													
CPATH : CRITICAL PATH EVALUATION	T	A603											
GCPATH : CRITICAL PATH ANALYSIS	S	C603											
GCPMI : CRITICAL PATH ANALYSIS	S	C603											
CROSS REFERENCE													
XREF : BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T	C211											
CURVE													
CVAREA : AREA UNDER CURVE	*H	A801											
CURVE FITTING (309)													
POLY : POLYNOMIAL APPROXIMATION	T	5309											
POLFTE : FITS LEAST-SQUARES POLYNOMIALS	T	A309											
CURFIT : PERFORMS LEAST-SQUARES FIT	T	A404											
DATA COMMUNICATIONS													
MESSAG : INTERTERMINAL COMMUNICATOR	*T	F102											
DATA HANDLING UTILITIES (108)													
DATES : COMPUTES DATE FROM SYSTEM CLOCK	T	B104											
HELLO : TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	T	B104											
TIMER : TIME OF THE DAY	*T	F104											
DATER : DATE AND DAY OF THE WEEK	*T	F104											
JULIAN : JULIAN CALENDAR FOR THE CURRENT YEAR	T	A108											
HPMLUT : LIST/DUMP HP ASSEMBLER FILES	T	A108											
HPMLIT : LIST/DUMP HP ASSEMBLER FILES	T	A108											
TALK : TIME SHARING SYSTEM COMMUNICATION	T	A108											
NEWIDS : CREATES NEW USER NUMBERS	*T	F108											
FILIS : FILE LISTING PROGRAM/INSTRUCTIONS	T	C108											
FILIS1 : FILE LISTING PROGRAM/INSTRUCTIONS	T	C108											
JULI : ONE PAGE JULIAN CALENDAR	*T	F108											
CALNDR : PRINTS A CALENDAR	*T	F108											
FILMAN : FILE MANAGER	T	A110											
FILIN : KEYBOARD FILE LOADING PROGRAM	T	A110											
FILDUM : PAPER TAPE FILE DUMP	T	A110											
FILIST : LISTS FILE CONTENTS BY RECORD NUMBER	T	A110											
FILOAD : LOADS A FILE FROM THE TELETYPE	T	A110											
FILREA : REENTERS THE DATA TAPE DUMPED BY FILDUM	T	A110											
FILRPT : REPORTS FILE CONTENTS AND STRUCTURE	*T	F110											
DATA : DUMPS FILE TO DATA STATEMENTS	*T	F212											
DEBUGGING AIDS (211)													
BASTES : BASIC TEST PROGRAM	T	A211											
XREF : BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T	C211											
DEMONSTRATIONS (901)													
COLREG : COLLEGE REGISTRATION DEMO	*T	F720											
CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T	A901											
FIFTY! : EXTENDED PRECISION FACTORIAL	T	A901											
DETERMINANT													
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312											
DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E	A820											
DEVIATION													
STATAL : ARITHMETIC MEAN	*H	A801											
DIAGNOSTICS (SEE SPECIFIC TYPE OF DIAGNOSTIC)													
DIFFERENTIAL													
DE-10R : 1ST ORDER DIFFERENTIAL EQUATION	T	A318											
DE-20R : 2ND ORDER DIFFERENTIAL EQUATION	T	A318											
SLOPE : FINDS DERIVATIVES	*H	A801											
DIGITAL VOLTAGE SOURCE (SEE VOLTAGE SOURCE)													
DISCRETE SYSTEMS SIMULATION (606)													
DECSN : TOP MANAGEMENT DECISION GAME	T	A606											
GVOTE : COMMITTEE CHOICE ANALYSIS	S	C606											
GSSS : SMALL SYSTEMS SIMULATOR	S	C607											
DRIVER (SEE I/O, AND/OR SPECIFIC PERIPHERAL TYPE)													
DRUM (SEE DISC/DRUM)													
DUMPING (207)													
HPMLUT : LIST/DUMP HP ASSEMBLER FILES	T	A108											
HPMLIT : LIST/DUMP HP ASSEMBLER FILES	T	A108											
FILMAN : FILE MANAGER	T	A110											
FILDUM : PAPER TAPE FILE DUMP	T	A110											
DATA : DUMPS FILE TO DATA STATEMENTS	*T	F212											
DUPLICATION (106)													
FLCOPY : COPIES ONE FILE INTO ANOTHER	T	A110											
DVM (SEE DIGITAL VOLTMETER)													
DYNAMIC PROGRAMMING (610)													
DYNPRO : DYNAMIC PROGRAMMING MODEL	T	A610											
ECONOMIC ANALYSIS (714)													
DECSN : TOP MANAGEMENT DECISION GAME	T	A606											
GNPSUM : GROSS NATIONAL PRODUCT SUMMARY	T	A714											
INACNT : NATIONAL INCOME & PRODUCT ACCOUNTS	T	A714											
IN/OUT : INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	T	A714											
GMCRO1 : FISCAL POLICY GAME	S	C830											
GMCRO2 : FISCAL POLICY GAME	S	C830											
GMCRO6 : ECONOMIC POLICY GAME	S	C830											
GMCRO5 : ECONOMIC POLICY GAME	S	C830											

CROSS REFERENCE INDEX



ECONOMICS (EDUCATION) (830)

GNPSUM : GROSS NATIONAL PRODUCT SUMMARY T A714 36086A
 GMCRO1 : FISCAL POLICY GAME S C830 36519A
 GMCRO2 : FISCAL POLICY GAME S C830 36519A
 GMCRO6 : ECONOMIC POLICY GAME S C830 36521A
 GMCRO5 : ECONOMIC POLICY GAME S C830 36521A
 CIRFLW : CIRCULAR FLOW MODEL *H A830 36632A
 WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM E B860 36187A
 BALANC : TRADE AND PAYMENT BALANCES H S860 36328A
 BANK : SOLVES FINANCIAL PROBLEMS H S860 36329A
 CONSMF : DEPRESSION/EQUILIBRIUM H S860 36330A
 STOCK : STOCK MARKET SIMULATION H S860 36331A
 CHARGE : CHARGE ACCOUNT SIMULATION *E F860 36604A
 LABOR : LABOR/MANAGEMENT BARGAINING E A880 36233A

EDITING (101)

MACRO : A TEXT AND FILE PROCESSING SYSTEM T A101 36003A
 TIDE : TEXT EDITOR FOR THE 2000C T C101 36200B
 TIDEX : SYMBOLIC FILE EDITOR T A101 36204A
 FINDIT : INFORMATION RETRIEVAL SYSTEM *T C102 36250B
 FILMAN : FILE MANAGER T A110 36006A

EDUCATIONAL ADMINISTRATION (720)

SALSIM : SALARY SCHEDULE COST SIMULATOR T A720 36072A
 ATTEND : ABSENTEE LISTING E C720 36202A
 COLREG : COLLEGE REGISTRATION DEMO *T F720 36282A
 AVERGI : AVERAGES AND CURVES GRADES H S720 36340A
 FREQ : BAR GRAPHS OF GRADES H S720 36341A
 GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED H S720 36342A
 ITEM1 : NUMBER FREQUENCIES H S720 36343A
 STAT : STATISTICAL ANALYSIS OF LAB DATA H S720 36344A
 GMARKS : GSB GRADING PROGRAM T C720 36518A
 GMEDIT : GSB GRADING PROGRAM T C720 36518A

EIGENVALUES AND EIGENVECTORS (313)

JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX E A820 36167A

ELECTRICAL ENGINEERING (513)

ANALAD : CIRCUIT ANALYSIS T A513 36056A
 ACNODE : AC CIRCUIT ANALYSIS PROGRAM T A513 36057A
 LPFLTR : DESIGNS LOW-PASS FILTERS T A513 36060A
 MICRO : MICROWAVE PARAMETERS CONVERSION T A513 36062A
 MIXSPR : MIXER SPURIOUS RESPONSE PROGRAM T A513 36064A
 ACTFIL : ACTIVE FILTER DESIGN *T F513 36293A
 DEBYE : COMPUTES DEBYE OR EINSTEIN FUNCTION T A516 36059A
 TMFCEV : TIME FUNCTION EVALUATOR T A519 36063A
 SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS E A820 36149A
 NET-3 : COMPLEX NUMBER OPERATIONS E A820 36150A
 AC-1 : COMPUTER AIDED PRACTICE IN EE AC ANALYSIS E A820 36152A
 INDMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR E A820 36154A
 DVDRS : CAI IN VOLTAGE AND CURRENT DIVIDERS E A820 36156A
 UNITS : CAI IN INTERPRETATION OF EE UNITS E A820 36157A
 RNET : NETWORK SIMULTANEOUS EQUATIONS E A820 36158A
 EFIELD : ELECTRIC FIELD STRENGTH *H A833 36629A

ENGINEERING (EDUCATION) (820)

SOLVIT : SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION T A314 36196A
 LQVALV : COMPUTES LIQUID CONTROL VALVE COEFFICIENTS T A511 36061A
 ANALAD : CIRCUIT ANALYSIS T A513 36056A
 ACNODE : AC CIRCUIT ANALYSIS PROGRAM T A513 36057A
 LPFLTR : DESIGNS LOW-PASS FILTERS T A513 36060A
 MICRO : MICROWAVE PARAMETERS CONVERSION T A513 36062A
 MIXSPR : MIXER SPURIOUS RESPONSE PROGRAM T A513 36064A
 HTXFR : TWO DIMENSIONAL HEAT TRANSFER T A514 36058A
 BEMDES : RECOMMENDS CORRECT STEEL BEAM USE T A515 36109A
 DEBYE : COMPUTES DEBYE OR EINSTEIN FUNCTION T A516 36059A
 TMFCEV : TIME FUNCTION EVALUATOR T A519 36063A
 GNETFL : NETWORK FLOW S C604 36529A
 GTHOR : SECURITIES EPS GROWTH S C713 36553A
 EXPNTL : CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME E A820 36148A
 SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS E A820 36149A
 NET-3 : COMPLEX NUMBER OPERATIONS E A820 36150A
 AC-1 : COMPUTER AIDED PRACTICE IN EE AC ANALYSIS E A820 36152A
 COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS E A820 36153A
 INDMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR E A820 36154A
 POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM E A820 36155A
 DVDRS : CAI IN VOLTAGE AND CURRENT DIVIDERS E A820 36156A
 UNITS : CAI IN INTERPRETATION OF EE UNITS E A820 36157A
 RNET : NETWORK SIMULTANEOUS EQUATIONS E A820 36158A
 DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION E A820 36166A
 JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX E A820 36167A

EUCLIDEAN

EUCLID : COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS T A301 36035B

EXPERIMENTAL DESIGN

ANVAR1 : ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN T A410 36039B
 ANVAR2 : ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN) T A410 36040B
 ANVAR3 : ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN T A410 36172A

EXTENDED-PRECISION ARITHMETIC (302)

CALC : EXTENDED PRECISION CALCULATOR T A302 36015A
 LRGNUM : LARGE NUMBER ADDITION & MULTIPLICATION *T A302 36016B
 EXTPRE : 40-DIGIT PRECISION MATHEMATICS T A302 36144A
 FACTRL : FACTORIALS TO 1000 PLACES E A801 36227A
 EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM E C801 36253A
 FIFTYI : EXTENDED PRECISION FACTORIAL T A901 36169A

FILE MANAGEMENT (110)

MACRO : A TEXT AND FILE PROCESSING SYSTEM T A101 36003A
 TIDEX : SYMBOLIC FILE EDITOR T A101 36204A
 SLSM : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM T A102 36004A
 FINDIT : INFORMATION RETRIEVAL SYSTEM *T C102 36250B
 FILMAN : FILE MANAGER T A110 36006A
 FILIN : KEYBOARD FILE LOADING PROGRAM T A110 36007A
 FILDUM : PAPER TAPE FILE DUMP T A110 36008C
 FILIST : LISTS FILE CONTENTS BY RECORD NUMBER T A110 36009C
 FILOAD : LOADS A FILE FROM THE TELETYPE T A110 36010C
 FILREA : REENTERS THE DATA TAPE DUMPED BY FILDUM T A110 36011A
 FLCOPY : COPIES ONE FILE INTO ANOTHER T A110 36012B
 XTRACT : FILE UTILITY PROGRAM T B110 36221A
 TAPDUM : FILE UTILITY PROGRAM T B110 36221A
 FILRPT : REPORTS FILE CONTENTS AND STRUCTURE *T F110 36247A
 DATA : DUMPS FILE TO DATA STATEMENTS *T F212 36287A

FINANCIAL ANALYSIS (712)

ANNUIT : ANNUITY ANALYSIS T A712 36074A
 BALSHT : PROFORMA INCOME STATEMENT AND BALANCE SHEET T A712 36075A
 DEPCOM : DEPRECIATION METHOD COMPARISON T A712 36082A
 EQUITY : COST OF EQUITY CAPITAL T A712 36083A
 INSTMT : INCOME STATEMENT T A712 36089B
 LEMDER : SIMPLE LOAN ANALYSIS T A712 36090A
 LESSEE : LEASE ANALYSIS AS DETERMINED BY THE LESSEE T A712 36091A
 MKBUY : MAKE-BUY DECISION ANALYSIS T A712 36093A
 MORGAG : MORTGAGE ANALYSIS T A712 36094B
 CSNFL : CASH FLOW ANALYSIS T A712 36142B
 LEASIN : LEASE INCOME T C712 36194A
 LOAN : LOAN AMORTIZATION T C712 36226A
 GFNRAT : FINANCIAL RATIOS S C712 36510A
 GIRRPT : INVESTMENT RETURN (CASH FLOW) S C712 36513A
 GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT S C712 36543A
 CAPINV : CAPITAL INVESTMENT ANALYSIS T A713 36080A
 EXDRSK : EXTENDED RISK ANALYSIS T A713 36084A
 TRUIN : TRUE ANNUAL INTEREST RATE ANALYSIS T A713 36101A
 CTC3 : CTC PROJECTION PROGRAMS *T A717 36212B
 SALSIM : SALARY SCHEDULE COST SIMULATOR T A720 36072A

FINE ARTS (EDUCATION) (850)

KEYSIG : GIVES MAJOR SCALES T A104 36258A
 MUSIC5 : FINDS DOMINANT SEVENTHS T A104 36259A
 MUSIC2 : TRIAD SOLVING PROGRAM E A850 36276A

FORECASTING TECHNIQUES (608)

SLSM : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM T A102 36004A
 LNTRND : LINEAR TREND FORECASTING T A608 36069A
 EXSM00 : EXPONENTIAL SMOOTHING ON PRICE DATA T A713 36085A

FOREIGN LANGUAGES (EDUCATION) (871)

CARLOS : COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II E C871 36175A

FORMAT

FORMAT : ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT T A104 36005B

FOURIER

CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM T A316 36028A
 RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM T A316 36029A
 GFFT : GENERAL FAST FOURIER TRANSFORM T A316 36030A

FUNCTIONS, COMPUTATION OF (306)

BESSEL : CALCULATES BESSEL FUNCTION OF FIRST KIND T A306 36019A
 POLY : POLYNOMIAL APPROXIMATION T S309 36188A
 FGRAPH : SIMULTANEOUS FUNCTION GRAPHER T A904 36165A

GAMES (903)

TWQUES : MATHEMATICAL GAME OF TWENTY QUESTIONS E B801 36130A
 BAGELS : THREE-DIGIT NUMBER GUESSING E S801 36360A
 GMCRO1 : FISCAL POLICY GAME S C830 36519A
 GMCRO2 : FISCAL POLICY GAME S C830 36519A
 GMCRO6 : ECONOMIC POLICY GAME S C830 36521A
 GMCRO5 : ECONOMIC POLICY GAME S C830 36521A
 DECAT1 : RADIOACTIVE DECAY GAME H S833 36306A
 CHARGE : CHARGE ACCOUNT SIMULATION *E F860 36604A

* Indicates NEW or REVISED since February 1973
 Stripe indicates SUPPORTED program

CROSS REFERENCE INDEX

	Volume System Number	Classification Code	Order No.		Volume System Number	Classification Code	Order No.
SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880	36002B	INVESTMENT ANALYSIS (713)			
MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880	36002B	ANNUIT : ANNUITY ANALYSIS	T	A712	36074A
RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880	36002B	EQUITY : COST OF EQUITY CAPITAL	T	A712	36083A
SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A	BNDPRC : BOND PRICE ANALYSIS	T	A713	36076B
MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A	BNDSWH : BOND SWITCH ANALYSIS	T	A713	36077A
MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A	BNDYLD : BOND YIELD ANALYSIS	T	A713	36078B
RITE : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A	BNKRSV : BANK RESERVE CALCULATIONS	T	A713	36079A
MRKSIM : MARKETING SIMULATION	E	A880	36199A	CAPINV : CAPITAL INVESTMENT ANALYSIS	T	A713	36080A
SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880	36209A	EXDRSK : EXTENDED RISK ANALYSIS	T	A713	36084A
MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880	36209A	EXSMO0 : EXPONENTIAL SMOOTHING ON PRICE DATA	T	A713	36085A
GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME	S	C880	36502A	MARKOW : SECURITIES PORTFOLIO USING MARKOWITZ MODEL	T	A713	36092A
GOLF : A GOLF GAME	T	A903	36102A	STKINC : STOCK MERGER INCENTIVE PROGRAM	T	A713	36096A
BLJACK : GAME OF TWENTY-ONE	T	A903	36103A	STKRTM : STOCK RETURNS REPORT	T	A713	36098A
BATNUM : PLAYS THE BATTLE OF NUMBERS GAME	T	A903	36105A	STKSMO : EXPONENTIAL SMOOTHING AS A STOCK GUIDE	T	A713	36099A
QUBIC : PLAYS 3-DIMENSIONAL TIC-TAC-TOE	T	A903	36106A	STKVAL : STOCK VALUE & EVALUATION REPORT	T	A713	36100A
SLOT : SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	T	A903	36107A	TRUINT : TRUE ANNUAL INTEREST RATE ANALYSIS	T	A713	36101A
SNOOPY : DRAWS SNOOPY ON THE TELEPRINTER	T	A903	36108A	DROIPB : DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	T	C713	36179A
LIFE : A GAME OF CELLULAR GENERATION GROWTH	T	A903	36138A	GCHLIN : RATING INVESTMENT FUNDS	S	C713	36503A
FTBL : FOOTBALL	T	A903	36181A	GDAPI : ABNORMAL PERFORMANCE INDEX	S	C713	36507A
BATTLE : BATTLESHIP GAME	T	A903	36236A	GDPA : EFFICIENT 'CORNER' PORTFOLIOS	S	C713	36508A
STTRI : STAR TREK	T	C903	36243A	GKASSF : WARRANT PRICE CALCULATION	S	C713	36514A
KENO : \$25,000.00 KENO GAME	T	A903	36244A	GKCOST : PRICE/EARNINGS RATIO CALCULATION	S	C713	36515A
DRAG : SIMULATES A DRAG RACE	*T	A903	36601A	GMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A
GAUSSIAN				GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A
RANDEV : GENERATES RANDOM DEVIATES-SUBROUTINE	T	A405	36050B	GSTKVL : STOCK VALUATION	S	C713	36545A
BINOP0 : PROBABILITY DISTRIBUTION COMPARISONS	T	A406	36041A	GTHDR : SECURITIES EPS GROWTH	S	C713	36553A
SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	*E	C801	36278A	GUPDQT : PLOTTING DATA	S	C713	36554A
GEOLGY (503)				VPDQ : PLOTTING DATA	S	C713	36554A
EVOLU : NATURAL SELECTION EXPERIMENT	H	S833	36301A	VRRC : INVESTMENT STRATEGY ANALYSIS	S	C713	36557A
GRAPHIC DISPLAY				GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME	S	C880	36502A
CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T	A901	36110A	VCHART : INVESTMENT DECISIONS USING TEXTRONIX 4010	S	C904	36555A
FLOT : FUNCTION PLOT	T	A904	36112A	KEYBOARD			
TITLE : CHARACTER GENERATION	T	A904	36114A	CALCOM : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T	B301	36131A
GRAPHS : DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	T	A904	36115A	CALPLT : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	B301	36131A
HPLOTB : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T	B904	72050A	CALC2 : THREE REGISTER CALCULATOR PROGRAM	T	A301	36168A
GRAPHIC EQUIPMENT TEST (205)				LABEL			
TERTES : TELETYPE-CRT DIAGNOSTIC	T	C205	36185A	ADDRESS : ADDRESS LABELS	T	A102	36231A
HISTOGRAM				LANGUAGE TRANSLATORS (SEE TRANSLATORS, LANGUAGE)			
LOGRAM : LOG-ON TAPE ANALYZER	T	A408	36001A	LEAST SQUARES			
HISTOG : A HISTOGRAM FORMED FROM A SET OF NUMBERS	T	A408	36055B	POLPTE : FITS LEAST-SQUARES POLYNOMIALS	T	A309	36246A
HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T	C904	36235A	POLFIT : FITS LEAST-SQUARES POLYNOMIALS	T	A404	36023B
HYDRAULIC ENGINEERING (511)				CURFIT : PERFORMS LEAST-SQUARES FIT	T	A404	36038C
LQUALV : COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	T	A511	36061A	MULTX : LEAST-SQUARES FIT, MULTIPLE Y'S PER X	T	A404	36186A
INFORMATION STORAGE AND RETRIEVAL (102)				LINEAR			
MACRO : A TEXT AND FILE PROCESSING SYSTEM	T	A101	36003A	SIMEQN : SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36026A
TIDE : TEXT EDITOR FOR THE 2000C	T	C101	36200B	CROUT1 : SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36027A
SLSMN : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A102	36004A	GSIMEQ : SIMULTANEOUS LINEAR EQUATIONS	S	C314	36547A
ADDRESS : ADDRESS LABELS	T	A102	36231A	REGCOR : REGRESSION/CORRELATION	T	A404	36054B
FININD : INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B	LINEAR PROGRAMMING (605)			
MESSAG : INTERTERMINAL COMMUNICATOR	*T	F102	36284A	LINPRO : LINEAR PROGRAMMING MODEL	T	A605	36068B
INTEGER				TRANSP : TRANSPORTATION PROBLEM	T	A605	36230A
STGINT : STRING-INTEGER CONVERSIONS	T	A104	36176A	GINTLP : LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	S	C605	36512A
EUCLID : COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A301	36035B	GLP : LINEAR PROGRAMMING	S	C605	36516A
SQRS : AN INTEGER AS THE SUM OF FOUR SQUARES	T	A301	36036A	GLPSA1 : LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	S	C605	36517A
FACTOR : FINDS PRIME FACTORS OF POSITIVE INTEGERS	T	A301	36037A	LNTRND : LINEAR TREND FORECASTING	T	A608	36069A
INTEGRAL TRANSFORMS (316)				LOGARITHMIC			
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316	36028A	REGCOR : REGRESSION/CORRELATION	T	A404	36054B
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316	36029A	MATHEMATICS (EDUCATION) (801)			
GFFT : GENERAL FAST FOURIER TRANSFORM	T	A316	36030A	SPHERE : SOLVES SPHERICAL TRIANGLES	T	A301	36034A
INTEGRATION				EUCLID : COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A301	36035B
BESSEL : CALCULATES BESSEL FUNCTION OF FIRST KIND	T	A306	36019A	SQRS : AN INTEGER AS THE SUM OF FOUR SQUARES	T	A301	36036A
INTGR : COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	A310	36021A	FACTOR : FINDS PRIME FACTORS OF POSITIVE INTEGERS	T	A301	36037A
ROMINT : INTEGRATES A FUNCTION (ROMBERG METHOD)	*T	A310	36022B	DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T	B312	36263A
INVENTORY ANALYSIS (708)				RNDORD : PLACING INTEGERS IN RANDOM ORDER	T	B405	36264A
REP : DATA CENTER INVENTORY REPORT GENERATOR	T	A708	36177A	MATHC : CAI MATH PACKAGE (2000B VERSION)	E	A801	20879B
IN : DATA CENTER INVENTORY REPORT GENERATOR	T	A708	36177A	MATHC : CAI MATH PACKAGE (2000C VERSION)	E	C801	24243B
CTC1 : CTC MANUFACTURING PARTS CONTROL	T	A708	36210B	TENS : DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	E	B801	36128A
CTC2 : CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	T	A708	36211B	DRILL : BASIC ARITHMETIC DRILL	E	B801	36129A
INVERSE				TWQUES : MATHEMATICAL GAME OF TWENTY QUESTIONS	E	B801	36130A
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316	36028A	WKSHT : GENERATES MATH WORKSHEETS	E	A801	36133A
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316	36029A	DIFFEQ : CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	E	A801	36159A
GFFT : GENERAL FAST FOURIER TRANSFORM	T	A316	36030A	SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E	A801	36182A
				CADAI1 : COMPUTER ASSISTED ARITHMETIC DRILL	E	A801	36205A
				CADAIM : COMPUTER ASSISTED ARITHMETIC DRILL	E	A801	36205A
				CADAI0 : COMPUTER ASSISTED ARITHMETIC DRILL	E	A801	36205A
				FACTRL : FACTORIALS TO 1000 PLACES	E	A801	36227A
				TRIFAC : FACTORING QUADRATIC TRINOMIALS	E	C801	36237A

CROSS REFERENCE INDEX

	Volume	System	Classification	Code	Other	Volume	System	Classification	Code	Other
SIPRAC : PRACTICE WITH SIGNED NUMBERS	E	C801	36238A			ORDINARY DIFFERENTIAL EQUATIONS (318)				
POLSUB : POLYNOMIAL SUBTRACTION	E	C801	36239A			DE-1OR : 1ST ORDER DIFFERENTIAL EQUATION	T	A318	36032A	
BISQAR : SQUARING BINOMIALS	E	C801	36240A			DE-2OR : 2ND ORDER DIFFERENTIAL EQUATION	T	A318	36033A	
LOGIC : LOGIC EXAMINATION PROGRAMS	E	B801	36251A			DIFFEQ : CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	E	A801	36159A	
EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	E	C801	36253A			PAYROLL ACCOUNTING (706)				
CXSYSS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E	B801	36262A			CTC4 : CTC PAYROLL PROGRAMS	*T	A706	36213B	
GAME : CLASSIC MATRIX OF GAME THEORY	E	A801	36265A			SALES : SALES COMMISSION REPORT	T	A710	36095A	
DIMIS : X-Y AXIS SEGMENT PROGRAM	E	C801	36277A			SALSIM : SALARY SCHEDULE COST SIMULATOR	T	A720	36072A	
SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	*E	C801	36278A			PERT (602)				
CRVLEN : COMPUTES LENGTH OF ANY CURVE	H	S801	36333A			CPATH : CRITICAL PATH EVALUATION	T	A603	36171B	
RATIO : SOLVES PROPORTIONS	H	S801	36336A			PHYSICS (505)				
SETS : UNION AND INTERSECTION OF SETS	H	S801	36337A			H-LIFE : HALF LIFE SIMULATION	E	A833	36134A	
SURFAC : AREA OF SURFACE OF REVOLUTION	H	S801	36338A			BFIELD : MAGNETIC FIELD PICTURE	H	S833	36312A	
VOLSOL : VOLUME OF SOLID OF REVOLUTION	H	S801	36339A			BOHR : ENERGY LEVEL DIAGRAM	H	S833	36313A	
BAGELS : THREE-DIGIT NUMBER GUESSING	E	S801	36360A			KINERV : REVIEW OF KINEMATICS	H	S833	36315A	
TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS	*E	F801	36602A			NEWTN2 : NEWTON'S 2ND LAW	H	S833	36316A	
CVAREA : AREA UNDER CURVE	*H	A801	36620A			PHOTEL : PHOTOELECTRIC EFFECT	H	S833	36317A	
LIMSIN : LIMIT OF (SIN X)/X	*H	A801	36622A			PHOTON : ENERGY LEVEL PROBLEM	H	S833	36318A	
PI : CALCULATES PI	*H	A801	36623A			REFLCT : LEAST TIME PRINCIPLE AND LIGHT	H	S833	36319A	
ROOTS2 : QUADRATIC EQUATION SOLVER	*H	A801	36625A			SNELL : SNELL'S LAW	H	S833	36320A	
SLOPE : FINDS DERIVATIVES	*H	F801	36626A			SPACE : SPACECRAFT ORBITS	H	S833	36321A	
SQRT : FINDS SQUARE ROOT	*H	A801	36627A			VFIELD : POTENTIAL FIELD PICTURE	H	S833	36322A	
STATAL : ARITHMETIC MEAN	*H	A801	36628A			VLOCY : INSTANTANEOUS VELOCITY	H	S833	36323A	
WAVES : SUM OF TWO WAVES	H	S833	36324B			ALERA : PROPAGATION OF ERROR	*E	F833	36603A	
BANK : SOLVES FINANCIAL PROBLEMS	H	S860	36329A			PLOTTING ROUTINES (904)				
STOCK : STOCK MARKET SIMULATION	H	S860	36331A			CALPLT : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	B301	36131A	
BATTLE : BATTLESHIP GAME	T	A903	36236A			GRGPLT : SIMPLE REGRESSION AND PLOT	S	C404	36542A	
MATHEMATICS, GENERAL (301)						HISTOG : A HISTOGRAM FORMED FROM A SET OF NUMBERS	T	A408	36055B	
SPHERE : SOLVES SPHERICAL TRIANGLES	T	A301	36034A			GVPDQT : PLOTTING DATA	S	C713	36554A	
EUCLID : COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A301	36035B			VPDQ : PLOTTING DATA	S	C713	36554A	
SQRS : AN INTEGER AS THE SUM OF FOUR SQUARES	T	A301	36036A			PLOTTR : FUNCTION PLOTTER	H	S810	36334B	
FACTOR : FINDS PRIME FACTORS OF POSITIVE INTEGERS	T	A301	36037A			POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM	E	A820	36155A	
CALCOM : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T	B301	36131A			KINET : KINETIC REACTION	H	S833	36309A	
CALPLT : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	B301	36131A			BFIELD : MAGNETIC FIELD PICTURE	H	S833	36312A	
CALC2 : THREE REGISTER CALCULATOR PROGRAM	T	A301	36168A			BOHR : ENERGY LEVEL DIAGRAM	H	S833	36313A	
CALC : EXTENDED PRECISION CALCULATOR	T	A302	36015A			SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT	H	A833	36351A	
LRNUM : LARGE NUMBER ADDITION & MULTIPLICATION	*T	A302	36016B			CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T	A901	36110A	
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303	36017A			SNOOPY : DRAWS SNOOPY ON THE TELEPRINTER	T	A903	36108A	
SQR(2) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303	36018A			PLOT : PLOTS A GIVEN FUNCTION ON THE TELETYPE	T	A904	36104A	
DRILL : BASIC ARITHMETIC DRILL	E	B801	36129A			FPLT : FUNCTION PLOT	T	A904	36112A	
SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E	A801	36182A			TITLE : CHARACTER GENERATION	T	A904	36114A	
FACTRL : FACTORIALS TO 1000 PLACES	E	A801	36227A			GRAPHS : DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	T	A904	36115A	
LOGIC : LOGIC EXAMINATION PROGRAMS	E	B801	36251A			FGRAPH : SIMULTANEOUS FUNCTION GRAPHER	T	A904	36165A	
EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	E	C801	36253A			PLOTWD : WORD PLOTTER	T	A904	36228A	
DIMIS : X-Y AXIS SEGMENT PROGRAM	E	C801	36277A			HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T	C904	36235A	
CRVLEN : COMPUTES LENGTH OF ANY CURVE	H	S801	36333A			PRINT : GENERATES LARGE LETTERS	*T	F904	36299A	
SURFAC : AREA OF SURFACE OF REVOLUTION	H	S801	36338A			VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010	S	C904	36555A	
VOLSOL : VOLUME OF SOLID OF REVOLUTION	H	S801	36339A			VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S	C904	36556A	
SQRT : FINDS SQUARE ROOT	*H	A801	36627A			USUB : DISPLAY ROUTINE USING TEKTRONIX 4010	S	C904	36558A	
EXPRES : EXPRESSION SOLVING PROGRAM	E	C810	36254A			VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	T	C904	36559A	
PLOTTR : FUNCTION PLOTTER	H	S810	36334B			HPLT0B : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T	B904	72050A	
QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	H	S810	36335A			HPLOT : AUTOMATIC PLOTTING PROGRAM	T	C904	72051A	
EXPNTL : CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	E	A820	36148A			POLYNOMIAL				
MATRIX OPERATIONS (312)						POLY : POLYNOMIAL APPROXIMATION	T	S309	36188A	
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312	36025A			ROOTER : FINDS THE ROOTS OF POLYNOMIALS	T	A311	36024A	
DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T	B312	36263A			POLYNOMIALS AND POLYNOMIAL EQUATIONS (311)				
DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E	A820	36166A			POLY : POLYNOMIAL APPROXIMATION	T	S309	36188A	
JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E	A820	36167A			ROOTER : FINDS THE ROOTS OF POLYNOMIALS	T	A311	36024A	
MECHANICAL ENGINEERING (514)						DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T	B312	36263A	
HTXFR : TWO DIMENSIONAL HEAT TRANSFER	T	A514	36058A			PORTFOLIO				
METRIC : CONVERTS ENGLISH TO METRIC	*T	F514	36635A			GCHLIN : RATING INVESTMENT FUNDS	S	C713	36503A	
ORBIT : INTEGRATES EQUATIONS OF MOTION	E	A833	36121A			GDPA : EFFICIENT 'CORNER' PORTFOLIOS	S	C713	36508A	
NETWORK						GMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A	
GNETFL : NETWORK FLOW	S	C604	36529A			GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A	
GTHOR : SECURITIES EPS GROWTH	S	C713	36553A			PRINTER (SEE LINE PRINTER OR TELEPRINTER)				
NON-PARAMETRIC STATISTICS (407)						PROBABILITY				
CHISQ : COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T	A407	36042A			GWBULL : SUBJECTIVE PROBABILITY - RANDOM VALUES	S	C405	36551A	
CHISQS : CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T	A407	36043B			GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION	S	C406	36549A	
STAT2 : MANN-WHITNEY 2 SAMPLE RANK TEST	T	A407	36052A			PROBABILITY DISTRIBUTION SAMPLING (406)				
STAT3 : SPEARMAN RANK CORRELATION COEFFICIENTS	T	A407	36053A			BINOP0 : PROBABILITY DISTRIBUTION COMPARISONS	T	A406	36041A	
FISHER : FISHER'S EXACT PROBABILITY TEST	*T	F407	36606A			GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION	S	C406	36549A	
NUMERICAL DIFFERENTIATION (317)						CHISQ : COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T	A407	36042A	
DERIV : DERIVATIVE OF A FUNCTION AT A POINT	T	A317	36031A			CHISQS : CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T	A407	36043B	
NUMERICAL INTEGRATION (310)						PRINTER (SEE LINE PRINTER OR TELEPRINTER)				
INTGRT : COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	A310	36021A			PROBABILITY				
ROMINT : INTEGRATES A FUNCTION (ROMBERG METHOD)	*T	A310	36022B			GWBULL : SUBJECTIVE PROBABILITY - RANDOM VALUES	S	C405	36551A	
OPTIMIZATION PROGRAMS (604)						GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION	S	C406	36549A	
GNETFL : NETWORK FLOW	S	C604	36529A			PROBABILITY DISTRIBUTION SAMPLING (406)				

CROSS REFERENCE INDEX

PROGRAMMING AIDS (212)

FINDT	:	INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B
DATA	:	DUMPS FILE TO DATA STATEMENTS	*T	F212	36287A
TUTOR	:	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25	E	A810	36139A

PROGRAMMING AND COMPUTER SCIENCE (EDUCATION) (810)

CALC2	:	THREE REGISTER CALCULATOR PROGRAM	T	A301	36168A
STOP	:	TIES MATH CALCULATOR PACKAGE	E	A810	36014A
TUTOR	:	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25	E	A810	36139A
STOPB	:	MATH CALCULATOR PACKAGE	E	A810	36208A
BRAIN	:	BRAIN SIMULATOR PROGRAM	E	C810	36219A
EXPRES	:	EXPRESSION SOLVING PROGRAM	E	C810	36254A
PLOTTR	:	FUNCTION PLOTTER	H	S810	36334B
QUADT	:	NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	H	S810	36335A

QUALITY ASSURANCE PERFORMANCE ANALYSIS (702)

AVERG1	:	AVERAGES AND CURVES GRADES	H	S720	36340A
--------	---	----------------------------	---	------	--------

RANDOM NUMBER GENERATORS (405)

RANDEV	:	GENERATES RANDOM DEVIATES-SUBROUTINE	T	A405	36050B
RANDOM	:	RANDOM NUMBER GENERATOR	T	A405	36203A
RNDORD	:	PLACING INTEGERS IN RANDOM ORDER	T	B405	36264A
GBULL	:	SUBJECTIVE PROBABILITY - RANDOM VALUES	S	C405	36551A

RANK

STAT2	:	MANN-WHITNEY 2 SAMPLE RANK TEST	T	A407	36052A
STAT3	:	SPEARMAN RANK CORRELATION COEFFICIENTS	T	A407	36053A
GRANK	:	RANKING STATISTICS	S	C408	36541A

REAL

ROOTS2	:	QUADRATIC EQUATION SOLVER	*H	A801	36625A
--------	---	---------------------------	----	------	--------

RECURSIVE

ROMINT	:	INTEGRATES A FUNCTION (ROMBERG METHOD)	*T	A310	36022B
--------	---	--	----	------	--------

REGRESSION ANALYSIS (404)

POLFIT	:	FITS LEAST-SQUARES POLYNOMIALS	T	A404	36023B
CURFIT	:	PERFORMS LEAST-SQUARES FIT	T	A404	36038C
REGCOR	:	REGRESSION/CORRELATION	T	A404	36054B
MULREG	:	MULTIPLE REGRESSION/CORRELATION	T	A404	36178A
MULTX	:	LEAST-SQUARES FIT, MULTIPLE Y'S PER X	T	A404	36186A
GRPLT	:	SIMPLE REGRESSION AND PLOT	S	C404	36542A
GCHLIN	:	RATING INVESTMENT FUNDS	S	C713	36503A
VRRC	:	INVESTMENT STRATEGY ANALYSIS	S	C713	36557A
VREGPL	:	PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S	C904	36556A

REPORT GENERATORS (005)

LOGRAM	:	LOG-ON TAPE ANALYZER	T	A408	36001A
--------	---	----------------------	---	------	--------

RETURN

GIRRPV	:	INVESTMENT RETURN (CASH FLOW)	S	C712	36513A
GCHLIN	:	RATING INVESTMENT FUNDS	S	C713	36503A

RISK

GRISKA	:	RISK ANALYSIS IN CAPITAL INVESTMENT	S	C712	36543A
GMRVB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A
GMRGB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A
VRRC	:	INVESTMENT STRATEGY ANALYSIS	S	C713	36557A

ROOTS

SQR(Z)	:	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303	36018A
ROOTS	:	FINDS THE ROOTS OF POLYNOMIALS	T	A311	36024A
ROOTS2	:	QUADRATIC EQUATION SOLVER	*H	A801	36625A

RUNGE-KUTTA

DE-10R	:	1ST ORDER DIFFERENTIAL EQUATION	T	A318	36032A
DE-20R	:	2ND ORDER DIFFERENTIAL EQUATION	T	A318	36033A

SALES FORECASTING (710)

SLSMN	:	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A102	36004A
SALES	:	SALES COMMISSION REPORT	T	A710	36095A

SCIENCE (EDUCATION) (833)

SUNSET	:	SUNRISE-SUNSET PREDICTOR	T	S509	36180A
ORBIT	:	INTEGRATES EQUATIONS OF MOTION	E	B833	36121A
H-LIFE	:	HALF LIFE SIMULATION	E	B833	36134A
SPCTRA	:	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	E	B833	36184A
IONIC	:	DRILL ON FORMULAS AND CHARGES OF IONS	E	B833	36260A
ISOMER	:	DRILL ON NAMING ALKANES	E	B833	36261A
IONIC1	:	DRILL ON FORMULAS OF IONIC COMPOUNDS	E	B833	36266A
ELMENT	:	DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	E	B833	36267A
CHEM	:	SELF-CORRECTING CHEMISTRY TEST	*E	F833	36295A
DROS	:	GENETIC CHARACTERISTICS	H	S833	36300A
EVOLU	:	NATURAL SELECTION EXPERIMENT	H	S833	36301A

GAMGN	:	PROCESS OF GAMETOGENESIS	H	S833	36302A
NZYMC	:	ENZYMATIC REACTION RATES	H	S833	36303A
NZYM2	:	ENZYME REACTION RATE	H	S833	36304A
PHOSYN	:	PHOTOSYNTHESIS EXPERIMENT	H	S833	36305A
DECAY1	:	RADIOACTIVE DECAY GAME	H	S833	36306A
DECAY2	:	NUCLEAR DECAY	H	S833	36307A
EQUIL1	:	EQUILIBRIUM SYSTEMS	H	S833	36308A
EQUIL2	:	EQUILIBRIUM SYSTEMS	H	S833	36308A
KINET	:	KINETIC REACTION	H	S833	36309A
MASSD	:	MASS DEFECT	H	S833	36310A
PRCNT	:	PERCENT COMPOSITION	H	S833	36311A
BFIELD	:	MAGNETIC FIELD PICTURE	H	S833	36312A
BOHR	:	ENERGY LEVEL DIAGRAM	H	S833	36313A
CALOR1	:	CALORIMETRY EXPERIMENT	H	S833	36314A
KINERV	:	REVIEW OF KINEMATICS	H	S833	36315A
NEWTN2	:	NEWTON'S 2ND LAW	H	S833	36316A
PHOTEL	:	PHOTOELECTRIC EFFECT	H	S833	36317A
PHOTON	:	ENERGY LEVEL PROBLEM	H	S833	36318A
REFLCT	:	LEAST TIME PRINCIPLE AND LIGHT	H	S833	36319A
SNELL	:	SNELL'S LAW	H	S833	36320A
SPACE	:	SPACECRAFT ORBITS	H	S833	36321A
VFIELD	:	POTENTIAL FIELD PICTURE	H	S833	36322A
VLOCY	:	INSTANTANEOUS VELOCITY	H	S833	36323A
WAVES	:	SUM OF TWO WAVES	H	S833	36324B
CLOUDS	:	CLOUD FORMATION	H	S833	36325A
WATER1	:	WATER BUDGET PROBLEM CHECK	H	S833	36326A
WATER2	:	WATER BUDGET	H	S833	36327A
PLANK	:	A PHOTOELECTRIC SIMULATION	H	S833	36350A
SLITS	:	YOUNG'S DOUBLE SLIT EXPERIMENT	H	S833	36351A
AFLIFE	:	JOHN CONWAY'S GAME OF LIFE	E	S833	36353A
ALERA	:	PROPAGATION OF ERROR	*E	F833	36603A
MEMBR	:	DIFFUSION EXPERIMENT	*H	A833	36611A
ATWT	:	CALCULATES ATOMIC WEIGHT	*H	A833	36613A
AVOGA	:	AVOGADRA'S NUMBER	*H	A833	36614A
EMPIR	:	CALCULATES EMPIRICAL FORMULAS	*H	A833	36615A
MOLAR	:	ACID-BASE TITRATION	*H	A833	36616A
PHPOH	:	PH, POH, PCT, DISSOCIATION	*H	A833	36617A
STOICH	:	MASS VOLUME	*H	A833	36618A
EFIELD	:	ELECTRIC FIELD STRENGTH	*H	A833	36629A
LENSES	:	SOLVES LENS PROBLEMS	*H	A833	36630A
PRJTL	:	PROJECTILE MOTION	*H	A833	36631A
POLUT	:	WATER POLLUTION SIMULATION	*H	F833	36639A
STERL	:	FLY POPULATION CONTROL	*H	F833	36641A
GENE1	:	GENETICS SIMULATION	*H	F833	36642A

SCOPE (SEE OSCILLOSCOPE)

SECURITIES

GDAP1	:	ABNORMAL PERFORMANCE INDEX	S	C713	36507A
GDPA	:	EFFICIENT 'CORNER' PORTFOLIOS	S	C713	36508A
GKSSF	:	WARRANT PRICE CALCULATION	S	C713	36514A
GKOST	:	PRICE/EARNINGS RATIO CALCULATION	S	C713	36515A
GMRVB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A
GMRGB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A
GSTKVL	:	STOCK VALUATION	S	C713	36545A
VRRC	:	INVESTMENT STRATEGY ANALYSIS	S	C713	36557A
GSPMG	:	STANFORD PORTFOLIO MANAGEMENT GAME	S	C880	36502A

SIMPSON

BESSEL	:	CALCULATES BESSEL FUNCTION OF FIRST KIND	T	A306	36019A
INTGRT	:	COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	A310	36021A

SIMULATION

RANDEV	:	GENERATES RANDOM DEVIATES-SUBROUTINE	T	A405	36050B
GVOTE	:	COMMITTEE CHOICE ANALYSIS	S	C606	36550A
GSSS	:	SMALL SYSTEMS SIMULATOR	S	C607	36552A
GRISKA	:	RISK ANALYSIS IN CAPITAL INVESTMENT	S	C712	36543A
BRAIN	:	BRAIN SIMULATOR PROGRAM	E	C810	36219A
GMCRO1	:	FISCAL POLICY GAME	S	C830	36519A
GMCRO2	:	FISCAL POLICY GAME	S	C830	36519A
GMCRO6	:	ECONOMIC POLICY GAME	S	C830	36521A
GMCRO5	:	ECONOMIC POLICY GAME	S	C830	36521A
PHOTEL	:	PHOTOELECTRIC EFFECT	H	S833	36317A
PLANK	:	A PHOTOELECTRIC SIMULATION	H	S833	36350A
SLITS	:	YOUNG'S DOUBLE SLIT EXPERIMENT	H	A833	36351A
CHARGE	:	CHARGE ACCOUNT SIMULATION	*E	F860	36604A
SETUP	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880	36002B
MANAG	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880	36002B
RITE	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880	36002B
SETUPB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A
MANAGB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A
MANAGU	:	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880	36193A
RITET	:	MARKETING SIMULATION GAME FOR THE 2000B	E	B880	36193A
MRKSIM	:	MARKETING SIMULATION	E	A880	36199A
SETUPC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880	36209A
MANAGC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880	36209A
LABOR	:	LABOR/MANAGEMENT BARGAINING	E	A880	36233A
SLOT	:	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	T	A903	36107A

SIMULTANEOUS

SIMEQN	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36026A
CROUTI	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36027A

CROSS REFERENCE INDEX

SOCIAL SCIENCE (EDUCATION) (860)

	Volume	System	Simulation	Class	Code	File
WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM		E	B860	36187A
BALANC	:	TRADE AND PAYMENT BALANCES		H	S860	36328A
BANK	:	SOLVES FINANCIAL PROBLEMS		H	S860	36329A
CONSPM	:	DEPRESSION/EQUILIBRIUM		H	S860	36330A
STOCK	:	STOCK MARKET SIMULATION		H	S860	36331A
CHARGE	:	CHARGE ACCOUNT SIMULATION		*E	F860	36604A
POLSYS	:	SIMULATION OF CITY COUNCIL		*H	F860	36640A

SOLUTION

SIMEQN	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS		T	A314	36026A
CROUTI	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS		T	A314	36027A

SORTING AND MERGING (107)

FINDIT	:	INFORMATION RETRIEVAL SYSTEM		*T	C102	36250B
SORT	:	FILE SERIAL STRING SORT		T	C107	36122A
STGSRT	:	SORTS STRINGS FROM FILES		T	C107	36145A
FILSOR	:	FILE POINTER SORT/POINTER SORT		T	A107	36206A
POISOR	:	FILE POINTER SORT/POINTER SORT		T	A107	36206A
IRV	:	FILE SORT ROUTINE		T	C107	36232A
ALPHA	:	ALPHANUMERIC SORT		*T	A107	36292A
REP	:	DATA CENTER INVENTORY REPORT GENERATOR		T	A708	36177A
IN	:	DATA CENTER INVENTORY REPORT GENERATOR		T	A708	36177A

STATISTICS, GENERAL (408)

REGCOR	:	REGRESSION/CORRELATION		T	A404	36054B
CHISQ	:	COMPUTES PROBABILITY OF CHI-SQUARE VALUES		T	A407	36042A
CHISQS	:	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES		T	A407	36043B
LOGRAM	:	LOG-ON TAPE ANALYZER		T	A408	36001A
GEOMEN	:	STATISTICS OF GEOMETRIC DISTRIBUTION		T	A408	36045A
HISTOG	:	A HISTOGRAM FORMED FROM A SET OF NUMBERS		T	A408	36055B
FC	:	ANALYSIS OF LOG TAPE		T	A408	36120A
SCORES	:	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES		T	A408	36136A
KR20	:	ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY		T	A408	36137A
FRQ	:	FREQUENCY BETWEEN BOUNDRIES		T	A408	36191B
GRANK	:	RANKING STATISTICS		S	C408	36541A
GANOVA	:	ANALYSIS OF VARIANCE (2-WAY)		S	C410	36501A
AVERGI	:	AVERAGES AND CURVES GRADES		H	S720	36340A
FREQ	:	BAR GRAPHS OF GRADES		H	S720	36341A
GRADE	:	TEST GRADE FOR NUMBER OF QUESTIONS		H	S720	36342A
ITEMI	:	NUMBER FREQUENCIES		H	S720	36343A
STAT	:	STATISTICAL ANALYSIS OF LAB DATA		H	S720	36344A
HISS	:	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS		T	C904	36235A

STRING

MACRO	:	A TEXT AND FILE PROCESSING SYSTEM		T	A101	36003A
FORMAT	:	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT		T	A104	36005B
STGINT	:	STRING-INTEGER CONVERSIONS		T	A104	36176A
STGSRT	:	SORTS STRINGS FROM FILES		T	C107	36145A

SYSTEM THEORY (519)

TMFCEV	:	TIME FUNCTION EVALUATOR		T	A519	36063A
--------	---	-------------------------	--	---	------	--------

SYSTEMS OF LINEAR EQUATIONS (314)

SIMEQN	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS		T	A314	36026A
CROUTI	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS		T	A314	36027A
SOLVIT	:	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION		T	A314	36196A
GSIMEQ	:	SIMULTANEOUS LINEAR EQUATIONS		S	C314	36547A
CXSYS	:	SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS		E	B801	36262A
SYSSOL	:	SOLVING SYSTEMS OF LINEAR EQUATIONS		*E	C801	36278A

TABLE HANDLING (103)

JULIAN	:	JULIAN CALENDAR FOR THE CURRENT YEAR		T	A108	36197A
--------	---	--------------------------------------	--	---	------	--------

TAPE (SEE MAGNETIC TAPE OR PAPER TAPE)

TEKTRONIX

VCHART	:	INVESTMENT DECISIONS USING TEKTRONIX 4010		S	C904	36555A
VREGPL	:	PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010		S	C904	36556A
VSUB	:	DISPLAY ROUTINE USING TEKTRONIX 4010		S	C904	36558A
VTTT	:	TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL		T	C904	36559A

TELECOMMUNICATIONS EQUIPMENT TEST (217)

TESTTY	:	TESTS THE OPERATION OF A REMOTE TELETYPE		T	A217	36013A
--------	---	--	--	---	------	--------

TELEPRINTER

FILOAD	:	LOADS A FILE FROM THE TELETYPE		T	A110	36010C
FILREA	:	REENTERS THE DATA TAPE DUMPED BY FILDUM		T	A110	36011A
TESTTY	:	TESTS THE OPERATION OF A REMOTE TELETYPE		T	A217	36013A

TEST (SEE SPECIFIC TYPE OF TEST)

TEST SCORING

SCORES	:	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES		T	A408	36136A
FREQ	:	BAR GRAPHS OF GRADES		H	S720	36341A
GRADE	:	TEST GRADE FOR NUMBER OF QUESTIONS		H	S720	36342A
ITEMI	:	NUMBER FREQUENCIES		H	S720	36343A

TESTS OF HYPOTHESIS

T-TEST	:	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION		T	A401	36170A
--------	---	--	--	---	------	--------

TRIGONOMETRY

SPHERE	:	SOLVES SPHERICAL TRIANGLES		T	A301	36034A
FNCTS	:	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS		T	A303	36017A
SAT	:	TRIGONOMETRIC SOLUTIONS OF TRIANGLES		E	A801	36182A

UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS (401)

T-TEST	:	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION		T	A401	36170A
BINOPO	:	PROBABILITY DISTRIBUTION COMPARISONS		T	A406	36041A
CHISQS	:	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES		T	A407	36043B

VECTOR ARITHMETIC (SEE COMPLEX ARITHMETIC)

VOCATIONAL (EDUCATION) (890)

WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM		E	B860	36187A
--------	---	--------------------------------------	--	---	------	--------

VOLTMETER (SEE DIGITAL VOLTMETER)

ALPHABETICAL SUMMARY

Volume	Name	Title	Volume	System Specification	Class	Code	Order No.	Volume	Name	Title	Volume	System Specification	Class	Code	Order No.
T	-ASCII	: ASCII CODE GENERATOR	(C104)				36257A	E	DIFFEQ	: CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	(A801)				36159A
E	AC-1	: COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	(A820)				36152A	E	DIMIS	: X-Y AXIS SEGMENT PROGRAM	(C801)				36277A
T	ACNODE	: AC CIRCUIT ANALYSIS PROGRAM	(A513)				36057A	*T	DRAG	: SIMULATES A DRAG WACE	(A903)				36601A
*T	ACTFIL	: ACTIVE FILTER DESIGN	(F513)				36293A	E	ORILL	: BASIC ARITHMETIC DRILL	(H001)				36129A
T	ADDRESS	: ADDRESS LABELS	(A102)				36231A	T	DWOTPR	: DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	(C713)				36179A
E	AFLIFE	: JOHN CONWAY'S GAME OF LIFE	(S833)				36353A	H	DWOS	: GENETIC CHARACTERISTICS	(S833)				36300A
*E	ALERA	: PROPAGATION OF ERROR	(F833)				36603A	E	DWORS	: CAI IN VOLTAGE AND CURRENT DIVIDERS	(A820)				36156A
*T	ALFTOV	: ALPHA TO VARIABLE CONVEPSTON	(F104)				36296A	T	DYNPRO	: DYNAMIC PROGRAMMING MODEL	(A610)				36067A
*T	ALPHA	: ALPHANUMERIC SORT	(A107)				36292A	*M	EFIELD	: ELECTRIC FIELD STRENGTH	(A833)				36229A
T	ANALAD	: CIRCUIT ANALYSIS	(A513)				36056A	E	ELEMENT	: DRILL ON SYMMBOLS FOR CHEMICAL ELEMENTS	(H833)				36267A
*T	ANCOV	: ANALYSIS OF COVARIANCE	(A410)				36294A	*M	EMPIR	: CALCULATES EMPIRICAL FORMULAS	(A833)				36615A
T	ANNUIT	: ANNUITY ANALYSIS	(A712)				36074A	H	EQUIL1	: EQUILIBRIUM SYSTEMS	(S833)				36308A
*T	ANVAR3	: THREE FACTORIAL ANALYSIS OF VARIANCE	(F410)				36271A	H	EQUIL2	: EQUILIBRIUM SYSTEMS	(S833)				36308A
T	ANVAR4	: ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	(A410)				36039B	T	EQUITY	: COST OF EQUITY CAPITAL	(A712)				36083A
T	ANVAR2	: ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	(A410)				36040B	T	EUCLID	: COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	(A301)				36035B
T	ANVAR3	: ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	(A410)				36172A	H	EVOLU	: NATURAL SELECTION EXPERIMENT	(S833)				36301A
T	ANVAR4	: TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	(A410)				36173A	T	EXDRSK	: EXTENDED RISK ANALYSIS	(A713)				36094A
T	ASCII	: CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	(C104)				36256B	T	EXEC	: CAI EXECUTIVE PACKAGE	(C600)				36243B
E	ATTEND	: ABSENTEE LISTING	(C720)				36202A	T	EXPND	: BUDGET EXPENDITURES VS. TARGETS MONITOR	(A716)				36111A
*H	ATWT	: CALCULATES ATOMIC WEIGHT	(A833)				36613A	E	EXPNTL	: CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	(A820)				36148A
H	AVERGI	: AVERAGES AND CURVES GRADES	(S720)				36340A	E	EXPRES	: EXPRESSION SOLVING PROGRAM	(C810)				36254A
*H	AVOGA	: AVOGADORA'S NUMBER	(A833)				36144A	T	EXSMO	: EXPONENTIAL SMOOTHING ON PRICE DATA	(A713)				36085A
E	BAGELS	: THREE-DIGIT NUMBER GUESSING	(S801)				36360A	E	EXTEND	: INFINITE PRECISION MATH UTILITY PROGRAM	(C801)				36253A
H	BALANC	: TRADE AND PAYMENT BALANCES	(S860)				36328A	T	EXTPRE	: 40-DIGIT PRECISION MATHEMATICS	(A302)				36144A
T	BALSMT	: PROFORMA INCOME STATEMENT AND BALANCE SHEET	(A712)				36075A	T	FACTOR	: FINDS PRIME FACTORS OF POSITIVE INTEGERS	(A301)				36037A
H	BANK	: SOLVES FINANCIAL PROBLEMS	(S860)				36329A	F	FACTRL	: FACTORIALS TO 1000 PLACES	(A601)				36227A
T	BASTES	: BASIC TEST PROGRAM	(A211)				36116A	T	FC	: ANALYSIS OF LOG TAPE	(A408)				36120A
T	BATNUM	: PLAYS THE HATTLE OF NUMBERS GAME	(A903)				36105A	T	FGRAPH	: SIMULTANEOUS FUNCTION GRAPHER	(A904)				36165A
T	BATTLE	: HATTLESHIP GAME	(A903)				36236A	T	FIFTY!	: EXTENDED PRECISION FACTORIAL	(A901)				36169A
T	BEMDES	: RECOMMENDS CORRECT STEEL HEAM USE	(A515)				36109A	T	FILDUM	: PAPER TAPE FILE DUMP	(A110)				36008C
T	BESSEL	: CALCULATES BESSEL FUNCTION OF FIRST KIND	(A306)				36019A	T	FILLN	: KEYBOARD FILE LOADING PROGRAM	(A110)				36007A
H	BFIELD	: MAGNETIC FIELD PICTURE	(S833)				36312A	T	FILIS	: FILE LISTING PROGRAM/INSTRUCTIONS	(C104)				36272A
T	BINOPO	: PROBABILITY DISTRIBUTION COMPARISONS	(A406)				36041A	T	FILIS1	: FILE LISTING PROGRAM/INSTRUCTIONS	(C108)				36272A
E	BISQAN	: SQUARING BINOMIALS	(C801)				36240A	T	FILIST	: LISTS FILE CONTENTS BY RECORD NUMBER	(A110)				36009C
T	HLJACK	: GAME OF TWENTY-ONE	(A903)				36103A	T	FILMAN	: FILE MANAGER	(A110)				36006A
T	BNDPRC	: BOND PRICE ANALYSIS	(A713)				36076B	T	FILDUM	: LOADS A FILE FROM THE TELETYPE	(A110)				36010C
T	BNDSWH	: BOND SWITCH ANALYSIS	(A713)				36077A	T	FILRPT	: REENTERS THE DATA TAPE DUMPED BY FILDUM	(A110)				36011A
T	BNDYLD	: BOND YIELD ANALYSIS	(A713)				36078B	T	FILSOR	: FILE POINTER SORT/POINTER SORT	(F110)				36247A
T	BNKRSV	: BANK RESEKVF CALCULATIONS	(S833)				36079A	*T	FINDIT	: INFORMATION RETRIEVAL SYSTEM	(A107)				36206A
H	BHR	: ENERGY LEVEL DIAGRAM	(C810)				36213A	*T	FINDPT	: FISHER'S EXACT PROBABILITY TEST	(C102)				36250B
E	BRAIN	: BRAIN SIMULATOR PROGRAM	(C810)				36214A	T	FISHER	: COPIES ONE FILE INTO ANOTHER	(A110)				36012B
T	BUDGET	: DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	(A716)				36073A	T	FUNCT	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	(A303)				36017
E	CADAIL	: COMPUTER ASSISTED ARITHMETIC DRILL	(A801)				36205A	T	FORMT	: ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	(A104)				36005B
E	CADAIL	: COMPUTER ASSISTED ARITHMETIC DRILL	(A801)				36205A	T	FLOT	: FUNCTION PLOT	(A904)				36112A
E	CADAILP	: COMPUTER ASSISTED ARITHMETIC DRILL	(A801)				36205A	H	FREQ	: BAR GRAPHS OF GRADES	(F70)				36341A
T	CALC	: EXTENDED PRECISION CALCULATOR	(A302)				36015A	T	FREQ	: FREQUENCY BETWEEN BOUNDRIES	(A408)				36191B
T	CALC2	: THREE REGISTER CALCULATOR PROGRAM	(A301)				36168A	T	FTBL	: FOOTBALL	(A903)				36181A
T	CALCOM	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	(A301)				36131A	E	GAME	: CLASSIC MATRIX OF GAME THEORY	(A801)				36265A
*T	CALNDR	: PRINTS A CALENDAR	(F108)				36288A	H	GAMGN	: PROCESS OF GAMETOGENESIS	(S833)				36302A
H	CALORT	: CALORIMETHY EXPERIMENT	(S833)				36314A	S	GANOVA	: ANALYSIS OF VARIANCE (2-WAY)	(C410)				36501A
T	CALPLT	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	(H301)				36131A	S	GCALIN	: RATING INVESTMENT FUNDS	(C713)				36503A
T	CANNON	: HP 7200A GAME DEMO FOR TIME-SHARED BASIC	(A901)				36110A	S	GCPATH	: CRITICAL PATH ANALYSIS	(C603)				36504A
T	CAPINV	: CAPITAL INVESTMENT ANALYSIS	(A713)				36080A	S	GCPM	: CRITICAL PATH ANALYSIS	(C603)				36505A
E	CARLOS	: COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	(C871)				36175A	S	GDAPI	: ABNORMAL PERFORMANCE INDEX	(C713)				36507A
T	CDETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	(A312)				36025A	S	GDDA	: EFFICIENT 'CORNER' PORTFOLIOS	(C713)				36508A
*E	CHANGE	: CHARGE ACCOUNT SIMULATION	(F860)				36604A	*H	GENE1	: GENETICS SIMULATION	(F833)				36642A
T	CHARS	: ASCII CHARACTER SET	(C104)				36220A	T	GEOMEN	: STATISTICS OF GEOMETRIC DISTRIBUTION	(A408)				36045A
*E	CHEM	: SELF-CORRECTING CHEMISTRY TEST	(F833)				36295A	T	GFFT	: GENERAL FAST FOURIER TRANSFORM	(A316)				36030A
T	CHISQ	: COMPUTES PROBABILITY OF CHI-SQUARE VALUES	(A407)				36042B	S	GFNRT	: FINANCIAL RATIOS	(C712)				36510A
T	CHISQS	: CHI-SQUARE STATISTICS FOR NON CONTINGENCY TABLES	(A407)				36043B	S	GINTLP	: LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	(C605)				36512A
*H	CIRFLW	: CIRCULAR FLOW MODEL	(A830)				36632A	S	GIPRPV	: INVESTMENT RETURN (CASH FLOW)	(C712)				36513A
H	CLOUDS	: CLOUD FORMATION	(S833)				36325A	S	GRASSF	: WARRANT PRICE CALCULATION	(C713)				36514A
*T	COLREG	: COLLEGE REGISTRATION DEMO	(F720)				36282A	S	GKCOST	: PRICE/EARNINGS RATIO CALCULATION	(C713)				36515A
E	COMPLX	: CAI IN ALGEBRA OF COMPLEX NUMBERS	(A820)				36153A	S	GLP	: LINEAR PROGRAMMING	(C605)				36516A
H	CONSMP	: DEPRESSION/EQUILIBRIUM	(S860)				36330A	S	GLPSA1	: LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	(C605)				36517A
T	CPATH	: CRITICAL PATH EVALUATION	(A603)				36171B	T	GMARKS	: GSB GRADING PROGRAM	(C720)				36518A
T	CROUT1	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	(A314)				36027A	S	GMCR01	: FISCAL POLICY GAME	(C830)				36519A
H	CRVLEN	: COMPUTES LENGTH OF ANY CURVE	(S801)				36333A	S	GMCR02	: FISCAL POLICY GAME	(C830)				36519A
T	CSHFL	: CASH FLOW ANALYSIS	(A712)				36142B	S	GMCR05	: ECONOMIC POLICY GAME	(C830)				36521A
T	CTC1	: CTC MANUFACTURING PARTS CONTROL	(A708)				36210B	S	GMCR06	: ECONOMIC POLICY GAME	(C830)				36521A
T	CTC2	: CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	(A708)				36211B	T	GMDIT	: GSB GRADING PROGRAM	(C720)				36518A
*T	CTC3	: CTC PROJECTION PROGRAMS	(A717)				36212B	S	GMRGB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	(C713)				36530A
*T	CTC4	: CTC PAYROLL PROGRAMS	(A706)				36213B	S	GNETFL	: NETWORK FLOW	(C604)				36529A
T	CTCS	: CTC ACCOUNTS RECEIVABLE	(A711)				36214B	S	GNMVB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	(C713)				36530A
*T	CTC6	: CTC ACCOUNTS PAYABLE	(F709)				36638A	T	GNPSUM	: GROSS NATIONAL PRODUCT SUMMARY	(A714)				36086A
T	CIRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	(A316)				36028A	T	GOLF	: A GOLF GAME	(A903)				36102A
T	CURFIT	: PERFORMS LEAST-SQUARES FIT	(A404)				36038C	H	GRADE	: TEST GRADE FOR NUMBER OF QUESTIONS MISSED	(S720)				36342A
*H	CVAREA	: AREA UNDER CURVE	(A801)				36620A	S	GRANK	: RANKING STATISTICS	(C408)				36541A
T	CXARTH	: VECTOR ARITHMETIC	(A303)				36118A	T	GRAPHS	: DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	(A904)				36115A
T	CXEXP	: VECTOR EXPONENTIATION	(A303)				36119A	S	GRGFLT	: SIMPLE REGRESSION AND PLOT	(C404)				36542A
E	CXSYSS	: SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	(H801)				36262A	S	GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT	(C712)				36543A
*T	DATA	: DUMPS FILE TO DATA STATEMENTS	(F212)				36287A	S	GSIIME	: SIMULTANEOUS LINEAR EQUATIONS	(C314)				36547A
*T	DATER	: DATE AND DAY OF THE WEEK	(F104)				36298A	S	GSPMG	: STANFORD PORTFOLIO MANAGEMENT GAME	(C880)				36502A
T	DATES	: COMPUTES DATE FROM SYSTEM CLOCK	(A104)				36117A	S	GSSS	: SMALL SYSTEMS SIMULATOR	(C607)				36552A
T	DE-10R	: 1ST ORDER DIFFERENTIAL EQUATION	(H818)				36032A	S	GSTKVL	: STOCK VALUATION	(C713)				36545A
T	DE-20R	: 2ND ORDER DIFFERENTIAL EQUATION	(A318)				36033A	T	GTAIPD	: PAPER TAPE TITLER	(C104)				36548A
T	DEBYE	: COMPUTES DEBYE OR EINSTEIN FUNCTION	(A516)				36059A	S	GTPASD	: SUBJECTIVE PROBABILITY DISTRIBUTION	(C406)				36549A
H	DECAY1	: RADIOACTIVE DECAY GAME	(S833)				36306A	S	GTHOR	: SECURITIES EPS G					

ALPHABETICAL SUMMARY

T HPMUT : LIST/DUMP HP ASSEMBLER FILES	(A108)	36218A	T REGCOR : REGRESSION/CORRELATION	(A404)	36054B
T HPLOT : AUTOMATIC PLOTTING PROGRAM	(C904)	32951A	T REP : DATA CENTER INVENTORY REPORT GENERATOR	(A708)	36177A
T HTXFR : TWO DIMENSIONAL HEAT TRANSFER	(A514)	36058A	E RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B
T IATA.1 : CALCULATE AIR FREIGHT RATES	(C718)	36164B	E RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A
T IATA.C : CALCULATES BREAKPOINT OF IATA CONTAINERS	(C718)	36241A	I RNDORD : PLACING INTEGERS IN RANDOM ORDER	(H405)	36264A
E IOP : INSTRUCTIONAL DIALOGUE FACILITY	(C800)	24241B	E RNET : NETWORK SIMULTANEOUS EQUATIONS	(A820)	36158A
T IN : DATA CENTER INVENTORY REPORT GENERATOR	(A708)	36177A	*T ROMINT : INTEGRATES A FUNCTION (ROMBERG METHOD)	(A310)	36022B
T IN/OUT : INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	(A714)	36088A	T ROOTER : FINDS THE ROOTS OF POLYNOMIALS	(A311)	36024A
T INACNT : NATIONAL INCOME & PRODUCT ACCOUNTS	(A714)	36087A	*M ROOTSP : QUADRATIC EQUATION SOLVER	(A801)	36625A
E INDMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	(A820)	36154A	T RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM	(A316)	36029A
T INSTMT : INCOME STATEMENT	(A712)	36089B	T SALES : SALES COMMISSION REPORT	(A710)	36095A
T INTGR : COMPUTES NUMERIC INTEGRAL OF A FUNCTION	(A310)	36021A	T SALSIM : SALARY SCHEDULE COST SIMULATOR	(A720)	36072A
E IONIC : DRILL ON FORMULAS AND CHARGES OF IONS	(H833)	36260A	E SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	(A801)	36182A
E IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS	(H833)	36266A	T SCORES : COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	(A408)	36136A
T IRV : FILE SORT ROUTINE	(C107)	36232A	H SETS : UNION AND INTERSECTION OF SETS	(S801)	36337A
E ISOMER : DRILL ON NAMING ALKANES	(H833)	36261A	E SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B
H ITEM1 : NUMBER FREQUENCIES	(S720)	36343A	E SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A
E JACORI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	(A820)	36167A	E SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	(C880)	36209A
*T JULI : ONE PAGE JULIAN CALENDAR	(F108)	36279A	T SETUPD : SOLVES SIMULTANEOUS LINEAR EQUATIONS	(A314)	36026A
T JULIAN : JULIAN CALENDAR FOR THE CURRENT YEAR	(A108)	36197A	E SIPACH : PRACTICE WITH SIGNED NUMBERS	(C801)	36238A
T KENO : \$25,000.00 KENO GAME	(A903)	36244A	H SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT	(A833)	36351A
T KEYSIG : GIVES MAJOR SCALES	(A104)	36258A	*H SLOPE : FINDS DERIVATIVES	(A801)	36626A
H KINERV : REVIEW OF KINEMATICS	(S833)	36315A	T SLOT : SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	(A903)	36107A
H KINET : KINETIC REACTION	(S833)	36309A	T SLSMN : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	(A102)	36004A
T KR20 : ITEM ANALYSIS AND KUDFR-RICHARDSON FORMULA 20 RELIABILITY	(A408)	36137A	H SNELL : SNELL'S LAW	(S833)	36320A
E LAROR : LABOR/MANAGEMENT BARGAINING	(A880)	36233A	T SNOOPY : DRAWS SNOOPY ON THE TELEPRINTER	(A903)	36108A
T LEASIN : LEASE INCOME	(C712)	36194A	E SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS	(A820)	36149A
T LENDER : SIMPLE LOAN ANALYSIS	(A712)	36090A	T SOLVIT : SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	(A314)	36196A
*H LENSES : SOLVES LENS PROBLEMS	(A833)	36630A	T SORT : FILE SERIAL STRING SORT	(C107)	36122A
T LESSEE : LEASE ANALYSIS AS DETERMINED BY THE LESSEE	(A712)	36091A	H SPACE : SPACECRAFT ORBITS	(S833)	36321A
T LIFE : A GAME OF CELLULAR GENERATION GROWTH	(A903)	36138A	E SPCFRA : OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	(A833)	36188A
*H LIMSIN : LIMIT OF (SIN X)/X	(A801)	36622A	T SPHERE : SOLVES SPHERICAL TRIANGLES	(A301)	36034A
T LINPRO : LINEAR PROGRAMMING MODEL	(A605)	36068B	T SQRT(2) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	(A303)	36018A
T LNTRND : LINEAR TREND FORECASTING	(A608)	36069A	T SQRS : AN INTEGER AS THE SUM OF FOUR SQUARES	(A301)	36036A
T LOAN : LOAN AMORTIZATION	(C712)	36226A	*H SORT : FINDS SQUARE ROOT	(A801)	36627A
E LOGIC : LOGIC EXAMINATION PROGRAMS	(H801)	36251A	H STAT : STATISTICAL ANALYSIS OF LAB DATA	(S720)	36344A
T LOGRAM : LOG-ON TAPE ANALYZER	(A408)	36001A	*T STAT19 : KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	(F410)	36607A
T LPLFLTR : DESIGNS LOW-PASS FILTERS	(A513)	36060A	T STAT2 : MANN-WHITNEY 2 SAMPLE RANK TEST	(A407)	36052A
T LQVALV : COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	(A511)	36061A	T STAT3 : SPEARMAN RANK CORRELATION COEFFICIENTS	(A407)	36053A
*T LRGNUM : LARGE NUMBER ADDITION & MULTIPLICATION	(A302)	36016B	*H STATAL : ARITHMETIC MEAN	(A801)	36628A
T MACRO : A TEXT AND FILE PROCESSING SYSTEM	(A101)	36003A	H STERL : FLY POPULATION CONTROL	(F833)	36641A
E MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B	T STGINT : STRING-INTEGER CONVERSIONS	(A104)	36176A
E MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A	T STGSR : SORTS STRINGS FROM FILES	(C107)	36145A
E MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C	(C880)	36209A	T STKINC : STOCK MERGER INCENTIVE PROGRAM	(A713)	36096A
E MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000U	(H880)	36193A	T STKRNT : STOCK RETURNS REPORT	(A713)	36098A
T MARKOV : SECURITIES PORTFOLIO USING MARKOWITZ MODEL	(A713)	36092A	T STKSMO : EXPONENTIAL SMOOTHING AS A STOCK GUIDE	(A713)	36099A
H MASSD : MASS DEFECT	(A833)	36310A	T STKVAL : STOCK VALUE & EVALUATION REPORT	(A713)	36100A
E MATHS : CAI MATH PACKAGE (2000B VERSION)	(A801)	20877B	H STOCK : STOCK MARKET SIMULATION	(S860)	36331A
E MATHC : CAI MATH PACKAGE (2000C VERSION)	(C801)	24243B	*H STOICH : MASS VOLUME	(A833)	36618A
*H MEMBR : DIFFUSION EXPERIMENT	(A833)	36611A	E STOP : TIES MATH CALCULATOR PACKAGE	(A810)	36014A
*T MESSAG : INTERTERMINAL COMMUNICATOR	(F102)	36284A	E STOPH : MATH CALCULATOR PACKAGE	(A810)	36208A
*T METRIC : CONVERTS ENGLISH TO METRIC	(F514)	36635A	T STTR : STAN TREK	(C903)	36243A
T MICRO : MICROWAVE PARAMETERS CONVERSION	(A513)	36062A	E SUBRN : CAI SUBROUTINES	(A800)	24244A
T MIXSPR : MIXER SPURIOUS RESPONSE PROGRAM	(A513)	36064A	T SUNSET : SUNRISE-SUNSET PREDICTOR	(S509)	36180A
T MKRUY : MAKE-BUY DECISION ANALYSIS	(A712)	36093A	H SURFAC : AREA OF SURFACE OF REVOLUTION	(S801)	36338A
*H MOLAR : ACID-BASE TITRATION	(A833)	36616A	*E SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	(C801)	36278A
T MORGAG : MORTGAGE ANALYSIS	(A712)	36094B	T T-TEST : TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	(A401)	36170A
E MRKSIM : MARKETING SIMULATION	(A880)	36199A	T TALK : TIME SHARING SYSTEM COMMUNICATION	(A108)	36222A
T MULREG : MULTIPLE REGRESSION/CORRELATION	(A404)	36178A	T TAPUJM : FILE UTILITY PROGRAM	(R110)	36221A
T MULTX : LEAST-SQUARES FIT, MULTIPLE Y'S PER X	(A404)	36186A	E TENS : DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	(H801)	36128A
E MUSIC2 : TRIAD SOLVING PROGRAM	(A950)	36276A	T TERTES : TELETYPE-CRT DIAGNOSTIC	(C205)	36185A
T MUSIC5 : FINUS DOMINANT SEVENTHS	(A104)	36259A	T TESTTY : TESTS THE OPERATION OF A REMOTE TELETYPE	(A217)	36013A
E NET-3 : COMPLEX NUMBER OPERATIONS	(A920)	36150A	T TIDE : TEXT EDITOR FOR THE 2000C	(C101)	36200B
*T NEWIDS : CREATES NEW USER NUMBERS	(F108)	36248A	T TIDEX : SYMBOLIC FILE EDITOR	(A101)	36204A
H NEWTN2 : NEWTON'S 2ND LAW	(S833)	36316A	*F TIMER : TIME OF THE DAY	(F104)	36297A
H NZYM2 : ENZYME REACTION RATE	(A433)	36121A	T TITLE : CHARACTER GENERATION	(A904)	36114A
H NZYMC : ENZYMIC REACTION RATES	(S833)	36303A	T TMFCV : TIME FUNCTION EVALUATOR	(A519)	36063A
E ORBIT : INTEGRATES EQUATIONS OF MOTION	(S833)	36317A	T TRANSP : TRANSPORTATION PROBLEM	(A605)	36230A
H PHOSYN : PHOTOSYNTHESIS EXPERIMENT	(S833)	36318A	T TRCK.1 : CALCULATE TRUCK FREIGHT RATES	(C718)	36174A
H PHOTEL : PHOTOELECTRIC EFFCT	(A833)	36617A	E TRIFAC : FACTORING QUADRATIC TRINOMIALS	(C801)	36237A
H PHOTON : ENERGY LEVEL PROBLEM	(S833)	36318A	T TRUINT : TRUE ANNUAL INTEREST RATE ANALYSIS	(A713)	36101A
*H PHPOH : PH, POH, PCT, DISSOCIATION	(A833)	36617A	*E TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS	(F801)	36602A
H PI : CALCULATES PI	(A801)	36623A	E TUTOR : TUTOR SERVES BASIC LANGUAGE PROGRAMMING COURSE, TUTOR - TUT25	(A810)	36139A
H PLANK : A PHOTOELECTRIC SIMULATION	(S833)	36350A	E TWGUES : MATHEMATICAL GAME OF TWENTY QUESTIONS	(H801)	36130A
T PLOT : PLOTS A GIVEN FUNCTION ON THE TELETYPE	(A904)	36104A	E UNITS : CAI IN INTERPRETATION OF EE UNITS	(A820)	36157A
H PLOTTR : FUNCTION PLOTTER	(S801)	36334B	S VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010	(C904)	36555A
T PLOTWD : WORD PLOTTER	(A904)	36228A	H VFIELD : POTENTIAL FIELD PICTURE	(S833)	36322A
T POISOR : FILE POINTER SORT/POINTER SORT	(A107)	36206A	H VLCTCY : INSTANTANEOUS VELOCITY	(S833)	36323A
E POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM	(A402)	36155A	H VOLSOL : VOLUME OF SOLID OF REVOLUTION	(S801)	36339A
T POLFIT : FITS LEAST-SQUARES POLYNOMIALS	(A404)	36023B	S VPDQ : PLOTTING DATA	(C713)	36554A
T POLFTE : FITS LEAST-SQUARES POLYNOMIALS	(A309)	36246A	S VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	(C904)	36556A
E POLSUA : POLYNOMIAL SUBTRACTION	(C801)	36239A	S VRRC : INVESTMENT STRATEGY ANALYSIS	(C713)	36557A
*H POLSYS : SIMULATION OF CITY COUNCIL	(F860)	36640A	S VSUH : DISPLAY ROUTINE USING TEKTRONIX 4010	(C904)	36558A
*H POLUT : WATER POLLUTION SIMULATION	(F833)	36639A	T VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	(C904)	36559A
T POLY : POLYNOMIAL APPROXIMATION	(S309)	36188A	H WATER1 : WATER BUDGET PROBLEM CHECK	(S833)	36326A
H PRCNT : PERCENT COMPOSITION	(S833)	36311A	H WATER2 : WATER BUDGET	(S833)	36327A
*T PRINT : GENERATES LARGE LETTERS	(F904)	36299A	H WAVES : SUM OF TWO WAVES	(S833)	36324B
H PRJTL : PROJECTILE MOTION	(A833)	36631A	E WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM	(H860)	36187A
H QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	(S810)	36335A	E WKSHT : GENERATES MATH WORKSHEETS	(A801)	36133A
T QUBIC : PLAYS 3-DIMENSIONAL TIC-TAC-TOE	(A903)	36106A	T XREF : BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	(C211)	36143C
T RANDEV : GENERATES RANDOM DEVIATES-SUBROUTINE	(A405)	36050B	T XTRACT : FILE UTILITY PROGRAM	(R110)	36221A
T RANDOM : RANDOM NUMBER GENERATOR	(A405)	36203A			
H RATIO : SOLVES PROPORTIONS	(S801)	36336A			
T RECRUT : RECRUITING INFORMATION SYSTEM	(A717)	36113B			
H REFLCT : LEAST TIME PRINCIPLE AND LIGHT	(S833)	36319A			

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

ORDER NUMBER LISTING

Volume Order No.	System Specification	Class Code	Name	Title
E 20879B	(A801)		MATHB	CAI MATH PACKAGE (2000B VERSION)
E 24241B	(C800)		IDF	INSTRUCTIONAL DIALOGUE FACILITY
E 24242B	(C800)		EXEC	CAI EXECUTIVE PACKAGE
E 24243B	(C801)		MATHD	CAI MATH PACKAGE (2000C VERSION)
E 24244A	(A800)		SUBRTN	CAI SUBROUTINES
T 36001A	(A408)		LOGRAM	LOG-ON TAPE ANALYZER
E 36002B	(A880)		SETUP	MANAGEMENT SIMULATION GAME FOR THE HP 2000A
E 36002B	(A880)		MANAG	MANAGEMENT SIMULATION GAME FOR THE HP 2000A
E 36002B	(A880)		RITE	MANAGEMENT SIMULATION GAME FOR THE HP 2000A
T 36003A	(A101)		MACRO	A TEXT AND FILE PROCESSING SYSTEM
T 36004A	(A102)		SLSMN	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM
T 36005B	(A104)		FORMAT	ALLOWS SPECIAL FORMATTING OF OATA PRINTOUT
T 36006A	(A110)		FILMAN	FILE MANAGER
T 36007A	(A110)		FILIN	KEYBOARD FILE LOADING PROGRAM
T 36008C	(A110)		FILDUM	PAPER TAPE FILE DUMP
T 36009C	(A110)		FILIST	LISTS FILE CONTENTS BY RECORD NUMBER
T 36010C	(A110)		FILOAD	LOADS A FILE FROM THE TELETYPE
T 36011A	(A110)		FILREA	REENTERS THE OATA TAPE OUMPED BY FILDUM
T 36012B	(A110)		FILCOY	COPIES ONE FILE INTO ANOTHER
T 36013A	(A217)		TESTTY	TESTS THE OPERATION OF A REMOTE TELETYPE
E 36014A	(A810)		STOP	TIES MATH CALCULATOR PACKAGE
T 36015A	(A302)		CALC	EXTENDED PRECISION CALCULATOR
*T 36016B	(A302)		LRGNUM	LARGE NUMBER ADDITION & MULTIPLICATION
T 36017A	(A303)		FNCTS	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS
T 36018A	(A303)		SQR(Z)	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER
T 36019A	(A306)		BESSEL	CALCULATES BESSEL FUNCTION OF FIRST KIND
T 36021A	(A310)		INTGRT	COMPUTES NUMERIC INTEGRAL OF A FUNCTION
*T 36022B	(A310)		ROMINT	INTEGRATES A FUNCTION (ROMBERG METHOD)
T 36023B	(A404)		POLFIT	FITS LEAST-SQUARES POLYNOMIALS
T 36024A	(A311)		ROOTER	FINDS THE ROOTS OF POLYNOMIALS
T 36025A	(A312)		CDETER	COMPUTES VALUE OF COMPLEX DETERMINANT
T 36026A	(A314)		SIMEQN	SOLVES SIMULTANEOUS LINEAR EQUATIONS
T 36027A	(A314)		CROUT1	SOLVES SIMULTANEOUS LINEAR EQUATIONS
T 36028A	(A316)		CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM
T 36029A	(A316)		RTCFRT	REAL TO COMPLEX FAST FOURIER TRANSFORM
T 36030A	(A316)		GFFT	GENERAL FAST FOURIER TRANSFORM
T 36031A	(A317)		DERIV	DERIVATIVE OF A FUNCTION AT A POINT
T 36032A	(A318)		DE-1OR	1ST ORDER DIFFERENTIAL EQUATION
T 36033A	(A318)		DE-2OR	2ND ORDER DIFFERENTIAL EQUATION
T 36034A	(A301)		SPHERE	SOLVES SPHERICAL TRIANGLES
T 36035B	(A301)		EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS
T 36036A	(A301)		SORS	AN INTEGER AS THE SUM OF FOUR SQUARES
T 36037A	(A301)		FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS
T 36038C	(A404)		CURFIT	PERFORMS LEAST-SQUARES FIT
T 36039B	(A410)		ANVARI	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN
T 36040B	(A410)		ANVAR2	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)
T 36041A	(A406)		BINOPO	PROBABILITY DISTRIBUTION COMPARISONS
T 36042A	(A407)		CHISO	COMPUTES PROBABILITY OF CHI-SQUARE VALUES
T 36043B	(A407)		CHISQS	CHI-SQUARE STATISTICS FOR MN CONTINGENCY TABLES
T 36045A	(A408)		GEOMEN	STATISTICS OF GEOMETRIC DISTRIBUTION
T 36050B	(A405)		RANDEV	GENERATES RANDOM DEVIATES-SUBROUTINE
T 36052A	(A407)		STAT2	MANN-WHITNEY 2 SAMPLE RANK TEST
T 36053A	(A407)		STAT3	SPEARMAN RANK CORRELATION COEFFICIENTS
T 36054B	(A404)		REGCOR	REGRESSION/CORRELATION
T 36055B	(A408)		HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS
T 36056A	(A513)		ANALAD	CIRCUIT ANALYSIS
T 36057A	(A513)		ACNODE	AC CIRCUIT ANALYSIS PROGRAM
T 36058A	(A514)		HXTFR	TWO DIMENSIONAL HEAT TRANSFER
T 36059A	(A516)		DEBYE	COMPUTES DEBYE OR EINSTEIN FUNCTION
T 36060A	(A513)		LPFLTR	DESIGNS LOW-PASS FILTERS
T 36061A	(A511)		LQVALV	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS
T 36062A	(A513)		MICRO	MICROWAVE PARAMETERS CONVERSION
T 36063A	(A519)		TMFCEV	TIME FUNCTION EVALUATOR
T 36064A	(A513)		MIXSPR	MIXER SPURIOUS RESPONSE PROGRAM
T 36065C	(A606)		DECSN	TOP MANAGEMENT DECISION GAME
T 36067A	(A610)		DYNPRO	DYNAMIC PROGRAMMING MODEL
T 36068B	(A605)		LINPRO	LINEAR PROGRAMMING MODEL
T 36069A	(A608)		LNTRND	LINEAR TREND FORECASTING
T 36072A	(A720)		SALSIM	SALARY SCHEDULE COST SIMULATOR
T 36073A	(A716)		RUGDET	DEPARTMENTAL MANAGER'S BUDGETING PROGRAM
T 36074A	(A712)		ANNUIT	ANNUITY ANALYSIS
T 36075A	(A712)		BALSHT	PROFORMA INCOME STATEMENT AND BALANCE SHEET
T 36076B	(A713)		BNDPRC	BOND PRICE ANALYSIS
T 36077A	(A713)		RNDSWH	BOND SWITCH ANALYSIS
T 36078B	(A713)		BNDYLD	BOND YIELD ANALYSIS
T 36079A	(A713)		BNKRSV	BANK RESERVE CALCULATIONS
T 36080A	(A713)		CAPINV	CAPITAL INVESTMENT ANALYSIS
T 36082A	(A712)		DEPCOM	DEPRECIATION METHOD COMPARISON
T 36083A	(A712)		EQUITY	COST OF EQUITY CAPITAL
T 36084A	(A713)		EXDRSK	EXTENDED RISK ANALYSIS
T 36085A	(A713)		EXSMOO	EXPONENTIAL SMOOTHING ON PRICE DATA
T 36086A	(A714)		GNPSUM	GROSS NATIONAL PRODUCT SUMMARY
T 36087A	(A714)		INACNT	NATIONAL INCOME & PRODUCT ACCOUNTS
T 36088A	(A714)		IN/OUT	INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS
T 36089B	(A712)		INSTMT	INCOME STATEMENT
T 36090A	(A712)		LENDER	SIMPLE LOAN ANALYSIS
T 36091A	(A712)		LESSEE	LEASE ANALYSIS AS DETERMINED BY THE LESSEE
T 36092A	(A713)		MARKOW	SECURITIES PORTFOLIO USING MARKOWITZ MODEL
T 36093A	(A712)		MKBUY	MAKE-BUY DECISION ANALYSIS
T 36094B	(A712)		MORGAG	MORTGAGE ANALYSIS
T 36095A	(A710)		SALES	SALES COMMISSION REPORT
T 36096A	(A713)		STKINC	STOCK MERGER INCENTIVE PROGRAM
T 36098A	(A713)		STKRTR	STOCK RETURNS REPORT
T 36099A	(A713)		STKSMO	EXPONENTIAL SMOOTHING AS A STOCK GUIDE
T 36100A	(A713)		STKVAL	STOCK VALUE & EVALUATION REPORT
T 36101A	(A713)		TRUINT	TRUE ANNUAL INTEREST RATE ANALYSIS

Volume Order No.	System Specification	Class Code	Name	Title
T 36102A	(A903)		GOLF	A GOLF GAME
T 36103A	(A903)		HLJACK	GAME OF TWENTY-ONE
T 36104A	(A904)		PLOT	PLOTS A GIVEN FUNCTION ON THE TELETYPE
T 36105A	(A903)		RATNUM	PLAYS THE BATTLE OF NUMBERS GAME
T 36106A	(A903)		QUBIC	PLAYS 3-DIMENSIONAL TIC-TAC-TOE
T 36107A	(A903)		SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)
T 36109A	(A903)		SNOOPY	DRAWNS SNOOPY ON THE TELEPRINTER
T 36109A	(A515)		REMEDS	RECOMMENDS CORRECT STEEL BEAM USE
T 36110A	(A901)		CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC
T 36111A	(A716)		EXPEND	BUDGET EXPENDITURES VS. TARGETS MONITOR
T 36112A	(A904)		FPLOT	FUNCTION PLOT
T 36113B	(A717)		RECRUT	RECRUITING INFORMATION SYSTEM
T 36114A	(A904)		TITLE	CHARACTER GENERATION
T 36115A	(A904)		GRAPHS	OEMO PLOT PROGRAM FOR HP 7200 PLOTTER
T 36116A	(A211)		BASTES	BASIC TEST PROGRAM
T 36117A	(B104)		DATES	COMPUTES DATE FROM SYSTEM CLOCK
T 36118A	(A303)		CXARTH	VECTOR ARITHMETIC
T 36119A	(A303)		CXEXP	VECTOR EXPONENTIATION
T 36120A	(A408)		FC	ANALYSIS OF LOG TAPE
E 36121A	(A833)		ORBIT	INTEGRATES EQUATIONS OF MOTION
T 36122A	(C107)		SORT	FILE SERIAL STRING SORT
T 36125B	(B104)		HELLO	TYPES OATE, TIME, AND PORT NUMBER ON TERMINAL
E 36129A	(B801)		TENS	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS
E 36129A	(B801)		DRILL	BASIC ARITHMETIC DRILL
E 36130A	(B801)		TWQUES	MATHEMATICAL GAME OF TWENTY QUESTIONS
T 36131A	(B301)		CALCOM	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)
T 36131A	(B301)		CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)
E 36133A	(A801)		WKSHT	GENERATES MATH WORKSHEETS
E 36134A	(A833)		H-LIFE	HALF LIFE SIMULATION
T 36136A	(A408)		SCORES	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES
T 36137A	(A408)		KR20	ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY
T 36139A	(A903)		LIFF	A GAME OF CELLULAR GENERATION GROWTH
E 36139A	(A810)		TUTOR	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25
T 36142B	(A712)		CSHFL	CASH FLOW ANALYSIS
T 36143C	(C211)		XREF	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR
T 36144A	(A302)		EXTPRE	40-DIGIT PRECISION MATHEMATICS
T 36145A	(C107)		STGSTR	SORTS STRINGS FROM FILES
E 36148A	(A820)		EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME
E 36149A	(A820)		SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS
E 36150A	(A820)		NET-3	COMPLEX NUMBER OPERATIONS
E 36152A	(A820)		AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS
E 36153A	(A820)		COMPLX	CAI IN ALGEBRA OF COMPLEX NUMBERS
E 36154A	(A820)		INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR
E 36155A	(A820)		POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM
E 36156A	(A820)		OVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS
E 36157A	(A820)		UNITS	CAI IN INTERPRETATION OF EE UNITS
E 36158A	(A820)		RNET	NETWORK SIMULTANEOUS EQUATIONS
E 36159A	(A801)		DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS
T 36164B	(C718)		IATA.1	CALCULATE AIR FREIGHT RATES
T 36165A	(A904)		FGRAPH	SIMULTANEOUS FUNCTION GRAPHER
E 36166A	(A820)		DETERM	MATRIX DETERMINANT USING GAUSSIAN ELIMINATION
E 36167A	(A820)		JACORI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX
T 36168A	(A301)		CALC2	THREE REGISTER CALCULATOR PROGRAM
T 36169A	(A901)		FIFTY!	EXTENDED PRECISION FACTORIAL
T 36170A	(A401)		T-TEST	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION
T 36171B	(A603)		CPATH	CRITICAL PATH EVALUATION
T 36172A	(A410)		ANVAR3	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN
T 36173A	(A410)		ANVAR4	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT
T 36174A	(C718)		TRCK.1	CALCULATE TRUCK FREIGHT RATES
E 36175A	(C871)		CARLOS	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II
T 36176A	(A104)		STGINT	STRING-INTEGGER CONVERSIONS
T 36177A	(A708)		REP	DATA CENTER INVENTORY REPORT GENERATOR
T 36177A	(A708)		IN	DATA CENTER INVENTORY REPORT GENERATOR
T 36178A	(A404)		MULREG	MULTIPLE REGRESSION/CORRELATION
T 36179A	(C713)		DROIPB	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK
T 36180A	(S509)		SUNSET	SUNRISE-SUNSET PREDICTOR
T 36181A	(A903)		FTBL	FOOTBALL
E 36182A	(A801)		SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES
E 36184A	(A833)		SPCTRA	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES
T 36185A	(C205)		TERTES	TELETYPE-CRT DIAGNOSTIC
T 36186A	(A404)		MULTX	LEAST-SQUARES FIT, MULTIPLE Y'S PER X
E 36187A	(B860)		WHEELS	AUTO PURCHASE AND MAINTENANCE SYSTEM
T 36188A	(S309)		POLY	POLYNOMIAL APPROXIMATION
T 36191B	(A408)		FRQ	FREQUENCY BETWEEN BOUNDRIES
E 36193A	(B880)		SETUPB	MANAGEMENT SIMULATION GAME FOR THE 2000B
E 36193A	(B880)		MANAGB	MANAGEMENT SIMULATION GAME FOR THE 2000B
E 36193A	(B880)		MANAGU	MANAGEMENT SIMULATION GAME FOR THE 2000B
E 36193A	(B880)		RITE	MANAGEMENT SIMULATION GAME FOR THE 2000B
T 36194A	(C712)		LEASIN	LEASE INCOME
T 36196A	(A314)		SOLVIT	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION
T 36197A	(A108)		JULIAN	JULIAN CALENDAR FOR THE CURRENT YEAR
E 36199A	(A880)		MRKSIM	MARKETING SIMULATION

ORDER NUMBER LISTING

I 36200R (C101)	TIDE : TEXT EDITOR FOR THE 2000C	H 36324B (S833)	WAVES : SUM OF TWO WAVES
E 36202A (C720)	ATTEND : ARSENTEE LISTING	H 36325A (S833)	CLOUDS : CLOUD FORMATION
T 36203A (A405)	RANDOM : RANDOM NUMBER GENERATOR	H 36326A (S833)	WATER1 : WATER BUDGET PROBLEM CHECK
I 36204A (A101)	TIDEX : SYMBOLIC FILE EDITOR	H 36327A (S833)	WATER2 : WATER BUDGET
E 36205A (A801)	CADAIL : COMPUTER ASSISTED ARITHMETIC DRILL	H 36328A (S860)	BALANC : TRADE AND PAYMENT BALANCES
E 36205A (A801)	CADA1M : COMPUTER ASSISTED ARITHMETIC DRILL	H 36329A (S860)	BANK : SOLVES FINANCIAL PROBLEMS
E 36205A (A801)	CADAIP : COMPUTER ASSISTED ARITHMETIC DRILL	H 36330A (S860)	CONSUMP : DEPRESSION/EQUILIBRIUM
T 36206A (A107)	FILSOR : FILE POINTER SORT/POINTER SORT	H 36331A (S860)	STOCK : STOCK MARKET SIMULATION
T 36206A (A107)	PDISOR : FILE POINTER SORT/POINTER SORT	H 36333A (S801)	CRVLEN : COMPUTES LENGTH OF ANY CURVE
E 36208A (A810)	STOPB : MATH CALCULATOR PACKAGE	H 36334R (S810)	PLOTTR : FUNCTION PLOTTER
E 36209A (C880)	SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	H 36335A (S810)	QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION
E 36209A (C880)	MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C		IN TWO VARIABLES
T 36210R (A708)	CTC1 : CTC MANUFACTURING PARTS CONTROL	H 36336A (S801)	RATIO : SOLVES PROPORTIONS
T 36211R (A708)	CTC2 : CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	H 36337A (S801)	SETS : UNION AND INTERSECTION OF SETS
*T 36212R (A717)	CTC3 : CTC PROJECTION PROGRAMS	H 36338A (S801)	SURFAC : AREA OF SURFACE OF REVOLUTION
*T 36213R (A706)	CTC4 : CTC PAYROLL PROGRAMS	H 36339A (S801)	VOLVOL : VOLUME OF SOLID OF REVOLUTION
T 36214P (A711)	CTC5 : CTC ACCOUNTS RECEIVABLE	H 36340A (S720)	AVERG1 : AVERAGES AND CURVES GRADES
T 36218A (A108)	HPMLUT : LIST/DUMP HP ASSEMBLER FILES	H 36341A (S720)	FREG : BAR GRAPHS OF GRADES
I 36218A (A108)	HPMLIT : LIST/DUMP HP ASSEMBLER FILES	H 36342A (S720)	GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED
E 36219A (C810)	BRAIN : BRAIN SIMULATOR PROGRAM	H 36343A (S720)	ITEM1 : NUMBER FREQUENCIES
T 36220A (C104)	CHARS : ASCII CHARACTER SET	H 36344A (S720)	STAT : STATISTICAL ANALYSIS OF LAB DATA
T 36221A (R110)	XTRACT : FILE UTILITY PROGRAM	H 36350A (S833)	PLANK : A PHOTOELECTRIC SIMULATION
T 36221A (R110)	TAPDUM : FILE UTILITY PROGRAM	H 36351A (A833)	SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT
T 36222A (A108)	TALK : TIME SHARING SYSTEM COMMUNICATION	E 36353A (S801)	AFLETS : JOHN CONWAY'S GAME OF LIFE
I 36226A (C712)	LOAN : LOAN AMORTIZATION	E 36360A (S801)	BAGELS : THREE-DIGIT NUMBER GUESSING
E 36227A (A801)	FACTRL : FACTORIALS TO 1000 PLACES	S 36501A (C410)	GANOVA : ANALYSIS OF VARIANCE (2-WAY)
T 36228A (A904)	PLOTWD : WORD PLOTTER	S 36502A (C880)	GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME
I 36230A (A605)	TRANSP : TRANSPORTATION PROBLEM	S 36503A (C713)	GCHLIN : RATING INVESTMENT FUNDS
T 36231A (A102)	ADDRESS : ADDRESS LABELS	S 36504A (C603)	GCPATH : CRITICAL PATH ANALYSIS
T 36232A (C107)	IRV : FILE SORT ROUTINE	S 36505A (C713)	GCPM1 : CRITICAL PATH ANALYSIS
E 36233A (A880)	LAROR : LABOR/MANAGEMENT BARGAINING	S 36507A (C713)	GDAPI : ABNORMAL PERFORMANCE INOEX
I 36235A (C904)	HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	S 36508A (C713)	GOPA : EFFICIENT 'CORNER' PORTFOLIOS
		S 36510A (C712)	GFNRAT : FINANCIAL RATIOS
		S 36512A (C605)	GINTLP : LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO
T 36236A (A903)	HATTLE : BATTLESHIP GAME	S 36513A (C712)	GIRRPV : INVESTMENT RETURN (CASH FLOW)
E 36237A (C801)	TRIFAC : FACTORING QUADRATIC TRINOMIALS	S 36514A (C713)	GKASSF : WARRANT PRICE CALCULATION
E 36239A (C801)	SIPRAC : PRACTICE WITH SIGNED NUMBERS	S 36515A (C713)	GKOCST : PRICE/EARNINGS RATIO CALCULATION
E 36239A (C801)	POLSUB : POLYNOMIAL SUBTRACTION	S 36516A (C605)	GLP : LINEAR PROGRAMMING
E 36240A (C801)	QISGAR : SQUARING BINOMIALS	S 36517A (C605)	GLPSAI : LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD
T 36241A (C718)	IATA.C : CALCULATES BREAKPOINT OF IATA CONTAINERS		
T 36243A (C903)	STPR1 : STAR TREK	T 36518A (C720)	GMARKS : GSR GRADING PROGRAM
T 36244A (A903)	KENO : \$25,000.00 KENO GAME	T 36518A (C720)	GMEDIT : GSR GRADING PROGRAM
T 36246A (A309)	POLFTE : FITS LEAST-SQUARES POLYNOMIALS	S 36519A (C830)	GMCR01 : FISCAL POLICY GAME
*T 36247A (F110)	FILRPT : REPORTS FILE CONTENTS AND STRUCTURE	S 36519A (C830)	GMCR02 : FISCAL POLICY GAME
*T 36248A (F10A)	NEWIDS : CREATES NEW USER NUMBERS	S 36521A (C830)	GMCR06 : ECONOMIC POLICY GAME
*T 36250R (C102)	FINDIT : INFORMATION RETRIEVAL SYSTEM	S 36521A (C830)	GMCR05 : ECONOMIC POLICY GAME
E 36251A (A801)	LOGIC : LOGIC EXAMINATION PROGRAMS	S 36529A (C604)	GNETFL : NETWORK FLOW
E 36253A (C801)	EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	S 36530A (C713)	GNMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
E 36254A (C810)	EXPRES : EXPRESSION SOLVING PROGRAM		
T 36256R (C104)	ASCII : CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	S 36530A (C713)	GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
T 36257A (C104)	-ASCII : ASCII CODE GENERATOR	S 36541A (C408)	GRANK : RANKING STATISTICS
T 36259A (A104)	KEYS16 : GIVES MAJOR SCALES	S 36542A (C404)	GRGLPT : SIMPLE REGRESSION AND PLOT
T 36259A (A104)	MUSIC5 : FINDS DOMINANT SEVENTHS	S 36543A (C712)	GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT
E 36260A (R833)	IONIC : DRILL ON FORMULAS AND CHARGES OF IONS	S 36545A (C713)	GSTKVL : STOCK VALUATION
E 36261A (R833)	ISOMER : DRILL ON NAMING ALKANES	S 36547A (C314)	GSIMEQ : SIMULTANEOUS LINEAR EQUATIONS
E 36262A (R801)	CASYSS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	T 36548A (C104)	GTAPIO : PAPER TAPE TITLER
T 36263A (R812)	DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	S 36549A (C406)	GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION
T 36264A (R405)	RNDORD : PLACING INTEGERS IN RANDOM ORDER	S 36550A (C606)	GVDTE : COMMITTEE CHOICE ANALYSIS
E 36265A (A801)	GAME : CLASSIC MATRIX OF GAME THEORY	S 36551A (C405)	GWBULL : SUBJECTIVE PROBABILITY - RANDOM VALUES
E 36266A (R833)	IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS	S 36552A (C607)	GSSS : SMALL SYSTEMS SIMULATOR
E 36267A (R833)	ELMENT : DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	S 36553A (C713)	GTHOR : SECURITIES EPS GROWTH
*T 36271A (F410)	ANOVA3 : THREE FACTORIAL ANALYSIS OF VARIANCE	S 36554A (C713)	GVPDQT : PLOTTING DATA
T 36272A (C108)	FILIS : FILE LISTING PROGRAM/INSTRUCTIONS	S 36554A (C713)	VPDQ : PLOTTING DATA
T 36272A (C108)	FILIS1 : FILE LISTING PROGRAM/INSTRUCTIONS	S 36555A (C904)	VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010
E 36276A (A850)	MUSIC2 : TRIAD SOLVING PROGRAM	S 36556A (C904)	VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010
E 36277A (C801)	DIMIS : X-Y AXIS SEGMENT PROGRAM		
*E 36278A (C801)	SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	S 36557A (C713)	VRRC : INVESTMENT STRATEGY ANALYSIS
*T 36279A (F108)	JULI : ONE PAGE JULIAN CALENDAR	S 36558A (C904)	VSUB : DISPLAY ROUTINE USING TEKTRONIX 4010
*T 36282A (F720)	COLREG : COLLEGE REGISTRATION DEMO	T 36559A (C904)	VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL
*T 36284A (F102)	MESSAG : INTERTERMINAL COMMUNICATOR		
*T 36287A (F212)	DATA : DUMPS FILE TO DATA STATEMENTS	*T 36601A (A903)	DRAG : SIMULATES A DRAG RATE
*T 36298A (F108)	CALNDR : PRINTS A CALENDAR	*E 36602A (F801)	TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS
*T 36292A (A107)	ALPHA : ALPHANUMERIC SORT	*E 36603A (F833)	ALERA : PROPAGATION OF ERROR
*T 36293A (F513)	ACTFIL : ACTIVE FILTER DESIGN	*E 36604A (F860)	CHARGE : CHARGE ACCOUNT SIMULATION
*T 36294A (A410)	ANCOV : ANALYSIS OF COVARIANCE	*T 36606A (F407)	FISHER : FISHER'S EXACT PROBABILITY TEST
*E 36295A (F833)	CHEM : SELF-CORRECTING CHEMISTRY TEST	*T 36607A (F410)	STAT19 : KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE
*T 36296A (F104)	ALFTOV : ALPHA TO VARIABLE CONVERSION	*H 36611A (A833)	MEMBR : DIFFUSION EXPERIMENT
*T 36297A (F104)	TIMER : TIME OF THE DAY	*H 36613A (A833)	ATWT : CALCULATES ATOMIC WEIGHT
*T 36299A (F104)	DATER : DATE AND DAY OF THE WEEK	*H 36614A (A833)	AVOGA : AVOGADRA'S NUMBER
*T 36299A (F904)	PRINT : GENERATES LARGE LETTERS	*H 36615A (A833)	EMPIR : CALCULATES EMPIRICAL FORMULAS
H 36300A (S833)	DROS : GENETIC CHARACTERISTICS	*H 36616A (A833)	MOLAR : ACID-BASE TITRATION
H 36301A (S833)	EVOLU : NATURAL SELECTION EXPERIMENT	*H 36617A (A833)	PHPOH : PH, POH, PCT, DISSOCIATION
H 36302A (S833)	GAMGN : PROCESS OF GAMETDGENESIS	*H 36618A (A833)	STOICH : MASS VOLUME
H 36303A (S833)	NZYMC : ENZYMIC REACTION RATES	*H 36620A (A801)	CVAREA : AREA UNDER CURVE
H 36304A (S833)	NZYM2 : ENZYME REACTION RATES	*H 36622A (A801)	LIMSIN : LIMIT OF (SIN X)/X
H 36305A (S833)	PHOSYN : PHOTOSYNTHESIS EXPERIMENT	*H 36623A (A801)	PI : CALCULATES PI
H 36306A (S833)	DECAY1 : RADIOACTIVE DECAY GAME	*H 36625A (A801)	ROOTS2 : QUADRATIC EQUATION SOLVER
H 36307A (S833)	DECAY2 : NUCLEAR DECAY	*H 36626A (A801)	SLOPE : FINDS DERIVATIVES
H 36308A (S833)	EQUIL1 : EQUILIBRIUM SYSTEMS	*H 36627A (A801)	SGRT : FINDS SQUARE ROOT
H 36308A (S833)	EQUIL2 : EQUILIBRIUM SYSTEMS	*H 36628A (A801)	STATAL : ARITHMETIC MEAN
H 36309A (S833)	KINET : KINETIC REACTION	*H 36629A (A833)	EFIELD : ELECTRIC FIELD STRENGTH
H 36310A (A833)	MASSD : MASS DEFECT	*H 36630A (A833)	LENSES : SOLVES LENS PROBLEMS
H 36311A (S833)	PRCNT : PERCENT COMPOSITION	*H 36631A (A833)	PRJTL : PROJECTILE MOTION
H 36312A (S833)	BFIELD : MAGNETIC FIELD PICTURE	*H 36632A (A830)	CIRFLW : CIRCULAR FLOW MODEL
H 36313A (S833)	ROHR : ENERGY LEVEL DIAGRAM	*T 36635A (F514)	METRIC : CONVERTS ENGLISH TO METRIC
H 36314A (S833)	CALORI : CALORIMETRY EXPERIMENT	*H 36638A (F709)	CTC6 : CTC ACCOUNTS PAYABLE
H 36315A (S833)	KINERV : REVIEW OF KINEMATICS	*H 36639A (F833)	POLUT : WATER POLLUTION SIMULATION
H 36316A (S833)	NEWTON2 : NEWTON'S 2ND LAW	*H 36640A (F860)	POLSYS : SIMULATION OF CITY COUNCIL
H 36317A (S833)	PHOTEL : PHOTOELECTRIC EFFECT	*H 36641A (F833)	STERL : FLY POPULATION CONTROL
H 36318A (S833)	PHOTON : ENERGY LEVEL PROBLEM	*H 36642A (F833)	GENE1 : GENETICS SIMULATION
H 36319A (S833)	REFLECT : LEAST TIME PRINCIPLE AND LIGHT		
H 36320A (S833)	SNELL : SNELL'S LAW	T 72050A (R904)	HPL0TB : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B
H 36321A (S833)	SPACE : SPACECRAFT ORBITS	T 72051A (C904)	HPPL0T : AUTOMATIC PLOTTING PROGRAM
H 36322A (S833)	VFIELD : POTENTIAL FIELD PICTURE		
H 36323A (S833)	VLOCTY : INSTANTANEOUS VELOCITY		



EDUCATIONAL USERS GROUP PROGRAM LIBRARY

VOLUME III

APPLICATION PROGRAMS

The Hewlett-Packard Company makes no warranty, expressed or implied, and assumes no responsibility in connection with the operation of the contributed program material attached hereto.

HEWLETT-PACKARD, SOFTWARE CENTER, 11000 Wolfe Road, Cupertino, California 95014 Area Code 408 257-7000 TWX 910-338-0221

5951-3042	2/72	Handbook
36400-90002	6/72	Addenda
36400-90003	10/72	Addenda
36400-90004	2/73	Addenda
36000-90673	6/73	Addenda

Printed in U.S.A. 6/72

Printed in U.S.A.

CLASSIFICATION CODE CATEGORY

(Not all categories have programs. Please refer to
Classification Code Listing for available programs in HP BASIC)

100 DATA HANDLING

101 EDITING
102 INFORMATION STORAGE AND RETRIEVAL
103 TABLE HANDLING
104 CHARACTER/SYMBOL MANIPULATION
105 CODE/RADIX CONVERSION
106 DUPLICATION
107 SORTING AND MERGING
108 DATA HANDLING UTILITIES
109 MEDIA CONVERSION
110 FILE MANAGEMENT
112 SPECIAL FORMAT DATA TRANSFER

200 TESTING, DEBUGGING AND PROGRAMMING AIDS

201 TRACING
202 INSTRUMENT TEST
203 DISC/DRUM EQUIPMENT TEST
204 MAGNETIC TAPE EQUIPMENT TEST
205 GRAPHIC EQUIPMENT TEST
206 MEMORY SEARCH AND DISPLAY
207 DUMPING
208 CORE STORAGE TEST
209 CENTRAL PROCESSING UNIT TEST
210 BREAK POINTS
211 DEBUGGING AIDS
212 PROGRAMMING AIDS
213 PAPER TAPE EQUIPMENT TEST
214 PUNCH CARD EQUIPMENT TEST
215 PRINTER EQUIPMENT TEST
216 A/D - D/A EQUIPMENT TEST
217 TELECOMMUNICATIONS EQUIPMENT TEST
218 SPECIAL DEVICE EQUIPMENT TEST
219 DATA ACQUISITION SYSTEMS TEST

300 MATH AND NUMERICAL ANALYSIS

301 MATHEMATICS, GENERAL
302 EXTENDED-PRECISION ARITHMETIC
303 COMPLEX ARITHMETIC
304 BCD/ASCII ARITHMETIC
305 BOOLEAN ALGEBRA
306 FUNCTIONS, COMPUTATION OF
307 INTERPOLATION/EXTRAPOLATION
309 CURVE FITTING
310 NUMERICAL INTEGRATION
311 POLYNOMIALS AND POLYNOMIAL EQUATIONS
312 MATRIX OPERATIONS
313 EIGENVALUES AND EIGENVECTORS
314 SYSTEMS OF LINEAR EQUATIONS
315 SYSTEMS OF NON-LINEAR EQUATIONS
316 INTEGRAL TRANSFORMS
317 NUMERICAL DIFFERENTIATION
318 ORDINARY DIFFERENTIAL EQUATIONS
319 PARTIAL DIFFERENTIAL EQUATIONS

400 PROBABILITY AND STATISTICS

401 UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS
402 TIME SERIES ANALYSIS
403 DISCRIMINANT ANALYSIS
404 REGRESSION ANALYSIS
405 RANDOM NUMBER GENERATORS
406 PROBABILITY DISTRIBUTION SAMPLING
407 NON-PARAMETRIC STATISTICS
408 STATISTICS, GENERAL
409 CORRELATION ANALYSIS
410 ANALYSIS OF VARIANCE AND COVARIANCE
411 FACTOR ANALYSIS
412 SCALING
413 GENERAL PROBABILITY

500 SCIENTIFIC AND ENGINEERING APPLICATIONS

501 SOCIAL AND BEHAVIORAL SCIENCES
502 GEOPHYSICS
503 GEOLOGY
504 OCEANOGRAPHY

505 PHYSICS
506 MEDICAL SCIENCES
507 CHEMISTRY
508 BIOLOGY
509 ASTRONOMY AND CELESTIAL NAVIGATION
510 PETROLEUM ENGINEERING
511 HYDRAULIC ENGINEERING
512 NUCLEAR ENGINEERING
513 ELECTRICAL ENGINEERING
514 MECHANICAL ENGINEERING
515 CIVIL ENGINEERING
516 CHEMICAL ENGINEERING
517 AERONAUTICAL ENGINEERING
518 STRUCTURAL ENGINEERING
519 SYSTEM THEORY

600 MANAGEMENT SCIENCES AND OPERATIONS RESEARCH

602 PERT
603 CRITICAL PATH ANALYSIS
604 OPTIMIZATION PROGRAMS
605 LINEAR PROGRAMMING
606 DISCRETE SYSTEMS SIMULATION
607 CONTINUOUS SYSTEMS SIMULATION
608 FORECASTING TECHNIQUES
610 DYNAMIC PROGRAMMING

700 BUSINESS AND MANUFACTURING APPLICATIONS

701 JOB REPORTING
702 QUALITY ASSURANCE PERFORMANCE ANALYSIS
703 QUALITY ASSURANCE TESTING
704 NUMERICAL CONTROL
705 BILL OF MATERIALS
706 PAYROLL ACCOUNTING
707 WORK-IN-PROCESS CONTROL
708 INVENTORY ANALYSIS
709 ACCOUNTS PAYABLE
710 SALES FORECASTING
711 ACCOUNTS RECEIVABLE
712 FINANCIAL ANALYSIS
713 INVESTMENT ANALYSIS
714 ECONOMIC ANALYSIS
716 BUDGETING PROGRAMS
717 BUSINESS INFORMATION SYSTEMS
718 BUSINESS SERVICES
720 EDUCATIONAL ADMINISTRATION

800 EDUCATION

801 MATHEMATICS (EDUCATION)
810 PROGRAMMING AND COMPUTER SCIENCE (EDUCATION)
820 ENGINEERING (EDUCATION)
830 ECONOMICS (EDUCATION)
833 SCIENCE (EDUCATION)
850 FINE ARTS (EDUCATION)
860 SOCIAL SCIENCE (EDUCATION)
863 HISTORY (EDUCATION)
870 ENGLISH (EDUCATION)
871 FOREIGN LANGUAGES (EDUCATION)
872 READING (EDUCATION)
880 BUSINESS (EDUCATION)
890 VOCATIONAL (EDUCATION)

900 UNCLASSIFIED

901 DEMONSTRATIONS
903 GAMES
904 PLOTTING ROUTINES
905 MICROCODE

INTRODUCTION

What is Hewlett-Packard?

From a two-man beginning some thirty years ago, Hewlett-Packard has developed into a major designer and manufacturer of electronics for measurement, analysis, and computation. HP customers in science, industry, medicine, and education know and appreciate Hewlett-Packard's reputation for technical excellence, quality, and reliability.

Over 100 world-wide offices sell and service the products of sixteen manufacturing facilities located in the United States, Europe, and the Far East. Specialized customer support (such as training, systems analysis and equipment rental) is available at domestic regional Data Centers in New Jersey, Georgia, Illinois, and California and international data centers in Italy, England, Germany, France, Canada, and Australia.

What is the HP BASIC Library?

One important facet of customer support is the collection and distribution of contributed software, from and for HP computer users. The HP BASIC Library contains contributed programs covering a variety of subjects, all written in the HP BASIC language. You can use these programs directly or as a starting point for developing your own special-purpose software. Many of the programs run on a "single terminal" BASIC system; however, some use sophisticated features available only to time-share system users.

How is the HP BASIC Library Organized?

Hewlett-Packard has categorized all programs within the following major areas of user interest:

- 1 - DATA HANDLING
- 2 - TESTING, DEBUGGING AND PROGRAMMING AIDS
- 3 - MATH AND NUMERICAL ANALYSIS
- 4 - PROBABILITY AND STATISTICS
- 5 - SCIENTIFIC AND ENGINEERING APPLICATIONS
- 6 - MANAGEMENT SCIENCES AND OPERATIONS RESEARCH
- 7 - BUSINESS AND MANUFACTURING APPLICATIONS
- 8 - EDUCATION
- 9 - UNCLASSIFIED

The four indices appearing at the beginning of the Handbook contain all BASIC programs available through the HP BASIC Program Library. Four separate handbooks are now available. The indices indicate in which of the four volumes the programs appear.

T = HP BASIC
E = EDUCATION
H = HUNTINGTON
S = STANFORD

The programs which appear in this Handbook are designated by an "E".

Program indices are by:

- Classification Code (In the Handbooks, programs are sequenced by classification code)
- Cross-reference Index
- Program Name (In alphabetical order)
- Order Number

Who Prepares These Programs?

Volume II contains programs prepared by the Huntington Computer Project and contributed as a block to the Educational Users Group Program Library. These programs have been copyrighted by the Huntington Project and remain their property but are available under a special agreement as a part of the Program Library.

Volume II now contains programs developed by the Huntington II Project at the State University of New York. This work was partially supported by the National Science Foundation, Grant GW-5883.

Hewlett-Packard **supported programs** written in HP BASIC are now listed in the Educational Users Group Handbook, Volume III, Applications Programs, and the HP BASIC Handbook or general programs. They are distinguished by a stripe. **Contributed programs** in HP BASIC which have been submitted by users of HP computer systems throughout the world are listed in the HP BASIC Handbook, The Educational Users Group Handbooks, including the Stanford Graduate School of Business Handbook. The Educational Handbooks contain programs which are oriented for instructional purposes.

Contributions to our library are from many disciplines and various applications. HP personnel at the Software Center run and check the documentation for each program, but because it is impractical to test these programs under all possible conditions, Hewlett-Packard cannot assume responsibility for errors. Therefore, please report any errors you might find to the Software Center for forwarding to the program contributors.

How Can I Make Use of These Programs?

This handbook contains operating instructions, a sample RUN and Listings for each program. If the time-share system your terminal accesses has these programs in its system library, you merely GET the program preceding the name by a "\$." Otherwise, you may enter the

program from your terminal by duplicating the information in the listing.

The system on which the program was tested by Software Center personnel is listed under "Systems Specifications" in the Handbooks, and it is indicated in the Indices as the leading alpha of the classification code. Its versatility to RUN on other time-sharing systems can be determined from its program features. The following chart was designed to be used in conjunction with the program listings from the BASIC Handbooks.

Program Features	2000A	2000B	2000C	2000E	2000C High-Speed 2000F
Maximum Program Size	5100 Words	5100 Words	10000 Words	4180 Words	10000 Words
Maximum Number of Files	8	8	16	4	16
Maximum Number of Records/File	128	128	32767	48	32767
Maximum Number of Words/Record	64	64	256	128	256
Programmable Functions:					
TIME		X	X	X	X
ENTER		X	X		X
COMMON		X	X	X	X
CHAIN		Chain-Name X	Chain-Name, Statement No. X	Chain-Name X	Chain-Name, Statement No. X
PRINT USING (IMAGE)			X		X
BRK					X
ASSIGN			X		X
RESTARTABLE RND			X	X	X
SPACE			X		X
LINE			X		X

How Can I Order These Programs?

Contact your local HP sales office to order any of the material from the library, (except HP subscriptions).

To order magnetic tapes of all contributed BASIC software, contact your local HP sales office and ask for:

HP Part No. 02000-90029 2000C Mag Tape \$25.00
 HP Part No. 02000-90060 2000C'/F Mag Tape 25.00
 HP Part No. 02000-90059 2000E Disc Cartridge 150.00*

* Price includes disc. If you return your user cartridge with your order, the price is \$25.

Individual Programs On Paper Tape and Handbooks

Programs include punched paper tape and documented user procedures. Price, \$10 per program or otherwise noted on program documentaion to cover the cost of reproduction and handling. **Licensed HP-supported programs are available only with the purchase of an HP time-share system.**

Note: The June 1973 Addenda to the HP BASIC Library Handbooks is a single package, including both the HP BASIC Handbook Addenda and the Educational Users Group Addenda. The order number assigned to this addenda (HP 36000-90673) reflects the issue date in the last 3 digits.

To order individual Handbooks from your local sales office, use the following:

Title	Date	Part Order No.	Price
HP BASIC Program Library Handbook	June '72	36000-90001	\$10
HP BASIC Program Library Handbook Addenda	Oct. '72	36000-90002	\$ 3
HP BASIC Program Library Handbook Addenda	Feb. '73	36000-90003	\$ 3
Educational Users Group Program Library—Vol. II			
Huntington Computer Project	Feb. '72	5951-3041	\$ 5
Educational Users Group Program Library—Vol. III			
Application Programs	Feb. '72	5951-3042	\$ 5
Educational Users Group Program Library—Vol. IV			
Stanford Graduate School of Business Handbook	Oct. '72	36500-90001	\$ 5
Educational Users Group Program Library—Addenda	June '72	36400-90002	\$ 3
Educational User Group Program Library—Addenda	Oct. '72	36400-90003	\$ 3
Educational Users Group Program Library—Addenda	Feb. '73	36400-90004	\$ 3
HP BASIC & Educational Users Group Program Library Addenda	June '73	36000-90673	\$ 6

Note: Educational Users Group Program Library Volume I, Guide to Educational Support (HP 5951-3040) is obsolete and has been discontinued.

OTHER LIBRARY PUBLICATIONS

The following is a list of documentation not included in the Library Handbooks. They should be ordered to fully document the programs referenced.

Title	Date	Order No.	Price
FINDIT Users Manual	Feb. '73	36250A, Option D00	\$ 5
TIDE Text Editor	Oct. '71	36200 Option D00	\$ 5
CTC1 Documentation	Feb. '73	36210B	\$ 5
CTC2 Documentation	Feb. '73	36211B	\$ 5
CTC3 Documentation	June '73	36212B	\$ 5
CTC4 Documentation	June '73	36213B	\$ 5
CTC5 Documentation	Feb. '73	36214B	\$ 5
CTC6 Documentation	June '73	36638A	\$ 5

How to Update These Volumes?

This handbook was produced, three-hole punched, and stapled so that users can unbind them and keep them in a loose-leaf notebook.

A 2" capacity binder is available from Hewlett-Packard. Order HP Part No. 9282-0069 (to match your other HP System manuals.)

Updates will be issued once every four months. The updates will contain revisions and additional programs. The updates should be merged with the original to produce single volumes.

HP BASIC SUBSCRIPTION SERVICES

(available only to users in the North American countries)

PAPER TAPE SUBSCRIPTIONS

To subscribe, mail Hewlett-Packard a check for \$250 (plus applicable state and local taxes). When we receive a paper tape subscription, we send the subscriber a booklet containing 50 coupons. Discounted punched paper tapes may then be procured via coupon or coupons as follows: (Check the documentation—if no price appears, the program is \$10.)

NORMAL PROGRAM PRICE	COUPONS REQUIRED
\$10 to \$40	1
50 to 90	2
100 to 140	3
150 to 190	4
200 to 240	5

MAGNETIC TAPE SUBSCRIPTIONS

A "two-year" magnetic tape subscription service of contributed BASIC programs is available to 2000C System owners for \$100 (plus applicable state and local taxes). When we receive a magnetic tape subscription, we send the subscriber a current magnetic tape plus a coupon book for five additional magnetic tapes (released periodically). The coupon book consists of five self-addressed prepaid mailing cards. The subscriber simply mails a card each time a new addendum is released. Each new index announces a new addendum.

HP BASIC HANDBOOK SUBSCRIPTIONS

A "two-year" handbook subscription service for a choice of any three of the handbooks is available to HP users for \$25 (plus applicable state and local taxes). When we receive a handbook subscription, we send the subscriber the current set of the three volumes he has requested, plus a coupon book to handle future addenda when they are announced in the Index. The user will receive addenda released between June 1972 and June 1974.

To order any of the above subscriptions, make your check payable to Hewlett-Packard Company and mail to:

Hewlett-Packard Company
Software Distribution
11000 Wolfe Road
Cupertino, California 95014

When Will New Programs be Added?

New programs are continually added to the library. A new "INDEX TO HP BASIC PROGRAM LIBRARY" is published every February, June, and October. The Index announces the release of new addenda, lists all the programs to date in the BASIC Library (by cross reference words); and flags new, revised, and HP-supported programs. Using the Index (5952-4639) you can learn about new additions, contribute your own programs and report any software bugs. Copies of the Index are complimentary and may be obtained from your local HP Sales and Service office.

How Do I Interpret the Listings?

The ASCII characters "Control N" and "Control O" when used in a PRINT statement, generate linefeed and carriage return on the TTY terminal during a RUN. During a LIST these characters are not printed by a TTY. On HP 2778 and the HP 2610 line printer listing, these characters are printed as "N" and "O" respectively. Listings in some Handbooks were prepared on these line printers.

What Related Information is Available?

There are a number of manuals and documents relating to HP 2000 series Time-Sharing Systems that may be of value to users of the Handbook. These include:

Language Manuals:

2000C: A GUIDE TO TIME-SHARED BASIC (02000-90016) — June, 1972

A GUIDE TO HP EDUCATIONAL BASIC (02116-91773) — September, 1971

HP BASIC (02116-9077) — April, 1970

2000A: A GUIDE TO TIME-SHARED BASIC (02000-90002) — August, 1970

2000F: A GUIDE TO TIME-SHARED BASIC (02000-90044) — August, 1972

Operating System Manuals:

2000C: TIME-SHARED BASIC OPERATOR'S GUIDE (02000-900017) — June, 1972

2000B TO 2000C CONVERSION PROGRAM GUIDE (02000-90031) — April, 1971

2000F: TIME-SHARED BASIC SYSTEM OPERATOR'S GUIDE (02000-90045) — August, 1972

2000A: TIME-SHARED BASIC SYSTEM OPERATOR'S GUIDE (02000-90001) — September, 1970

2000A TO 2000B CONVERSION GUIDE (02000-90011) — August, 1970

Educational Applications Manuals:

2000C/2000F SYSTEM OPERATOR INSTRUCTIONS FOR EDUCATIONAL APPLICATION (02000-90046) – December, 1972

2000C/2000F INSTRUCTIONAL MANAGEMENT FACILITY AND INSTRUCTIONAL DIALOGUE FACILITY—PROCTORS MANUAL (02000-90047) – December, 1972

2000C/2000F MATHEMATICS DRILL AND PRACTICE PROGRAM—PROCTORS MANUAL (02000-90051) – December, 1972

2000C/2000F INSTRUCTIONAL DIALOGUE FACILITY—AUTHORS MANUAL (02000-90055) – January, 1973

2000C/2000F MATHEMATICS DRILL AND PRACTICE PROGRAM—TEACHERS HANDBOOK (02000-90052) – December, 1972

COPYFL (02000-90032) – September, 1971

EDCALC (02000-90033) – September, 1971

INITIALIZATION (02000-90034) – September, 1971

INTEGER TO STRING (02000-90035) – September, 1971

DATE AND TIME (02000-90036) – September, 1971

2000C/2000F INTRODUCTION TO MATHEMATICS DRILL AND PRACTICE (02000-90050) – August, 1972

2000C/2000F MATHEMATICS DRILL AND PRACTICE CURRICULUM GUIDE (02000-90053) – August, 1972

COURSE DEVELOPERS' MANUAL FOR IDF-1 AND IMF-1 (02000-90061) – February, 1973

UPSHIFT (02000-90037) – September, 1971

CHARACTER REMOVAL (02000-90038) – September, 1971

KEY WORD SEARCH (02000-90039) – September, 1971

DOWNSHIFT (02000-90040) – September, 1971

STRING MATCH WITH "DON'T CARES" (02000-90041) – September, 1971

STRING TO NUMBER (02000-90042) – September, 1971

STUDENT RESPONSE ANALYSIS (02000-90043) – September, 1971

The preceding publications are available at nominal cost through your local HP sales office.

In addition, both 35mm slides and video tape instructional courses on programming in the BASIC language have been prepared. Again, contact the nearest HP sales office for more information.

The HP Program Catalog lists abstracts for over 700 programs written in FORTRAN, ALGOL, and HP Assembly Language suitable for various configurations of non BASIC language Systems. This catalog is available at no charge from your local HP sales and support office. 5950-9226

An active educational group for BASIC language computer users also invites inquiries. For more information on this activity, contact the Executive Secretary; Educational Users' Group, Hewlett-Packard Company; 11000 Wolfe Road, Cupertino, California 95014.

CLASSIFICATION CODE LISTING

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
S = Single Terminal

Volume	System Specification	Classification Code	Order No.	Name	Title	Volume	System Specification	Classification Code	Order No.	Name	Title
T	(A101)	36003A		MACRO	: A TEXT AND FILE PROCESSING SYSTEM	S	(C405)	36551A		GWRULL	: SUBJECTIVE PROBABILITY - RANDOM VALUES
T	(C101)	36200B		TIDE	: TEXT EDITOR FOR THE 2000C	T	(A406)	36041A		HINOPO	: PROBABILITY DISTRIBUTION COMPARISONS
T	(A101)	36204A		TIDEX	: SYMBOLIC FILE EDITOR	S	(C406)	36549A		GTASPD	: SUBJECTIVE PROBABILITY DISTRIBUTION
T	(A102)	36004A		SLSMN	: SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	(A407)	36042A		CHISQ	: COMPUTES PROBABILITY OF CHI-SQUARE VALUES
T	(A102)	36231A		ADDRESS	: ADDRESS LABELS	T	(A407)	36043B		CHISQ5	: CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES
*T	(C102)	36250B		FINDIT	: INFORMATION RETRIEVAL SYSTEM	T	(A407)	36052A		STAT2	: MANN-WHITNEY 2 SAMPLE RANK TEST
*T	(F102)	36284A		MESSAG	: INTERTERMINAL COMMUNICATOR	T	(A407)	36053A		STAT3	: SPEARMAN RANK CORRELATION COEFFICIENTS
T	(A104)	36005B		FORMAT	: ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	*T	(F407)	36606A		FISHER	: FISHER'S EXACT PROBABILITY TEST
T	(B104)	36117A		DATES	: COMPUTES DATE FROM SYSTEM CLOCK	T	(A408)	36001A		LOGRAM	: LOG-ON TAPE ANALYZER
T	(B104)	36125B		HELLO	: TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	T	(A408)	36045A		GEOMEN	: STATISTICS OF GEOMETRIC DISTRIBUTION
T	(A104)	36176A		STGINT	: STRING-INTEGGER CONVERSIONS	T	(A408)	36055B		HISTOG	: A HISTOGRAM FORMED FROM A SET OF NUMBERS
T	(C104)	36220A		CHARS	: ASCII CHARACTER SET	T	(A408)	36120A		FC	: ANALYSIS OF LOG TAPE
T	(C104)	36256B		ASCII	: CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	T	(A408)	36136A		SCORES	: COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES
T	(C104)	36257A		-ASCII	: ASCII CODE GENERATOR	T	(A408)	36137A		KR20	: ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY
T	(A104)	36258A		KEYSIG	: GIVES MAJOR SCALES	T	(A408)	36191B		FRQ	: FREQUENCY BETWEEN BOUNDRIES
T	(A104)	36259A		MUSICS	: FINDS DOMINANT SEVENTHS	S	(C408)	36541A		GRANK	: RANKING STATISTICS
*T	(F104)	36296A		ALFTOV	: ALPHA TO VARIABLE CONVERSION	T	(A410)	36039B		ANVAR1	: ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN
*T	(F104)	36297A		TIMER	: TIME OF THE DAY	T	(A410)	36040B		ANVAR2	: ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)
*T	(F104)	36298A		DATER	: DATE AND DAY OF THE WEEK	T	(A410)	36172A		ANVAR3	: ANALYSIS OF VARIANCE FOR TWO VARIABLES OF CLASSIFICATION DESIGN
T	(C104)	36548A		GTAPIO	: PAPER TAPE TITLER	T	(A410)	36173A		ANVAR4	: TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT
T	(C107)	36122A		SORT	: FILE SERIAL STRING SORT	*T	(F410)	36271A		ANOVA3	: THREE FACTORIAL ANALYSIS OF VARIANCE
T	(C107)	36145A		STGSTR	: SORTS STRINGS FROM FILES	*T	(A410)	36294A		ANCOV	: ANALYSIS OF COVARIANCE
T	(A107)	36206A		FILSOR	: FILE POINTER SORT/POINTER SORT	S	(C410)	36501A		GANOVA	: ANALYSIS OF VARIANCE (2-WAY)
T	(A107)	36206A		POISOR	: FILE POINTER SORT/POINTER SORT	*T	(F410)	36607A		STAT19	: KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE
T	(C107)	36232A		IRV	: FILE SORT ROUTINE	T	(S509)	36180A		SUNSET	: SUNRISE-SUNSET PREDICTOR
*T	(A107)	36292A		ALPHA	: ALPHANUMERIC SORT	T	(A511)	36061A		LQVALV	: COMPUTES LIQUID CONTROL VALVE COEFFICIENTS
T	(A108)	36197A		JULIAN	: JULIAN CALENDAR FOR THE CURRENT YEAR	T	(A513)	36056A		ANALAD	: CIRCUIT ANALYSIS
T	(A108)	36218A		HPMLUT	: LIST/DUMP HP ASSEMBLER FILES	T	(A513)	36057A		ACNOOE	: AC CIRCUIT ANALYSIS PROGRAM
T	(A108)	36218A		HPMLIT	: LIST/DUMP HP ASSEMBLER FILES	T	(A513)	36060A		LPFLTR	: DESIGNS LOW-PASS FILTERS
*T	(F108)	36248A		TALK	: TIME SHARING SYSTEM COMMUNICATION	T	(A513)	36062A		MICRO	: MICROWAVE PARAMETERS CONVERSION
T	(C108)	36272A		NEWIOS	: CREATES NEW USER NUMBERS	T	(A513)	36064A		MIXSPR	: MIXER SPURIOUS RESPONSE PROGRAM
T	(C108)	36272A		FILIS	: FILE LISTING PROGRAM/INSTRUCTIONS	*T	(F513)	36293A		ACTFIL	: ACTIVE FILTER DESIGN
*T	(F108)	36279A		FILISL	: FILE LISTING PROGRAM/INSTRUCTIONS	T	(A514)	36058A		HTXFR	: TWO DIMENSIONAL HEAT TRANSFER
*T	(F108)	36278A		JULI	: ONE PAGE JULIAN CALENDAR	*T	(F514)	36635A		METRIC	: CONVERTS ENGLISH TO METRIC
T	(A110)	36006A		CALNOR	: PRINTS A CALENDAR	T	(A515)	36109A		REMDES	: RECOMMENS CORRECT STEEL BEAM USE
T	(A110)	36007A		FILMAN	: FILE MANAGER	T	(A516)	36059A		DFBYE	: COMPUTES DEBYE OR EINSTEIN FUNCTION
T	(A110)	36008C		FILIN	: KEYBOARD FILE LOADING PROGRAM	T	(A519)	36063A		TMFCEV	: TIME FUNCTION EVALUATOR
T	(A110)	36009C		FILDUM	: PAPER TAPE FILE DUMP	T	(A603)	36171B		CPATH	: CRITICAL PATH EVALUATION
T	(A110)	36010C		FILIST	: LISTS FILE CONTENTS BY RECORD NUMBER	S	(C603)	36504A		GCPTH	: CRITICAL PATH ANALYSIS
T	(A110)	36011A		FILOAD	: LOADS A FILE FROM THE TELETYPE	S	(C603)	36505A		GCPMI	: CRITICAL PATH ANALYSIS
T	(A110)	36012B		FILREA	: REENTERS THE DATA TAPE DUMPED BY FILDUM	S	(C604)	36529A		GNETFL	: NETWORK FLOW
T	(B110)	36221A		FLOCOY	: COPIES ONE FILE INTO ANOTHER	T	(A605)	36068B		LINPRO	: LINEAR PROGRAMMING MODEL
T	(B110)	36221A		XTRACT	: FILE UTILITY PROGRAM	T	(A605)	36230A		TRANSP	: TRANSPORTATION PROBLEM
*T	(F110)	36247A		TAPDUM	: FILE UTILITY PROGRAM	S	(C605)	36512A		GINTLP	: LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO
T	(C205)	36185A		FILRPT	: REPORTS FILE CONTENTS AND STRUCTURE	T	(S605)	36516A		GLP	: LINEAR PROGRAMMING
T	(A211)	36116A		TERTES	: TELETYPE-CRT DIAGNOSTIC	T	(S605)	36517A		GLPSAI	: LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD
T	(C211)	36143C		BASTES	: BASIC TEST PROGRAM	T	(A606)	36065C		DECSN	: TOP MANAGEMENT DECISION GAME
				XHEF	: BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	S	(C606)	36550A		GVOTE	: COMMITTEE CHOICE ANALYSIS
*T	(F212)	36287A		DATA	: DUMPS FILE TO DATA STATEMENTS	S	(C607)	36552A		GSSS	: SMALL SYSTEMS SIMULATOR
T	(A217)	36013A		TESTTY	: TESTS THE OPERATION OF A REMOTE TELETYPE	T	(A609)	36069A		LNTWND	: LINEAR TREND FORECASTING
T	(A301)	36034A		SPHERE	: SOLVES SPHERICAL TRIANGLES	T	(A610)	36067A		DYNPRO	: DYNAMIC PROGRAMMING MODEL
T	(A301)	36035B		EUCLIO	: COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	*T	(A706)	36213B		CTC4	: CTC RAYROLL PROGRAMS
T	(A301)	36036A		SORS	: AN INTEGER AS THE SUM OF FOUR SQUARES	T	(A708)	36177A		REP	: DATA CENTER INVENTORY REPORT GENERATOR
T	(A301)	36037A		FACTOR	: FINOS PRIME FACTORS OF POSITIVE INTEGERS	T	(A708)	36177A		IN	: DATA CENTER INVENTORY REPORT GENERATOR
T	(B301)	36131A		CALCOM	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T	(A708)	36210B		CTC1	: CTC MANUFACTURING PARTS CONTROL
T	(B301)	36131A		CALPLT	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	(A708)	36211B		CTC2	: CTC INVENTORY CONTROL FOR FINISHED PRODUCTS
T	(A301)	36168A		CALC2	: THREE REGISTER CALCULATOR PROGRAM	*T	(F709)	36638A		CTC6	: CTC ACCOUNTS PAYABLE
T	(A302)	36015A		CALC	: EXTENDED PRECISION CALCULATOR	T	(A710)	36095A		SALES	: SALES COMMISSION REPORT
*T	(A302)	36016B		LRGNUM	: LARGE NUMBER ADDITION & MULTIPLICATION	T	(A711)	36214B		CTCS	: CTC ACCOUNTS RECEIVABLE
T	(A302)	36144A		EXTPRE	: 40-DIGIT PRECISION MATHEMATICS	T	(A712)	36074A		ANNUIT	: ANNUITY ANALYSIS
T	(A303)	36017A		FNCPTS	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	(A712)	36075A		BALSHT	: PROFORMA INCOME STATEMENT AND BALANCE SHEET
T	(A303)	36018A		SQR(Z)	: COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	(A712)	36082A		DEPCOM	: DEPRECIATION METHOD COMPARISON
T	(A303)	36118A		CXARTH	: VECTOR ARITHMETIC	T	(A712)	36083A		EQUITY	: COST OF EQUITY CAPITAL
T	(A303)	36119A		CXEXP	: VECTOR EXPONENTIATION	T	(A712)	36089B		INSTMT	: INCOME STATEMENT
T	(A306)	36019A		RESSEL	: CALCULATES BESSEL FUNCTION OF FIRST KIND	T	(A712)	36090A		LENDER	: SIMPLE LOAN ANALYSIS
T	(S309)	36188A		POLY	: POLYNOMIAL APPROXIMATION	T	(A712)	36091A		LESSEE	: LEASE ANALYSIS AS DETERMINED BY THE LESSEE
T	(A309)	36246A		POLFIT	: FITS LEAST-SQUARES POLYNOMIALS	T	(A712)	36093A		MKBUY	: MAKE-BUY DECISION ANALYSIS
T	(A310)	36021A		INTGRT	: COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	(A712)	36094B		MORGAG	: MORTGAGE ANALYSIS
*T	(A310)	36022B		ROMINT	: INTEGRATES A FUNCTION (ROMBERG METHOD)	T	(A712)	36142B		CSHFL	: CASH FLOW ANALYSIS
T	(A311)	36024A		ROOTER	: FINDS THE ROOTS OF POLYNOMIALS	T	(C712)	36194A		LEASIN	: LEASE INCOME
T	(A312)	36025A		COETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	T	(C712)	36226A		LOAN	: LOAN AMORTIZATION
T	(B312)	36263A		DETER4	: DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	S	(C712)	36510A		GFNRAT	: FINANCIAL RATIOS
T	(A314)	36026A		SIMEQN	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	S	(C712)	36513A		GIRRPV	: INVESTMENT RETURN (CASH FLOW)
T	(A314)	36027A		CROUIT	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	(A713)	36076B		GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT
T	(A314)	36196A		SOLVIT	: SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	T	(A713)	36077A		BNDPRC	: BOND PRICE ANALYSIS
S	(C314)	36547A		GSIMEQ	: SIMULTANEOUS LINEAR EQUATIONS	T	(A713)	36078B		BNDSWH	: BOND SWITCH ANALYSIS
T	(A316)	36028A		CTRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	T	(A713)	36079A		BNDYLD	: BOND YIELD ANALYSIS
T	(A316)	36029A		RTCFFT	: REAL TO COMPLEX FAST FOURIER TRANSFORM	T	(A713)	36080A		BNKRSV	: BANK RESERVE CALCULATIONS
T	(A316)	36030A		GFFT	: GENERAL FAST FOURIER TRANSFORM	T	(A713)	36084A		CAPINV	: CAPITAL INVESTMENT ANALYSIS
T	(A317)	36031A		DERIV	: DERIVATIVE OF A FUNCTION AT A POINT	T	(A713)	36085A		EXDRSK	: EXTENDED RISK ANALYSIS
T	(A318)	36032A		DE-1OR	: 1ST ORDER DIFFERENTIAL EQUATION	T	(A713)	36092A		EXSMOQ	: EXPONENTIAL SMOOTHING ON PRICE DATA
T	(A318)	36033A		DE-2OR	: 2ND ORDER DIFFERENTIAL EQUATION	T	(A713)	36096A		MARROW	: SECURITIES PORTFOLIO USING MARKOWITZ MODEL
T	(A401)	36170A		T-TEST	: TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	T	(A713)	36098A		STKINC	: STOCK MERGER INCENTIVE PROGRAM
T	(A404)	36023B		POLFIT	: FITS LEAST-SQUARES POLYNOMIALS	T	(A713)	36099A		STKRTN	: STOCK RETURNS REPORT
T	(A404)	36038C		CURFIT	: PERFORMS LEAST-SQUARES FIT	T	(A713)	36100A		STKSMO	: EXPONENTIAL SMOOTHING AS A STOCK GUIDE
T	(A404)	36054B		REGCOR	: REGRESSION/CORRELATION	T	(A713)	36101A		STKVAL	: STOCK VALUE & EVALUATION REPORT
T	(A404)	36178A		MULREG	: MULTIPLE REGRESSION/CORRELATION	T	(C713)	36179A		TRUINI	: TRUE ANNUAL INTEREST RATE ANALYSIS
T	(A404)	36186A		MULTX	: LEAST-SQUARES FIT, MULTIPLE Y'S PER X	S	(C713)	36503A		DROIPIB	: DISCOUNTED RETURN ON INVESTMENT AND PAYBACK
S	(C404)	36542A		GRGPLT	: SIMPLE REGRESSION AND PLOT	S	(C713)	36507A		GCHLIN	: RATING INVESTMENT FUNDS
T	(A405)	36050B		RANDEV	: GENERATES RANDOM DEVIATES-SUBROUTINE	S	(C713)	36508A		GDAPI	: ABNORMAL PERFORMANCE INDEX
T	(A405)	36203A		RANDOM	: RANDOM NUMBER GENERATOR					GDPA	: EFFICIENT 'CORNER' PORTFOLIOS
T	(B405)	36264A		RNDORD	: PLACING INTEGERS IN RANDOM ORDER						

CLASSIFICATION CODE LISTING

S (C713)	36514A	GKASSF : WARRANT PRICE CALCULATION	E (B833)	36261A	ISOMER : DRILL ON NAMING ALKANES
S (C713)	36515A	GKCSST : PRICE/EARNINGS RATIO CALCULATION	E (B833)	36266A	IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS
S (C713)	36530A	GNMVRB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	E (B833)	36267A	ELMENT : DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS
S (C713)	36530A	GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	*E (F833)	36295A	CHEM : SELF-CORRECTING CHEMISTRY TEST
S (C713)	36545A	GSTKVL : STOCK VALUATION	H (S833)	36300A	DROS : GENETIC CHARACTERISTICS
S (C713)	36553A	GTHOR : SECURITIES EPS GROWTH	H (S833)	36301A	EVOLU : NATURAL SELECTION EXPERIMENT
S (C713)	36554A	GVPDQT : PLOTTING DATA	H (S833)	36302A	GAMGN : PROCESS OF GAMETOGENESIS
S (C713)	36554A	VPDQ : PLOTTING DATA	H (S833)	36303A	NZYM : ENZYME REACTION RATES
S (C713)	36557A	VRRC : INVESTMENT STRATEGY ANALYSIS	H (S833)	36304A	NZYM2 : ENZYME REACTION RATE
T (A714)	36086A	GNPSUM : GROSS NATIONAL PRODUCT SUMMARY	H (S833)	36305A	PHOSYN : PHOTOSYNTHESIS EXPERIMENT
T (A714)	36087A	INACNT : NATIONAL INCOME & PRODUCT ACCOUNTS	H (S833)	36306A	DECAY1 : RADIOACTIVE DECAY GAME
T (A714)	36088A	IN/OUT : INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	H (S833)	36307A	DECAY2 : NUCLEAR DECAY
T (A716)	36073A	BUDGET : DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	H (S833)	36308A	EQUIL1 : EQUILIBRIUM SYSTEMS
T (A716)	36111A	EXPEND : BUDGET EXPENDITURES VS. TARGETS MONITOR	H (S833)	36308A	EQUIL2 : EQUILIBRIUM SYSTEMS
T (A717)	36113B	RECRUT : RECRUITING INFORMATION SYSTEM	H (S833)	36309A	KINET : KINETIC REACTION
*T (A717)	36212B	CTC3 : CTC PROJECTION PROGRAMS	H (A833)	36310A	MASSD : MASS DEFECT
T (C718)	36164B	IATA.1 : CALCULATE AIR FREIGHT RATES	H (S833)	36311A	PRCNT : PERCENT COMPOSITION
T (C718)	36174A	TRCK.1 : CALCULATE TRUCK FREIGHT RATES	H (S833)	36312A	RFIELD : MAGNETIC FIELD PICTURE
T (C718)	36241A	IATA.C : CALCULATES BREAKPOINT OF IATA CONTAINERS	H (S833)	36313A	ROHR : ENERGY LEVEL DIAGRAM
T (A720)	36072A	SALSIM : SALARY SCHEDULE COST SIMULATOR	H (S833)	36314A	CALORI : CALORIMETRY EXPERIMENT
E (C720)	36202A	ATTEND : ABSENTEE LISTING	H (S833)	36315A	KINERV : REVIEW OF KINEMATICS
*T (F720)	36282A	COLLEG : COLLEGE REGISTRATION DEMO	H (S833)	36316A	NEWTN2 : NEWTON'S 2ND LAW
H (S720)	36340A	AVERGI : AVERAGES AND CURVES GRADES	H (S833)	36317A	PHOTEL : PHOTOELECTRIC EFFECT
H (S720)	36341A	FREQ : BAR GRAPHS OF GRADES	H (S833)	36318A	PHOTON : ENERGY LEVEL PROBLEM
H (S720)	36342A	GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H (S833)	36319A	REFLCT : LEAST TIME PRINCIPLE AND LIGHT
H (S720)	36343A	ITEMI : NUMBER FREQUENCIES	H (S833)	36320A	SNELL : SNELL'S LAW
H (S720)	36344A	STAT : STATISTICAL ANALYSIS OF LAB DATA	H (S833)	36321A	SPACE : SPACECRAFT ORBITS
T (C720)	36518A	GMARKS : GSB GRADING PROGRAM	H (S833)	36322A	VFIELD : POTENTIAL FIELD PICTURE
T (C720)	36518A	GEDIT : GSB GRADING PROGRAM	H (S833)	36323A	VLOCY : INSTANTANEOUS VELOCITY
E (C800)	24241B	IDF : INSTRUCTIONAL DIALOGUE FACILITY	H (S833)	36324B	WAVES : SUM OF TWO WAVES
E (C800)	24242B	EXEC : CAI EXECUTIVE PACKAGE	H (S833)	36325A	CLOUDS : CLOUD FORMATION
E (A800)	24244A	SUBRTN : CAI SUBROUTINES	H (S833)	36326A	WATER1 : WATER BUDGET PROBLEM CHECK
E (A801)	20879B	MATHB : CAI MATH PACKAGE (2000B VERSION)	H (S833)	36327A	WATER2 : WATER BUDGET
E (C801)	24243B	MATHC : CAI MATH PACKAGE (2000C VERSION)	H (S833)	36350A	PLANK : A PHOTOELECTRIC SIMULATION
E (B801)	36128A	TENS : DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	H (A833)	36351A	SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT
E (B801)	36129A	DRILL : BASIC ARITHMETIC DRILL	E (S833)	36353A	AFLIFE : JOHN CONWAY'S GAME OF LIFE
E (B801)	36130A	TWOUES : MATHEMATICAL GAME OF TWENTY QUESTIONS	*E (F833)	36603A	ALEHA : PROPAGATION OF ERROR
E (A801)	36133A	WKSHT : GENERATES MATH WORKSHEETS	*H (A833)	36611A	MEMBR : DIFFUSION EXPERIMENT
E (A801)	36159A	DIFFEQ : CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	*H (A833)	36613A	ATWT : CALCULATES ATOMIC WEIGHT
E (A801)	36182A	SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	*H (A833)	36614A	AVGGA : AVOGADRA'S NUMBER
E (A801)	36205A	CADAII : COMPUTER ASSISTED ARITHMETIC DRILL	*H (A833)	36615A	EMPIR : CALCULATES EMPIRICAL FORMULAS
E (A801)	36205A	CADA1M : COMPUTER ASSISTED ARITHMETIC DRILL	*H (A833)	36616A	MOLAR : ACD-BASE TITRATION
E (A801)	36205A	CADAIP : COMPUTER ASSISTED ARITHMETIC DRILL	*H (A833)	36617A	PHPOH : PH, POH, PCT, DISSOCIATION
E (A801)	36227A	FACTRL : FACTORIALS TO 1000 PLACES	*H (A833)	36618A	STOICH : MASS VOLUME
E (C801)	36237A	TRIFAC : FACTORING QUADRATIC TRINOMIALS	*H (A833)	36629A	EFIELD : ELECTRIC FIELD STRENGTH
E (C801)	36238A	SIPHAC : PRACTICE WITH SIGNED NUMBERS	*H (A833)	36630A	LENSES : SOLVES LENS PROBLEMS
E (C801)	36239A	POLSUB : POLYNOMIAL SUBTRACTION	*H (A833)	36631A	PRJTL : PROJECTILE MOTION
E (C801)	36240A	BISGAR : SQUARING BINOMIALS	*H (F833)	36639A	POLUT : WATER POLLUTION SIMULATION
E (B801)	36251A	LOGIC : LOGIC EXAMINATION PROGRAMS	*H (F833)	36641A	STERL : FLY POPULATION CONTROL
E (C801)	36253A	EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	*H (F833)	36642A	GENE1 : GENETICS SIMULATION
E (B801)	36262A	CXSYS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E (A850)	36276A	MUSIC2 : TRIAD SOLVING PROGRAM
E (A801)	36265A	GAME : CLASSIC MATRIX OF GAME THEORY	E (B860)	36187A	WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM
E (C801)	36277A	OIMIS : X-Y AXIS SEGMENT PROGRAM	E (S860)	36288A	BALANC : TRADE AND PAYMENT BALANCES
*E (C801)	36278A	SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	H (S860)	36329A	BANK : SOLVES FINANCIAL PROBLEMS
H (S801)	36333A	CRVLEN : COMPUTES LENGTH OF ANY CURVE	H (S860)	36330A	CONSPM : DEPRESSION/EQUILIBRIUM
H (S801)	36336A	RATIO : SOLVES PROPORTIONS	H (S860)	36331A	STOCK : STOCK MARKET SIMULATION
H (S801)	36337A	SETS : UNION AND INTERSECTION OF SETS	*E (F860)	36604A	CHARGE : CHARGE ACCOUNT SIMULATION
H (S801)	36338A	SURFAC : AREA OF SURFACE OF REVOLUTION	*E (F860)	36640A	POLSYS : SIMULATION OF CITY COUNCIL
H (S801)	36339A	VOLSOL : VOLUME OF SOLID OF REVOLUTION	L (C871)	36175A	CARLOS : COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II
E (S801)	36360A	BAGELS : THREE-DIGIT NUMBER GUESSING	E (A880)	36002B	SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*E (F801)	36602A	TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS	E (A880)	36002B	MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*H (A801)	36620A	CVAREA : AREA UNDER CURVE	E (A880)	36002B	RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*H (A801)	36622A	LIMSIN : LIMIT OF (SIN X)/X	E (B880)	36193A	SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36623A	PI : CALCULATES PI	E (B880)	36193A	MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36625A	ROOTS2 : QUADRATIC EQUATION SOLVER	E (B880)	36193A	MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36626A	SLOPE : FINDS DERIVATIVES	E (B880)	36193A	RITE1 : MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A801)	36627A	SQRT : FINDS SQUARE ROOT	E (A890)	36199A	MRKSIM : MARKETING SIMULATION
*H (A801)	36628A	STATAL : ARITHMETIC MEAN	E (C880)	36209A	SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C
E (A810)	36014A	STOP : TIES MATH CALCULATOR PACKAGE	E (C880)	36209A	MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C
E (A810)	36139A	TUTOR : TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25	E (A880)	36233A	LABOR : LABOR/MANAGEMENT BARGAINING
E (A810)	36208A	STOPB : MATH CALCULATOR PACKAGE	S (C880)	36502A	GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME
E (C810)	36219A	BRAIN : BRAIN SIMULATOR PROGRAM	T (A901)	36110A	CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC
E (C810)	36254A	EXPRES : EXPRESSION SOLVING PROGRAM	T (A901)	36169A	FIFTY! : EXTENDED PRECISION FACTORIAL
H (S810)	36334B	PLOTTR : FUNCTION PLOTTER	T (A903)	36102A	GOLF : A GOLF GAME
H (S810)	36335A	QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	T (A903)	36103A	BLJACK : GAME OF TWENTY-ONE
E (A820)	36148A	EXPNTL : CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	T (A903)	36105A	BATNUM : PLAYS THE RATTLE OF NUMBERS GAME
E (A820)	36149A	SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS	T (A903)	36106A	QUBIC : PLAYS 3-DIMENSIONAL TIC-TAC-TOE
E (A820)	36150A	NET-3 : COMPLEX NUMBER OPERATIONS	T (A903)	36107A	SLOT : SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)
E (A820)	36152A	AC-1 : COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	T (A903)	36108A	SNOOPY : DRAWS SNOOPY ON THE TELEPRINTER
E (A820)	36153A	COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS	T (A903)	36138A	LIFE : A GAME OF CELLULAR GENERATION GROWTH
E (A820)	36154A	INDMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	T (A903)	36181A	FTBL : FOOTBALL
E (A820)	36155A	POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM	T (A903)	36236A	BATTLE : BATTLESHIP GAME
E (A820)	36156A	DVDRS : CAI IN VOLTAGE AND CURRENT DIVIDERS	T (C903)	36243A	STTR1 : STAR TREK
E (A820)	36157A	UNITS : CAI IN INTERPRETATION OF EE UNITS	T (A903)	36244A	KENO : \$25,000.00 KENO GAME
E (A820)	36158A	RNET : NETWORK SIMULTANEOUS EQUATIONS	*T (A903)	36601A	DRAG : SIMULATES A DRAG RACE
E (A820)	36166A	DFTERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	T (A904)	36104A	PLOT : PLOTS A GIVEN FUNCTION ON THE TELETYPE
E (A820)	36167A	JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	T (A904)	36112A	FLOT : FUNCTION PLOT
S (C830)	36519A	GMCR01 : FISCAL POLICY GAME	T (A904)	36114A	TITLE : CHARACTER GENERATION
S (C830)	36519A	GMCR02 : FISCAL POLICY GAME	T (A904)	36115A	GRAPHS : OEMO PLOT PROGRAM FOR HP 7200 PLOTTER
S (C830)	36521A	GMCR06 : ECONOMIC POLICY GAME	T (A904)	36165A	FGGRAPH : SIMULTANEOUS FUNCTION GRAPHER
S (C830)	36521A	GMCR05 : ECONOMIC POLICY GAME	T (A904)	36228A	PLOTWD : WORD PLOTTER
*H (A830)	36632A	CIRFLW : CIRCULAR FLOW MODEL	T (C904)	36235A	HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS
E (A833)	36121A	ORBIT : INTEGRATES EQUATIONS OF MOTION	*T (F904)	36299A	PRINT : GENERATES LARGE LETTERS
E (A833)	36134A	M-LIFE : HALF LIFE SIMULATION	S (C904)	36555A	VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010
E (A833)	36184A	SPCTRA : OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	S (C904)	36556A	VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010
E (B833)	36260A	IONIC : DRILL ON FORMULAS AND CHARGES OF IONS	S (C904)	36558A	VSUB : DISPLAY ROUTINE USING TEKTRONIX 4010
			T (C904)	36559A	VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL
			T (B904)	72050A	HPLOTS : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B
			T (C904)	72051A	HPPLLOT : AUTOMATIC PLOTTING PROGRAM

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

CROSS REFERENCE INDEX

	Volume	System	Specification	Code	Order	Volume	System	Specification	Code	Order
ACCOUNTS PAYABLE (709)										
CTC6 : CTC ACCOUNTS PAYABLE	*T	F709		36638A						
ACCOUNTS RECEIVABLE (711)										
CTC5 : CTC ACCOUNTS RECEIVABLE	T	A711		36214B						
ALGEBRA										
COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS	E	A820		36153A						
ALPHA										
STGSTR : SORTS STRINGS FROM FILES	T	C107		36145A						
ALPHA : ALPHANUMERIC SORT	*T	A107		36292A						
ANALYSIS OF VARIANCE AND COVARIANCE (410)										
ANVAR1 : ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	T	A410		36039B						
ANVAR2 : ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	T	A410		36040B						
ANVAR3 : ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	T	A410		36172A						
ANVAR4 : TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	T	A410		36173A						
ANOVA3 : THREE FACTORIAL ANALYSIS OF VARIANCE	*T	F410		36271A						
ANCOV : ANALYSIS OF COVARIANCE	*T	A410		36294A						
GANOVA : ANALYSIS OF VARIANCE (2-WAY)	S	C410		36501A						
STAT19 : KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	*T	F410		36607A						
ARITHMETIC										
RATIO : SOLVES PROPORTIONS	H	S801		36336A						
SETS : UNION AND INTERSECTION OF SETS	H	S801		36337A						
STATAL : ARITHMETIC MEAN	*H	A801		36628A						
ASCII										
ASCII* : CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	*T	C104		36256B						
-ASCII : ASCII CODE GENERATOR	T	C104		36257A						
SORT : FILE SERIAL STRING SORT	T	C107		36122A						
ALPHA : ALPHANUMERIC SORT	*T	A107		36292A						
ASTRONOMY AND CELESTIAL NAVIGATION (509)										
SUNSET : SUNRISE-SUNSET PREDICTOR	T	S509		36180A						
BASIC										
BASTES : BASIC TEST PROGRAM	T	A211		36116A						
XREF : BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T	C211		36143C						
TUTOR : TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	E	A810		36139A						
HPL0TB : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T	B904		72050A						
BESSEL FUNCTION										
BESSEL : CALCULATES BESSEL FUNCTION OF FIRST KIND	T	A306		36019A						
BIOLOGY (508)										
DROS : GENETIC CHARACTERISTICS	H	S833		36300A						
GAMGN : PROCESS OF GAMETOGENESIS	H	S833		36302A						
NZYMC : ENZYMIC REACTION RATES	H	S833		36303A						
NZYM2 : ENZYME REACTION RATE	H	S833		36304A						
PHOSYN : PHOTOSYNTHESIS EXPERIMENT	H	S833		36305A						
DECAY1 : RADIOACTIVE DECAY GAME	H	S833		36306A						
DECAY2 : NUCLEAR DECAY	H	S833		36307A						
AFLIFE : JOHN CONWAY'S GAME OF LIFE	E	S833		36353A						
MEMBR : DIFFUSION EXPERIMENT	*H	A833		36611A						
LIFE : A GAME OF CELLULAR GENERATION GROWTH	T	A903		36138A						
BOOLEAN ALGEBRA (305)										
TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS	*E	F801		36602A						
BUDGETING PROGRAMS (716)										
BALSHT : PROFORMA INCOME STATEMENT AND BALANCE SHEET	T	A712		36075A						
CAPINV : CAPITAL INVESTMENT ANALYSIS	T	A713		36080A						
BUDGET : DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	T	A716		36073A						
EXPEND : BUDGET EXPENDITURES VS. TARGETS MONITOR	T	A716		36111A						
CTC3 : CTC PROJECTION PROGRAMS	*T	A717		36212B						
BUSINESS (EDUCATION) (880)										
GWBULL : SUBJECTIVE PROBABILITY - RANDOM VALUES	S	C405		36551A						
GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION	S	C406		36549A						
GRANK : RANKING STATISTICS	S	C408		36541A						
GANOVA : ANALYSIS OF VARIANCE (2-WAY)	S	C410		36501A						
QNETFL : NETWORK FLOW	S	C604		36529A						
TRANSP : TRANSPORTATION PROBLEM	T	A605		36230A						
DECSN : TOP MANAGEMENT DECISION GAME	T	A606		36065C						
GVOTE : COMMITTEE CHOICE ANALYSIS	S	C606		36550A						
GSSS : SMALL SYSTEMS SIMULATOR	S	C607		36552A						
CSHPL : CASH FLOW ANALYSIS	T	A712		36142B						
LEASIN : LEASE INCOME	T	C712		36194A						
GFNRAT : FINANCIAL RATIOS	S	C712		36510A						
GIRRPV : INVESTMENT RETURN (CASH FLOW)	S	C712		36513A						
GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT	S	C712		36543A						
GCHLIN : RATING INVESTMENT FUNDS	S	C713		36503A						
GDPAI : ABNORMAL PERFORMANCE INDEX	S	C713		36507A						
GDPA : EFFICIENT 'CORNER' PORTFOLIOS	S	C713		36508A						
GKASSF : WARRANT PRICE CALCULATION	S	C713		36514A						
GKOST : PRICE/EARNINGS RATIO CALCULATION	S	C713		36515A						
GMNRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713		36530A						
GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713		36530A						
GSTKVL : STOCK VALUATION	S	C713		36545A						
GTHOR : SECURITIES EPS GROWTH	S	C713		36553A						
VRRC : INVESTMENT STRATEGY ANALYSIS	S	C713		36557A						
GMCRO1 : FISCAL POLICY GAME	S	C830		36519A						
GMCRO2 : FISCAL POLICY GAME	S	C830		36519A						
GMCRO6 : ECONOMIC POLICY GAME	S	C830		36521A						
GMCRO5 : ECONOMIC POLICY GAME	S	C830		36521A						
CIRFLW : CIRCULAR FLOW MODEL	*H	A830		36632A						
WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM	E	B860		36187A						
CHARGE : CHARGE ACCOUNT SIMULATION	*E	F860		36604A						
SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880		36002B						
MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880		36002B						
RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880		36002B						
SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
MRKSIM : MARKETING SIMULATION	E	A880		36199A						
SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880		36209A						
MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880		36209A						
LABOR : LABOR/MANAGEMENT BARGAINING	E	A880		36233A						
GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME	S	C880		36502A						
BUSINESS INFORMATION SYSTEMS (717)										
RECRUT : RECRUITING INFORMATION SYSTEM	T	A717		36113B						
CTC3 : CTC PROJECTION PROGRAMS	*T	A717		36212B						
SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880		36002B						
MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880		36002B						
RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E	A880		36002B						
SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B880		36193A						
SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880		36209A						
MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C880		36209A						
BUSINESS SERVICES (718)										
LOGRAM : LOG-ON TAPE ANALYZER	T	A408		36001A						
IATA-I : CALCULATE AIR FREIGHT RATES	T	C718		36164B						
TRCK-I : CALCULATE TRUCK FREIGHT RATES	T	C718		36174A						
IATA-C : CALCULATES BREAKPOINT OF IATA CONTAINERS	T	C718		36241A						
CAI										
IDF : INSTRUCTIONAL DIALOGUE FACILITY	E	C800		24241B						
EXEC : CAI EXECUTIVE PACKAGE	E	C800		24242B						
SUBRTN : CAI SUBROUTINES	E	A800		24244A						
MATHC : CAI MATH PACKAGE (2000B VERSION)	E	A801		20879B						
MATHC : CAI MATH PACKAGE (2000C VERSION)	E	C801		24243B						
CADA11 : COMPUTER ASSISTED ARITHMETIC DRILL	E	A801		36205A						
CADA1M : COMPUTER ASSISTED ARITHMETIC DRILL	E	A801		36205A						
CADAIP : COMPUTER ASSISTED ARITHMETIC DRILL	E	A801		36205A						
CARLOS : COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH 11	E	C871		36175A						
CALCULATOR										
CALCOM : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T	B301		36131A						
CALPLT : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	B301		36131A						
CALC2 : THREE REGISTER CALCULATOR PROGRAM	T	A301		36168A						
CALC : EXTENDED PRECISION CALCULATOR	T	A302		36015A						
STOP : TIES MATH CALCULATOR PACKAGE	E	A810		36014A						
CASSETTE										
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312		36025A						
CHARACTER/SYMBOL MANIPULATION (104)										
FORMAT : ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	T	A104		36005B						
DATES : COMPUTES DATE FROM SYSTEM CLOCK	T	B104		36117A						
HELLO : TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	T	B104		36125B						
STGINT : STRING-INTEGER CONVERSIONS	T	A104		36176A						
CHAR5 : ASCII CHARACTER SET	T	C104		36220A						
ASCII* : CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	*T	C104		36256B						
-ASCII : ASCII CODE GENERATOR	T	C104		36257A						
KEYS11 : GIVES MAJOR SCALES	T	A104		36258A						

CROSS REFERENCE INDEX

	Volume System Description Class Code	Order No.		Volume System Description Class Code	Order No.
MUSICS : FINDS DOMINANT SEVENTHS		T A104 36259A			
ALFTOV : ALPHA TO VARIABLE CONVERSION		*T F104 36296A			
TIMER : TIME OF THE DAY		*T F104 36297A			
DATER : DATE AND DAY OF THE WEEK		*T F104 36298A			
GTAPID : PAPER TAPE TITLER		T C104 36548A			
JULI : ONE PAGE JULIAN CALENDAR		*T F108 36279A			
CALNDR : PRINTS A CALENDAR		*T F108 36288A			
TITLE : CHARACTER GENERATION		T A904 36114A			
PRINT : GENERATES LARGE LETTERS		*T F904 36299A			
CHEMICAL ENGINEERING (516)					
DEBYE : COMPUTES DEBYE OR EINSTEIN FUNCTION		T A516 36059A			
CHEMISTRY (507)					
H-LIFE : HALF LIFE SIMULATION		E A833 36134A			
SPCTRA : OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES		E A833 36184A			
PHOSYN : PHOTOSYNTHESIS EXPERIMENT		H S833 36305A			
DECAY1 : RADIOACTIVE DECAY GAME		H S833 36306A			
DECAY2 : NUCLEAR DECAY		H S833 36307A			
EQUIL1 : EQUILIBRIUM SYSTEMS		H S833 36308A			
EQUIL2 : EQUILIBRIUM SYSTEMS		H S833 36308A			
KINET : KINETIC REACTION		H S833 36309A			
MASSD : MASS DEFECT		H A833 36310A			
PRCNT : PERCENT COMPOSITION		H S833 36311A			
CALORI : CALORIMETRY EXPERIMENT		H S833 36314A			
ATWT : CALCULATES ATOMIC WEIGHT		*H A833 36613A			
AVOGA : AVOGADRA'S NUMBER		*H A833 36614A			
EMPIR : CALCULATES EMPIRICAL FORMULAS		*H A833 36615A			
MOLAR : ACID-BASE TITRATION		*H A833 36616A			
PHPOH : PH, POH, PCT, DISSOCIATION		*H A833 36617A			
STOICH : MASS VOLUME		*H A833 36618A			
CIVIL ENGINEERING (515)					
BEMDES : RECOMMENDS CORRECT STEEL BEAM USE		T A515 36109A			
CODE/RADIX CONVERSION (105)					
STGINT : STRING-INTEGGER CONVERSIONS		T A104 36176A			
ALFTOV : ALPHA TO VARIABLE CONVERSION		*T F104 36296A			
COMPLEX					
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS		T A303 36017A			
SQR(Z) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER		T A303 36018A			
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT		T A312 36025A			
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM		T A316 36028A			
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM		T A316 36029A			
GFFT : GENERAL FAST FOURIER TRANSFORM		T A316 36030A			
CXSYS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS		E B801 36262A			
ROOTS2 : QUADRATIC EQUATION SOLVER		*H A801 36625A			
COMPLEX ARITHMETIC (303)					
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS		T A303 36017A			
SQR(Z) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER		T A303 36018A			
CXARTH : VECTOR ARITHMETIC		T A303 36118A			
CXEXP : VECTOR EXPONENTIATION		T A303 36119A			
SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS		E A820 36149A			
NET-3 : COMPLEX NUMBER OPERATIONS		E A820 36150A			
COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS		E A820 36153A			
CONTINUOUS SYSTEMS SIMULATION (607)					
G555 : SMALL SYSTEMS SIMULATOR		S C607 36552A			
CONVERSION					
STGINT : STRING-INTEGGER CONVERSIONS		T A104 36176A			
COOLEY-TUKEY					
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM		T A316 36028A			
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM		T A316 36029A			
GFFT : GENERAL FAST FOURIER TRANSFORM		T A316 36030A			
CORRELATION ANALYSIS (409)					
MULREG : MULTIPLE REGRESSION/CORRELATION		T A404 36178A			
ANVAR4 : TWO-WAY ANALYSIS OF VARIANCE FOR A TWO- WAY EXPERIMENT		T A410 36173A			
CRITICAL PATH ANALYSIS (603)					
CPATH : CRITICAL PATH EVALUATION		T A603 36171B			
GCPATH : CRITICAL PATH ANALYSIS		S C603 36504A			
GCPMI : CRITICAL PATH ANALYSIS		S C603 36505A			
CROSS REFERENCE					
XREF : BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR		T C211 36143C			
CURVE					
CVAREA : AREA UNDER CURVE		*H A801 36620A			
CURVE FITTING (309)					
POLY : POLYNOMIAL APPROXIMATION		T S309 36188A			
POLFTE : FITS LEAST-SQUARES POLYNOMIALS		T A309 36246A			
CURFIT : PERFORMS LEAST-SQUARES FIT		T A404 36038C			
DATA COMMUNICATIONS					
MESSAG : INTERTERMINAL COMMUNICATOR		*T F102 36284A			
DATA HANDLING UTILITIES (108)					
DATES : COMPUTES DATE FROM SYSTEM CLOCK		T B104 36117A			
HELLO : TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL		T B104 36125B			
TIMER : TIME OF THE DAY		*T F104 36297A			
DATER : DATE AND DAY OF THE WEEK		*T F104 36298A			
JULIAN : JULIAN CALENDAR FOR THE CURRENT YEAR		T A108 36197A			
HPMLUT : LIST/DUMP HP ASSEMBLER FILES		T A108 36218A			
HPMLIT : LIST/DUMP HP ASSEMBLER FILES		T A108 36218A			
TALK : TIME SHARING SYSTEM COMMUNICATION		T A108 36222A			
NEWSID : CREATES NEW USER NUMBERS		*T F108 36248A			
FILIS : FILE LISTING PROGRAM/INSTRUCTIONS		T C108 36272A			
FILIS1 : FILE LISTING PROGRAM/INSTRUCTIONS		T C108 36272A			
JULI : ONE PAGE JULIAN CALENDAR		*T F108 36279A			
CALNDR : PRINTS A CALENDAR		*T F108 36288A			
FILMAN : FILE MANAGER		T A110 36006A			
FILIN : KEYBOARD FILE LOADING PROGRAM		T A110 36007A			
FILDUM : PAPER TAPE FILE DUMP		T A110 36008C			
FILIST : LISTS FILE CONTENTS BY RECORD NUMBER		T A110 36009C			
FILOAD : LOADS A FILE FROM THE TELETYPE		T A110 36010C			
FILREA : REENTERS THE DATA TAPE DUMPED BY FILDUM		T A110 36011A			
FILRPT : REPORTS FILE CONTENTS AND STRUCTURE		*T F110 36247A			
DATA : DUMPS FILE TO DATA STATEMENTS		*T F212 36287A			
DEBUGGING AIDS (211)					
BASTES : BASIC TEST PROGRAM		T A211 36116A			
XREF : BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR		T C211 36143C			
DEMONSTRATIONS (901)					
COLREG : COLLEGE REGISTRATION DEMO		*T F720 36282A			
CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC		T A901 36110A			
FIFTY! : EXTENDED PRECISION FACTORIAL		T A901 36169A			
DETERMINANT					
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT		T A312 36025A			
DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION		E A820 36166A			
DEVIATION					
STATAL : ARITHMETIC MEAN		*H A801 36628A			
DIAGNOSTICS (SEE SPECIFIC TYPE OF DIAGNOSTIC)					
DIFFERENTIAL					
DE-10R : 1ST ORDER DIFFERENTIAL EQUATION		T A318 36032A			
DE-20R : 2ND ORDER DIFFERENTIAL EQUATION		T A318 36033A			
SLOPE : FINDS DERIVATIVES		*H A801 36626A			
DIGITAL VOLTAGE SOURCE (SEE VOLTAGE SOURCE)					
DISCRETE SYSTEMS SIMULATION (606)					
DECSN : TOP MANAGEMENT DECISION GAME		T A606 36065C			
GVOTE : COMMITTEE CHOICE ANALYSIS		S C606 36550A			
GSSS : SMALL SYSTEMS SIMULATOR		S C607 36552A			
DRIVER (SEE I/O, AND/OR SPECIFIC PERIPHERAL TYPE)					
DRUM (SEE DISC/DRUM)					
DUMPING (207)					
HPMLUT : LIST/DUMP HP ASSEMBLER FILES		T A108 36218A			
HPMLIT : LIST/DUMP HP ASSEMBLER FILES		T A108 36218A			
FILMAN : FILE MANAGER		T A110 36006A			
FILDUM : PAPER TAPE FILE DUMP		T A110 36008C			
DATA : DUMPS FILE TO DATA STATEMENTS		*T F212 36287A			
DUPLICATION (106)					
FLCOPY : COPIES ONE FILE INTO ANOTHER		T A110 36012B			
DVM (SEE DIGITAL VOLTMETER)					
DYNAMIC PROGRAMMING (610)					
DYNPRO : DYNAMIC PROGRAMMING MODEL		T A610 36067A			
ECONOMIC ANALYSIS (714)					
DECSN : TOP MANAGEMENT DECISION GAME		T A606 36065C			
GNPSUM : GROSS NATIONAL PRODUCT SUMMARY		T A714 36086A			
INACNT : NATIONAL INCOME & PRODUCT ACCOUNTS		T A714 36087A			
IN/OUT : INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS		T A714 36088A			
GMCRO1 : FISCAL POLICY GAME		S C830 36519A			
GMCRO2 : FISCAL POLICY GAME		S C830 36519A			
GMCRO6 : ECONOMIC POLICY GAME		S C830 36521A			
GMCRO5 : ECONOMIC POLICY GAME		S C830 36521A			

CROSS REFERENCE INDEX

ECONOMICS (EDUCATION) (830)

GNPSUM	:	GROSS NATIONAL PRODUCT SUMMARY	T	A714	36086A
GMCR01	:	FISCAL POLICY GAME	S	C830	36519A
GMCR02	:	FISCAL POLICY GAME	S	C830	36519A
GMCR06	:	ECONOMIC POLICY GAME	S	C830	36521A
GMCR05	:	ECONOMIC POLICY GAME	S	C830	36521A
CIRFLW	:	CIRCULAR FLOW MODEL	*H	A830	36632A
WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM	E	B860	36187A
BALANC	:	TRADE AND PAYMENT BALANCES	H	S860	36328A
BANK	:	SOLVES FINANCIAL PROBLEMS	H	S860	36329A
CONSPM	:	DEPRESSION/EQUILIBRIUM	H	S860	36330A
STOCK	:	STOCK MARKET SIMULATION	H	S860	36331A
CHARGE	:	CHARGE ACCOUNT SIMULATION	*E	F860	36604A
LABOR	:	LABOR/MANAGEMENT BARGAINING	E	A880	36233A

EDITING (101)

MACRO	:	A TEXT AND FILE PROCESSING SYSTEM	T	A101	36003A
TIDE	:	TEXT EDITOR FOR THE 2000C	T	C101	36200B
TIDEX	:	SYMBOLIC FILE EDITOR	T	A101	36204A
FINDIT	:	INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B
FILMAN	:	FILE MANAGER	T	A110	36006A

EDUCATIONAL ADMINISTRATION (720)

SALSIM	:	SALARY SCHEDULE COST SIMULATOR	T	A720	36072A
ATTEND	:	ABSENTEE LISTING	E	C720	36202A
COLREG	:	COLLEGE REGISTRATION DEMO	*T	F720	36282A
AVERGI	:	AVERAGES AND CURVES GRADES	H	S720	36340A
FREQ	:	BAR GRAPHS OF GRADES	H	S720	36341A
GRADE	:	TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H	S720	36342A
ITEM1	:	NUMBER FREQUENCIES	H	S720	36343A
STAT	:	STATISTICAL ANALYSIS OF LAB DATA	H	S720	36344A
GMARKS	:	GSB GRADING PROGRAM	T	C720	36518A
GMEDIT	:	GSB GRADING PROGRAM	T	C720	36518A

EIGENVALUES AND EIGENVECTORS (313)

JACOBI	:	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E	A820	36167A
--------	---	---	---	------	--------

ELECTRICAL ENGINEERING (513)

ANALAD	:	CIRCUIT ANALYSIS	T	A513	36056A
ACNODE	:	AC CIRCUIT ANALYSIS PROGRAM	T	A513	36057A
LPFLTR	:	DESIGNS LOW-PASS FILTERS	T	A513	36060A
MICRO	:	MICROWAVE PARAMETERS CONVERSION	T	A513	36062A
MIXSPR	:	MIXER SPURIOUS RESPONSE PROGRAM	T	A513	36064A
ACTFIL	:	ACTIVE FILTER DESIGN	*T	F513	36293A
DEBYE	:	COMPUTES DEBYE OR EINSTEIN FUNCTION	T	A516	36059A
TMFCEV	:	TIME FUNCTION EVALUATOR	T	A519	36063A
SOLVER	:	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	E	A820	36149A
NET-3	:	COMPLEX NUMBER OPERATIONS	E	A820	36150A
AC-1	:	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	E	A820	36152A
INDMTR	:	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	E	A820	36154A
DVDRS	:	CAI IN VOLTAGE AND CURRENT DIVIDERS	E	A820	36156A
UNITS	:	CAI IN INTERPRETATION OF EE UNITS	E	A820	36157A
RNET	:	NETWORK SIMULTANEOUS EQUATIONS	E	A820	36158A
EFIELD	:	ELECTRIC FIELD STRENGTH	*H	A833	36629A

ENGINEERING (EDUCATION) (820)

SOLVIT	:	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	T	A314	36196A
LQVALV	:	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	T	A511	36061A
ANALAD	:	CIRCUIT ANALYSIS	T	A513	36056A
ACNODE	:	AC CIRCUIT ANALYSIS PROGRAM	T	A513	36057A
LPFLTR	:	DESIGNS LOW-PASS FILTERS	T	A513	36060A
MICRO	:	MICROWAVE PARAMETERS CONVERSION	T	A513	36062A
MIXSPR	:	MIXER SPURIOUS RESPONSE PROGRAM	T	A513	36064A
HTRXR	:	TWO DIMENSIONAL HEAT TRANSFER	T	A514	36058A
BEMDES	:	RECOMMENDS CORRECT STEEL BEAM USE	T	A515	36109A
DEBYE	:	COMPUTES DEBYE OR EINSTEIN FUNCTION	T	A516	36059A
TMFCEV	:	TIME FUNCTION EVALUATOR	T	A519	36063A
GNETFL	:	NETWORK FLOW	S	C604	36529A
GTHOR	:	SECURITIES EPS GROWTH	S	C713	36553A
EXPNTL	:	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	E	A820	36148A
SOLVER	:	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	E	A820	36149A
NET-3	:	COMPLEX NUMBER OPERATIONS	E	A820	36150A
AC-1	:	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	E	A820	36152A
COMPLX	:	CAI IN ALGEBRA OF COMPLEX NUMBERS	E	A820	36153A
INDMTR	:	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	E	A820	36154A
POLAR	:	PLOTS SINGLE VARIABLE IN POLAR FORM	E	A820	36155A
DVDRS	:	CAI IN VOLTAGE AND CURRENT DIVIDERS	E	A820	36156A
UNITS	:	CAI IN INTERPRETATION OF EE UNITS	E	A820	36157A
RNET	:	NETWORK SIMULTANEOUS EQUATIONS	E	A820	36158A
DETERM	:	MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E	A820	36166A
JACOBI	:	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E	A820	36167A

EUCLIDEAN

EUCLID	:	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A301	36035B
--------	---	--	---	------	--------

EXPERIMENTAL DESIGN

ANVAR1	:	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	T	A410	36039B
ANVAR2	:	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	T	A410	36040B
ANVAR3	:	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	T	A410	36172A

EXTENDED-PRECISION ARITHMETIC (302)

CALC	:	EXTENDED PRECISION CALCULATOR	T	A302	36015A
LRGNUM	:	LARGE NUMBER ADDITION & MULTIPLICATION	*T	A302	36016B
EXTPRE	:	40-DIGIT PRECISION MATHEMATICS	T	A302	36144A
FACTRL	:	FACTORIALS TO 1000 PLACES	E	A801	36227A
EXTEND	:	INFINITE PRECISION MATH UTILITY PROGRAM	E	C801	36253A
FIFTYI	:	EXTENDED PRECISION FACTORIAL	T	A901	36169A

FILE MANAGEMENT (110)

MACRO	:	A TEXT AND FILE PROCESSING SYSTEM	T	A101	36003A
TIDEX	:	SYMBOLIC FILE EDITOR	T	A101	36204A
SLSMN	:	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A102	36004A
FINDIT	:	INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B
FILMAN	:	FILE MANAGER	T	A110	36006A
FILIN	:	KEYBOARD FILE LOADING PROGRAM	T	A110	36007A
FILDUM	:	PAPER TAPE FILE DUMP	T	A110	36008C
FILIST	:	LISTS FILE CONTENTS BY RECORD NUMBER	T	A110	36009C
FIFOAD	:	LOADS A FILE FROM THE TELETYPE	T	A110	36010C
FILREA	:	REENTERS THE DATA TAPE DUMPED BY FILDUM	T	A110	36011A
FLOOPY	:	COPIES ONE FILE INTO ANOTHER	T	A110	36012B
XTRACT	:	FILE UTILITY PROGRAM	T	B110	36221A
TAPDUM	:	FILE UTILITY PROGRAM	T	B110	36221A
FILRPT	:	REPORTS FILE CONTENTS AND STRUCTURE	*T	F110	36247A
DATA	:	DUMPS FILE TO DATA STATEMENTS	*T	F212	36287A

FINANCIAL ANALYSIS (712)

ANNUIT	:	ANNUITY ANALYSIS	T	A712	36074A
BALSHT	:	PROFORMA INCOME STATEMENT AND BALANCE SHEET	T	A712	36075A
DEPCOM	:	DEPRECIATION METHOD COMPARISON	T	A712	36082A
EQUITY	:	COST OF EQUITY CAPITAL	T	A712	36083A
INSTMT	:	INCOME STATEMENT	T	A712	36089B
LENDER	:	SIMPLE LOAN ANALYSIS	T	A712	36090A
LESSEE	:	LEASE ANALYSIS AS DETERMINED BY THE LESSEE	T	A712	36091A
MKBUY	:	MAKE-BUY DECISION ANALYSIS	T	A712	36093A
MORGAG	:	MORTGAGE ANALYSIS	T	A712	36094B
CSHFL	:	CASH FLOW ANALYSIS	T	A712	36142B
LEASIN	:	LEASE INCOME	T	C712	36194A
LOAN	:	LOAN AMORTIZATION	T	C712	36226A
GFNRAT	:	FINANCIAL RATIOS	S	C712	36510A
GIRRPV	:	INVESTMENT RETURN (CASH FLOW)	S	C712	36513A
GRISKA	:	RISK ANALYSIS IN CAPITAL INVESTMENT	S	C712	36543A
CAPINV	:	CAPITAL INVESTMENT ANALYSIS	T	A713	36080A
EXDRSX	:	EXTENDED RISK ANALYSIS	T	A713	36084A
TRUINT	:	TRUE ANNUAL INTEREST RATE ANALYSIS	T	A713	36101A
CTC3	:	CTC PROJECTION PROGRAMS	*T	A717	36212B
SALSIM	:	SALARY SCHEDULE COST SIMULATOR	T	A720	36072A

FINE ARTS (EDUCATION) (850)

KEYSIG	:	GIVES MAJOR SCALES	T	A104	36258A
MUSIC5	:	FINDS DOMINANT SEVENTHS	T	A104	36259A
MUSIC2	:	TRIAD SOLVING PROGRAM	E	A850	36276A

FORECASTING TECHNIQUES (608)

SLSMN	:	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A102	36004A
LNRDND	:	LINEAR TREND FORECASTING	T	A608	36069A
EXSMO0	:	EXPONENTIAL SMOOTHING ON PRICE DATA	T	A713	36085A

FOREIGN LANGUAGES (EDUCATION) (871)

CARLOS	:	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	E	C871	36175A
--------	---	---	---	------	--------

FORMAT

FORMAT	:	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	T	A104	36005B
--------	---	--	---	------	--------

FOURIER

CTRFFT	:	COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316	36028A
RTCFRT	:	REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316	36029A
GFFT	:	GENERAL FAST FOURIER TRANSFORM	T	A316	36030A

FUNCTIONS, COMPUTATION OF (306)

BESSEL	:	CALCULATES BESSEL FUNCTION OF FIRST KIND	T	A306	36019A
POLY	:	POLYNOMIAL APPROXIMATION	T	S309	36188A
FGRAPH	:	SIMULTANEOUS FUNCTION GRAPHER	T	A904	36165A

GAMES (903)

TWQUES	:	MATHEMATICAL GAME OF TWENTY QUESTIONS	E	B801	36130A
BAGELS	:	THREE-DIGIT NUMBER GUESSING	E	S801	36360A
GMCR01	:	FISCAL POLICY GAME	S	C830	36519A
GMCR02	:	FISCAL POLICY GAME	S	C830	36519A
GMCR06	:	ECONOMIC POLICY GAME	S	C830	36521A
GMCR05	:	ECONOMIC POLICY GAME	S	C830	36521A
DECAY1	:	RADIOACTIVE DECAY GAME	H	S833	36306A
CHARGE	:	CHARGE ACCOUNT SIMULATION	*E	F860	36604A

CROSS REFERENCE INDEX

	Volume System Name	Classification Code	Order No.		Volume System Name	Classification Code	Order No.
SETUP	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	INVESTMENT ANALYSIS (713)	ANNUIT	A712	36074A
MANAG	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	EQUITY	COST OF EQUITY CAPITAL	T A712	36083A
RITE	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	E A880	36002B	BNDPRC	BOND PRICE ANALYSIS	T A713	36076B
SETUPB	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	BNSVH	BOND SWITCH ANALYSIS	T A713	36077A
MANAGB	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	BNDYLD	BOND YIELD ANALYSIS	T A713	36078B
MANAGU	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	BNKRVS	BANK RESERVE CALCULATIONS	T A713	36079A
RITET	MANAGEMENT SIMULATION GAME FOR THE 2000B	E B880	36193A	CAPINV	CAPITAL INVESTMENT ANALYSIS	T A713	36080A
MRKSIM	MARKETING SIMULATION	E A880	36199A	EXDRSK	EXTENDED RISK ANALYSIS	T A713	36084A
SETUPC	MANAGEMENT SIMULATION GAME FOR THE 2000C	E C880	36209A	EXSMO0	EXPONENTIAL SMOOTHING ON PRICE DATA	T A713	36085A
MANAGC	MANAGEMENT SIMULATION GAME FOR THE 2000C	E C880	36209A	MARKOV	SECURITIES PORTFOLIO USING MARKOWITZ MODEL	T A713	36092A
GSPMG	STANFORD PORTFOLIO MANAGEMENT GAME	S C880	36502A	STKINC	STOCK MERGER INCENTIVE PROGRAM	T A713	36096A
GOLF	A GOLF GAME	T A903	36102A	STKRTN	STOCK RETURNS REPORT	T A713	36098A
BLJACK	GAME OF TWENTY-ONE	T A903	36103A	STKSM0	EXPONENTIAL SMOOTHING AS A STOCK GUIDE	T A713	36099A
BATNUM	PLAYS THE BATTLE OF NUMBERS GAME	T A903	36105A	STKVAL	STOCK VALUE & EVALUATION REPORT	T A713	36100A
QUBIC	PLAYS 3-DIMENSIONAL TIC-TAC-TOE	T A903	36106A	TRUINT	TRUE ANNUAL INTEREST RATE ANALYSIS	T A713	36101A
SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	T A903	36107A	DROIPIB	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	T C713	36179A
SNOOPY	DRAWS SNOOPY ON THE TELEPRINTER	T A903	36108A	GCHLIN	RATING INVESTMENT FUNDS	S C713	36503A
LIFE	A GAME OF CELLULAR GENERATION GROWTH	T A903	36138A	GDAP1	ABNORMAL PERFORMANCE INDEX	S C713	36507A
FTBL	FOOTBALL	T A903	36181A	GDPA	EFFICIENT 'CORNER' PORTFOLIOS	S C713	36508A
BATTLE	BATTLESHIP GAME	T A903	36236A	GKASSF	WARRANT PRICE CALCULATION	S C713	36514A
STTR1	STAR TREK	T C903	36243A	GKCOST	PRICE/EARNINGS RATIO CALCULATION	S C713	36515A
XENO	\$25,000.00 XENO GAME	T A903	36244A	GNMRVB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713	36530A
DRAQ	SIMULATES A DRAG RACE	*T A903	36601A	GMRGB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713	36530A
GAUSSIAN				GSTKVL	STOCK VALUATION	S C713	36545A
RANDEV	GENERATES RANDOM DEVIATES-SUBROUTINE	T A405	36050B	GTHOR	SECURITIES EPS GROWTH	S C713	36553A
BINOPO	PROBABILITY DISTRIBUTION COMPARISONS	T A406	36041A	GVPDQT	PLOTTING DATA	S C713	36554A
SYSSOL	SOLVING SYSTEMS OF LINEAR EQUATIONS	*E C801	36278A	VPDQ	PLOTTING DATA	S C713	36554A
GEOLOGY (503)				VRRC	INVESTMENT STRATEGY ANALYSIS	S C713	36557A
EVOLU	NATURAL SELECTION EXPERIMENT	H 5833	36301A	GSPMG	STANFORD PORTFOLIO MANAGEMENT GAME	S C880	36502A
GRAPHIC DISPLAY				VCHART	INVESTMENT DECISIONS USING TEKTRONIX 4010	S C904	36555A
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T A901	36110A	KEYBOARD			
FPL0T	FUNCTION PLOT	T A904	36112A	CALCOM	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T B301	36131A
TITLE	CHARACTER GENERATION	T A904	36114A	CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T B301	36131A
GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	T A904	36115A	CALC2	THREE REGISTER CALCULATOR PROGRAM	T A301	36168A
HPL0TB	AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T B904	72050A	LABEL			
GRAPHIC EQUIPMENT TEST (205)				ADDRESS	ADDRESS LABELS	T A102	36231A
TERTES	TELETYPE-CRT DIAGNOSTIC	T C205	36185A	LANGUAGE TRANSLATORS (SEE TRANSLATORS, LANGUAGE)			
HISTOGRAM				LEAST SQUARES			
LOGRAM	LOG-ON TAPE ANALYZER	T A408	36001A	POLFTE	FITS LEAST-SQUARES POLYNOMIALS	T A309	36246A
HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS	T A408	36055B	POLFIT	FITS LEAST-SQUARES POLYNOMIALS	T A404	36023B
HISS	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T C904	36235A	CURFIT	PERFORMS LEAST-SQUARES FIT	T A404	36038C
HYDRAULIC ENGINEERING (511)				MULTX	LEAST-SQUARES FIT, MULTIPLE Y'S PER X	T A404	36186A
LQVALV	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	T AS11	36061A	LINEAR			
INFORMATION STORAGE AND RETRIEVAL (102)				SIMEQN	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314	36026A
MACRO	A TEXT AND FILE PROCESSING SYSTEM	T A101	36003A	CROUTI	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314	36027A
TIDE	TEXT EDITOR FOR THE 2000C	T C101	36200B	GSIMEQ	SIMULTANEOUS LINEAR EQUATIONS	S C314	36547A
SLSMN	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T A102	36004A	REGCOR	REGRESSION/CORRELATION	T A404	36054B
ADDRESS	ADDRESS LABELS	T A102	36231A	LINEAR PROGRAMMING (605)			
FINDIT	INFORMATION RETRIEVAL SYSTEM	*T C102	36250B	LINPRO	LINEAR PROGRAMMING MODEL	T A605	36068B
MESSAG	INTERTERMINAL COMMUNICATOR	*T F102	36288A	TRANSP	TRANSPORTATION PROBLEM	T A605	36230A
INTEGER				GINTLP	LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	S C605	36512A
STGINT	STRING-INTEGGER CONVERSIONS	T A104	36176A	GLP	LINEAR PROGRAMMING	S C605	36516A
EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T A301	36035B	GLPSA1	LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	S C605	36517A
SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES	T A301	36036A	LNTRND	LINEAR TREND FORECASTING	T A608	36069A
FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	T A301	36037A	LOGARITHMIC			
INTEGRAL TRANSFORMS (316)				REGCOR	REGRESSION/CORRELATION	T A404	36054B
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	T A316	36028A	MATHEMATICS (EDUCATION) (801)			
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	T A316	36029A	SPHERE	SOLVES SPHERICAL TRIANGLES	T A301	36034A
GFFT	GENERAL FAST FOURIER TRANSFORM	T A316	36030A	EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T A301	36035B
INTEGRATION				SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES	T A301	36036A
BESSEL	CALCULATES BESSEL FUNCTION OF FIRST KIND	T A306	36019A	FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	T A301	36037A
INTGR	COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T A310	36021A	DETER4	DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T B312	36263A
ROHINT	INTEGRATES A FUNCTION (ROMBERG METHOD)	*T A310	36022B	RNDORD	PACING INTEGERS IN RANDOM ORDER	T BA05	36264A
INVENTORY ANALYSIS (708)				MATHC	CAI MATH PACKAGE (2000B VERSION)	E A801	20879D
REP	DATA CENTER INVENTORY REPORT GENERATOR	T A708	36177A	MATHC	CAI MATH PACKAGE (3000C VERSION)	E C801	24243B
IN	DATA CENTER INVENTORY REPORT GENERATOR	T A708	36177A	TENS	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	E B801	36128A
CTC1	CTC MANUFACTURING PARTS CONTROL	T A708	36210B	DRILL	BASIC ARITHMETIC DRILL	E B801	36129A
CTC2	CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	T A708	36211B	TWQUES	MATHEMATICAL GAME OF TWENTY QUESTIONS	E B801	36130A
INVERSE				WKSHT	GENERATES MATH WORKSHEETS	E A801	36133A
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	T A316	36028A	DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	E A801	36159A
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	T A316	36029A	SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E A801	36182A
GFFT	GENERAL FAST FOURIER TRANSFORM	T A316	36030A	CADAI1	COMPUTER ASSISTED ARITHMETIC DRILL	E A801	36205A
				CADAI2	COMPUTER ASSISTED ARITHMETIC DRILL	E A801	36205A
				CADAI3	COMPUTER ASSISTED ARITHMETIC DRILL	E A801	36205A
				FACTAL	FACTORIALS TO 1000 PLACES	E A801	36227A
				TRIFAC	FACTORIZING QUADRATIC TRINOMIALS	E C801	36237A

* Indicates NEW or REVISED since February 1973
 Stripe indicates SUPPORTED program

CROSS REFERENCE INDEX

	Volume System Specification Code	Order No.		Volume System Specification Code	Order No.
SIPRAC : PRACTICE WITH SIGNED NUMBERS	E C801	36238A	ORDINARY DIFFERENTIAL EQUATIONS (318)		
POLSUB : POLYNOMIAL SUBTRACTION	E C801	36239A	DE-10R : 1ST ORDER DIFFERENTIAL EQUATION	T A318	36032A
BISQAR : SQUARING BINOMIALS	E C801	36240A	DE-20R : 2ND ORDER DIFFERENTIAL EQUATION	T A318	36033A
LOGIC : LOGIC EXAMINATION PROGRAMS	E B801	36251A	DIFFEQ : CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	E A801	36159A
EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	E C801	36253A			
CXSYS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E B801	36262A	PAYROLL ACCOUNTING (706)		
GAME : CLASSIC MATRIX OF GAME THEORY	E A801	36265A	CTCA : CTC PAYROLL PROGRAMS	*T A706	36213B
DIMIS : X-Y AXIS SEGMENT PROGRAM	E C801	36277A	SALES : SALES COMMISSION REPORT	T A710	36095A
SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	*E C801	36278A	SALSIM : SALARY SCHEDULE COST SIMULATOR	T A720	36072A
CRULEN : COMPUTES LENGTH OF ANY CURVE	H S801	36333A			
RATIO : SOLVES PROPORTIONS	H S801	36336A	PERT (602)		
SETS : UNION AND INTERSECTION OF SETS	H S801	36337A	CPATH : CRITICAL PATH EVALUATION	T A603	36171B
SURFAC : AREA OF SURFACE OF REVOLUTION	H S801	36338A			
VOLSOL : VOLUME OF SOLID OF REVOLUTION	H S801	36339A	PHYSICS (505)		
BAGELS : THREE-DIGIT NUMBER GUESSING	E S801	36360A	H-LIFE : HALF LIFE SIMULATION	E A833	36134A
TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS	*E F801	36602A	BFIELD : MAGNETIC FIELD PICTURE	H S833	36312A
CVAREA : AREA UNDER CURVE	*H A801	36620A	BOHR : ENERGY LEVEL DIAGRAM	H S833	36313A
LIMSIN : LIMIT OF (SIN X)/X	*H A801	36622A	KINERV : REVIEW OF KINEMATICS	H S833	36315A
PI : CALCULATES PI	*H A801	36623A	NEWTN2 : NEWTON'S 2ND LAW	H S833	36316A
ROOTS2 : QUADRATIC EQUATION SOLVER	*H A801	36625A	PHOTEL : PHOTOELECTRIC EFFECT	H S833	36317A
SLOPE : FINDS DERIVATIVES	*H F801	36626A	PHOTON : ENERGY LEVEL PROBLEM	H S833	36318A
SQRT : FINDS SQUARE ROOT	*H A801	36627A	REFLECT : LEAST TIME PRINCIPLE AND LIGHT	H S833	36319A
STATAL : ARITHMETIC MEAN	*H A801	36628A	SNELL : SNELL'S LAW	H S833	36320A
WAVES : SUM OF TWO WAVES	H S833	36324B	SPACE : SPACECRAFT ORBITS	H S833	36321A
BANK : SOLVES FINANCIAL PROBLEMS	H S860	36329A	VFIELD : POTENTIAL FIELD PICTURE	H S833	36322A
STOCK : STOCK MARKET SIMULATION	H S860	36331A	VLOCY : INSTANTANEOUS VELOCITY	H S833	36323A
BATTLE : BATTLESHIP GAME	T A903	36236A	ALERA : PROPAGATION OF ERROR	*E F833	36603A
MATHEMATICS, GENERAL (301)			PLOTTING ROUTINES (904)		
SPHERE : SOLVES SPHERICAL TRIANGLES	T A301	36034A	CALPLT : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T B301	36131A
EUCLED : COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T A301	36035B	GRPLT : SIMPLE REGRESSION AND PLOT	S C404	36542A
SQRS : AN INTEGER AS THE SUM OF FOUR SQUARES	T A301	36036A	HISTOG : A HISTOGRAM FORMED FROM A SET OF NUMBERS	T A408	36055B
FACTOR : FINDS PRIME FACTORS OF POSITIVE INTEGERS	T A301	36037A	GVPDQT : PLOTTING DATA	S C713	36554A
CALCOM : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T B301	36131A	VPDQ : PLOTTING DATA	S C713	36554A
CALPLT : CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T B301	36131A	PLOTTR : FUNCTION PLOTTER	H S810	36334B
CALC2 : THREE REGISTER CALCULATOR PROGRAM	T A301	36168A	POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM	E A820	36155A
CALC : EXTENDED PRECISION CALCULATOR	T A302	36015A	KINET : KINETIC REACTION	H S833	36309A
LRGNUM : LARGE NUMBER ADDITION & MULTIPLICATION	*T A302	36016B	BFIELD : MAGNETIC FIELD PICTURE	H S833	36312A
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T A303	36017A	BOHR : ENERGY LEVEL DIAGRAM	H S833	36313A
SQR(2) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T A303	36018A	SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT	H S833	36351A
DRILL : BASIC ARITHMETIC DRILL	E B801	36129A	CANNON : HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T A901	36110A
SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E A801	36182A	SNOOPY : DRAWS SNOOPY ON THE TELEPRINTER	T A903	36108A
FACTRL : FACTORIALS TO 1000 PLACES	E A801	36227A	PLOT : PLOTS A GIVEN FUNCTION ON THE TELETYPE	T A904	36104A
LOGIC : LOGIC EXAMINATION PROGRAMS	E B801	36251A	FPLT : FUNCTION PLOT	T A904	36112A
EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	E C801	36253A	TITLE : CHARACTER GENERATION	T A904	36114A
DIMIS : X-Y AXIS SEGMENT PROGRAM	E C801	36277A	GRAPHS : DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	T A904	36115A
CRULEN : COMPUTES LENGTH OF ANY CURVE	H S801	36333A	FRAPHR : SIMULTANEOUS FUNCTION GRAPHER	T A904	36165A
SURFAC : AREA OF SURFACE OF REVOLUTION	H S801	36338A	PLOTWD : WORD PLOTTER	T A904	36228A
VOLSOL : VOLUME OF SOLID OF REVOLUTION	H S801	36339A	HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T C904	36235A
SQRT : FINDS SQUARE ROOT	*H A801	36627A	PRINT : GENERATES LARGE LETTERS	*T F904	36299A
EXPRES : EXPRESSION SOLVING PROGRAM	E C810	36254A	VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010	S C904	36555A
PLOTTR : FUNCTION PLOTTER	H S810	36334B	VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S C904	36556A
QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	H S810	36335A	VSUB : DISPLAY ROUTINE USING TEKTRONIX 4010	S C904	36558A
EXPNTL : CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	E A820	36148A	VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	T C904	36559A
MATRIX OPERATIONS (312)			HPLT0B : AUTOMATIC PLOTTING PROGRAM FOR THE HP 8000B	T B904	72030A
CDETER : COMPUTES VALUE OF COMPLEX DETERMINANT	T A312	36025A	HPLT0T : AUTOMATIC PLOTTING PROGRAM	T C904	72051A
DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T B312	36263A	POLYNOMIAL		
DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E A820	36166A	POLY : POLYNOMIAL APPROXIMATION	T S309	36188A
JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E A820	36167A	ROOTER : FINDS THE ROOTS OF POLYNOMIALS	T A311	36024A
MECHANICAL ENGINEERING (514)			POLYNOMIALS AND POLYNOMIAL EQUATIONS (311)		
HTXFR : TWO DIMENSIONAL HEAT TRANSFER	T A514	36058A	POLY : POLYNOMIAL APPROXIMATION	T S309	36188A
METRIC : CONVERTS ENGLISH TO METRIC	*T F514	36635A	ROOTER : FINDS THE ROOTS OF POLYNOMIALS	T A311	36024A
ORBIT : INTEGRATES EQUATIONS OF MOTION	E A833	36121A	DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T B312	36263A
NETWORK			PORTFOLIO		
GNETFL : NETWORK FLOW	S C604	36529A	GCHLIN : RATING INVESTMENT FUNDS	S C713	36503A
GTHOR : SECURITIES EPS GROWTH	S C713	36553A	GDPA : EFFICIENT 'CORNER' PORTFOLIOS	S C713	36508A
NON-PARAMETRIC STATISTICS (407)			GMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713	36530A
CHISQ : COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T A407	36042A	GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713	36530A
CHISQS : CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T A407	36043B	PRINTER (SEE LINE PRINTER OR TELEPRINTER)		
STAT2 : MANN-WHITNEY 2 SAMPLE RANK TEST	T A407	36052A	PROBABILITY		
STAT3 : SPEARMAN RANK CORRELATION COEFFICIENTS	T A407	36053A	GBULL : SUBJECTIVE PROBABILITY - RANDOM VALUES	S C405	36551A
FISHER : FISHER'S EXACT PROBABILITY TEST	*T F407	36606A	GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION	S C406	36549A
NUMERICAL DIFFERENTIATION (317)			PROBABILITY DISTRIBUTION SAMPLING (406)		
DERIV : DERIVATIVE OF A FUNCTION AT A POINT	T A317	36031A	BINOPO : PROBABILITY DISTRIBUTION COMPARISONS	T A406	36041A
NUMERICAL INTEGRATION (310)			GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION	S C406	36549A
INTGRT : COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T A310	36021A	CHISQ : COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T A407	36042A
ROMINT : INTEGRATES A FUNCTION (ROMBERG METHOD)	*T A310	36022B	CHISQS : CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T A407	36043B
OPTIMIZATION PROGRAMS (604)					
GNETFL : NETWORK FLOW	S C604	36529A			

CROSS REFERENCE INDEX

		Volume System Crate Crate Order No.		Volume System Crate Crate Order No.
PROGRAMMING AIDS (212)				
FINDIT	: INFORMATION RETRIEVAL SYSTEM	*T C102 36250B	GAMGN	: PROCESS OF GAMETOGENESIS
DATA	: DUMPS FILE TO DATA STATEMENTS	*T F212 36287A	NZYMC	: ENZYMIC REACTION RATES
TUTOR	: TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25	E A810 36139A	NZYMC2	: ENZYME REACTION RATE
PROGRAMMING AND COMPUTER SCIENCE (EDUCATION) (810)				
CALC2	: THREE REGISTER CALCULATOR PROGRAM	T A301 36168A	PHOSYN	: PHOTOSYNTHESIS EXPERIMENT
TUTOR	: TIES MATH CALCULATOR PACKAGE	E A810 36014A	DECAY1	: RADIOACTIVE DECAY GAME
TUTOR	: TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25	E A810 36139A	DECAY2	: NUCLEAR DECAY
STOPB	: MATH CALCULATOR PACKAGE	E A810 36208A	EQUIL1	: EQUILIBRIUM SYSTEMS
BRAIN	: BRAIN SIMULATOR PROGRAM	E C810 36219A	EQUIL2	: EQUILIBRIUM SYSTEMS
EXPRES	: EXPRESSION SOLVING PROGRAM	E C810 36254A	KINET	: KINETIC REACTION
PLOTTR	: FUNCTION PLOTTER	H S810 36334B	MASSD	: MASS DEFECT
QUADT	: NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	H S810 36335A	PRCNT	: PERCENT COMPOSITION
QUALITY ASSURANCE PERFORMANCE ANALYSIS (702)				
AVERG1	: AVERAGES AND CURVES GRADES	H S720 36340A	BFIELD	: MAGNETIC FIELD PICTURE
RANDOM NUMBER GENERATORS (405)				
RANDEV	: GENERATES RANDOM DEVIATES-SUBROUTINE	T A405 36050B	BOHR	: ENERGY LEVEL DIAGRAM
RANDOM	: RANDOM NUMBER GENERATOR	T A405 36203A	CALORI	: CALORIMETRY EXPERIMENT
RNDORD	: PLACING INTEGERS IN RANDOM ORDER	T B405 36264A	KINERV	: REVIEW OF KINEMATICS
GWBULL	: SUBJECTIVE PROBABILITY - RANDOM VALUES	S C405 36551A	NEWTN2	: NEWTON'S 2ND LAW
RANK				
STAT2	: MANN-WHITNEY 2 SAMPLE RANK TEST	T A407 36052A	PHOTEL	: PHOTOELECTRIC EFFECT
STAT3	: SPEARMAN RANK CORRELATION COEFFICIENTS	T A407 36053A	PHOTON	: ENERGY LEVEL PROBLEM
GRANK	: RANKING STATISTICS	S C408 36541A	REFLCT	: LEAST TIME PRINCIPLE AND LIGHT
REAL				
ROOTS2	: QUADRATIC EQUATION SOLVER	*H A801 36625A	SNELL	: SNELL'S LAW
RECURSIVE				
ROMINT	: INTEGRATES A FUNCTION (ROMBERG METHOD)	*T A310 36022B	SPACE	: SPACECRAFT ORBITS
REGRESSION ANALYSIS (404)				
POLFIT	: FITS LEAST-SQUARES POLYNOMIALS	T A404 36023B	VFIELD	: POTENTIAL FIELD PICTURE
CURFIT	: PERFORMS LEAST-SQUARES FIT	T A404 36038C	VLOCTY	: INSTANTANEOUS VELOCITY
REGCOR	: REGRESSION/CORRELATION	T A404 36054B	WAVES	: SUM OF TWO WAVES
MULREG	: MULTIPLE REGRESSION/CORRELATION	T A404 36178A	CLOUDS	: CLOUD FORMATION
MULTX	: LEAST-SQUARES FIT, MULTIPLE Y'S PER X	T A404 36186A	WATER1	: WATER BUDGET PROBLEM CHECK
GRGPTL	: SIMPLE REGRESSION AND PLOT	S C404 36542A	WATER2	: WATER BUDGET
GCHLIN	: RATING INVESTMENT FUNDS	S C713 36503A	PLANK	: A PHOTOELECTRIC SIMULATION
VRRC	: INVESTMENT STRATEGY ANALYSIS	S C713 36557A	SLITS	: YOUNG'S DOUBLE SLIT EXPERIMENT
VREGPL	: PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S C904 36556A	AFLIFE	: JOHN CONWAY'S GAME OF LIFE
REPORT GENERATORS (005)				
LOGRAM	: LOG-ON TAPE ANALYZER	T A408 36001A	ALERA	: PROPAGATION OF ERROR
RETURN				
GIRRPV	: INVESTMENT RETURN (CASH FLOW)	S C712 36513A	MEMBR	: DIFFUSION EXPERIMENT
GCHLIN	: RATING INVESTMENT FUNDS	S C713 36503A	ATWT	: CALCULATES ATOMIC WEIGHT
RISK				
GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT	S C712 36543A	AVOGA	: AVOGADRA'S NUMBER
GMRVB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713 36530A	EMPIR	: CALCULATES EMPIRICAL FORMULAS
GMRGB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713 36530A	MOLAR	: ACID-BASE TITRATION
VRRC	: INVESTMENT STRATEGY ANALYSIS	S C713 36557A	PHPOH	: PH, POH, PCT, DISSOCIATION
ROOTS				
SQR(Z)	: COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T A303 36018A	STOICH	: MASS VOLUME
ROOTER	: FINDS THE ROOTS OF POLYNOMIALS	T A311 36024A	EFIELD	: ELECTRIC FIELD STRENGTH
ROOTS2	: QUADRATIC EQUATION SOLVER	*H A801 36625A	LENSES	: SOLVES LENS PROBLEMS
RUNGE-KUTTA				
DE-10R	: 1ST ORDER DIFFERENTIAL EQUATION	T A318 36032A	PRJTL	: PROJECTILE MOTION
DE-20R	: 2ND ORDER DIFFERENTIAL EQUATION	T A318 36033A	POLUT	: WATER POLLUTION SIMULATION
SALES FORECASTING (710)				
SLSMN	: SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T A102 36004A	STERL	: FLY POPULATION CONTROL
SALES	: SALES COMMISSION REPORT	T A710 36095A	GENE1	: GENETICS SIMULATION
SCIENCE (EDUCATION) (833)				
SUNSET	: SUNRISE-SUNSET PREDICTOR	T S509 36180A	SCOPE (SEE OSCILLOSCOPE)	
ORBIT	: INTEGRATES EQUATIONS OF MOTION	E A833 36121A	SECURITIES	
H-LIFE	: HALF LIFE SIMULATION	E A833 36134A	GDAPI	: ABNORMAL PERFORMANCE INDEX
SPCTRA	: OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	E A833 36184A	GDPA	: EFFICIENT 'CORNER' PORTFOLIOS
IONIC	: DRILL ON FORMULAS AND CHARGES OF IONS	E A833 36260A	GKASSF	: WARRANT PRICE CALCULATION
ISOMER	: DRILL ON NAMING ALKANES	E A833 36261A	GKOST	: PRICE/EARNINGS RATIO CALCULATION
IONIC1	: DRILL ON FORMULAS OF IONIC COMPOUNDS	E A833 36266A	GMRVB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
ELEMENT	: DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	E A833 36267A	GMRGB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
CHEM	: SELF-CORRECTING CHEMISTRY TEST	*E F833 36295A	GSTKVL	: STOCK VALUATION
DROS	: GENETIC CHARACTERISTICS	H S833 36300A	VRRC	: INVESTMENT STRATEGY ANALYSIS
EVOLU	: NATURAL SELECTION EXPERIMENT	H S833 36301A	GSPMG	: STANFORD PORTFOLIO MANAGEMENT GAME
			SIMPSON	
			BESSEL : CALCULATES BESSEL FUNCTION OF FIRST KIND	
			INTGRT : COMPUTES NUMERIC INTEGRAL OF A FUNCTION	
			SIMULATION	
			RANDEV : GENERATES RANDOM DEVIATES-SUBROUTINE	
			GVOTE : COMMITTEE CHOICE ANALYSIS	
			GSS : SMALL SYSTEMS SIMULATOR	
			GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT	
			BRAIN : BRAIN SIMULATOR PROGRAM	
			GMCRO1 : FISCAL POLICY GAME	
			GMCRO2 : FISCAL POLICY GAME	
			GMCRO6 : ECONOMIC POLICY GAME	
			GMCRO5 : ECONOMIC POLICY GAME	
			PHOTEL : PHOTOELECTRIC EFFECT	
			PLANK : A PHOTOELECTRIC SIMULATION	
			SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT	
			CHARGE : CHARGE ACCOUNT SIMULATION	
			SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	
			MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	
			RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A	
			SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B	
			MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B	
			MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B	
			RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B	
			MRKSIM : MARKETING SIMULATION	
			SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	
			MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C	
			LABOR : LABOR/MANAGEMENT BARGAINING	
			SLOT : SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	
			SIMULTANEOUS	
			SIMEQN : SOLVES SIMULTANEOUS LINEAR EQUATIONS	
			CROUT1 : SOLVES SIMULTANEOUS LINEAR EQUATIONS	

CROSS REFERENCE INDEX

SOCIAL SCIENCE (EDUCATION) (860)

WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM	E B860 36187A
BALANC : TRADE AND PAYMENT BALANCES	H S860 36328A
BANK : SOLVES FINANCIAL PROBLEMS	H S860 36329A
CONSP : DEPRESSION/EQUILIBRIUM	H S860 36330A
STOCK : STOCK MARKET SIMULATION	H S860 36331A
CHARGE : CHARGE ACCOUNT SIMULATION	*E F860 36604A
POLSYS : SIMULATION OF CITY COUNCIL	*H F860 36640A

SOLUTION

SIMEQN : SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314 36026A
CROUTI : SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314 36027A

SORTING AND MERGING (107)

FINDIT : INFORMATION RETRIEVAL SYSTEM	*T C102 36250B
SORT : FILE SERIAL STRING SORT	T C107 36122A
STGSRT : SORTS STRINGS FROM FILES	T C107 36145A
FILSOR : FILE POINTER SORT/POINTER SORT	T A107 36206A
POISOR : FILE POINTER SORT/POINTER SORT	T A107 36206A
IRV : FILE SORT ROUTINE	T C107 36232A
ALPHA : ALPHANUMERIC SORT	*T A107 36292A
REP : DATA CENTER INVENTORY REPORT GENERATOR	T A708 36177A
IN : DATA CENTER INVENTORY REPORT GENERATOR	T A708 36177A

STATISTICS, GENERAL (408)

REGCOR : REGRESSION/CORRELATION	T A404 36054B
CHISQ : COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T A407 36042A
CHISQS : CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T A407 36043B
LOGRAM : LOG-ON TAPE ANALYZER	T A408 36001A
GEOMEN : STATISTICS OF GEOMETRIC DISTRIBUTION	T A408 36045A
HISTOG : A HISTOGRAM FORMED FROM A SET OF NUMBERS	T A408 36055B
FC : ANALYSIS OF LOG TAPE	T A408 36120A
SCORES : COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	T A408 36136A
KR20 : ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY	T A408 36137A
FRQ : FREQUENCY BETWEEN BOUNDRIES	T A408 36191B
GRANK : RANKING STATISTICS	S C408 36541A
GANOVA : ANALYSIS OF VARIANCE (2-WAY)	S C410 36501A
AVERGI : AVERAGES AND CURVES GRADES	H S720 36340A
FREQ : BAR GRAPHS OF GRADES	H S720 36341A
GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H S720 36342A
ITEM1 : NUMBER FREQUENCIES	H S720 36343A
STAT : STATISTICAL ANALYSIS OF LAB DATA	H S720 36344A
HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T C904 36235A

STRING

MACRO : A TEXT AND FILE PROCESSING SYSTEM	T A101 36003A
FORMAT : ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	T A104 36005B
STGINT : STRING-INTEGGER CONVERSIONS	T A104 36176A
STGSRT : SORTS STRINGS FROM FILES	T C107 36145A

SYSTEM THEORY (519)

TMFCEV : TIME FUNCTION EVALUATOR	T A519 36063A
----------------------------------	---------------

SYSTEMS OF LINEAR EQUATIONS (314)

SIMEQN : SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314 36026A
CROUTI : SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314 36027A
SOLVIT : SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	T A314 36196A
GSIMEQ : SIMULTANEOUS LINEAR EQUATIONS	S C314 36547A
CXSYSS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E B801 36262A
SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	*E C801 36278A

TABLE HANDLING (103)

JULIAN : JULIAN CALENDAR FOR THE CURRENT YEAR	T A108 36197A
TAPE (SEE MAGNETIC TAPE OR PAPER TAPE)	

TEKTRONIX

VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010	S C904 36555A
VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S C904 36556A
VSUB : DISPLAY ROUTINE USING TEKTRONIX 4010	S C904 36558A
VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	T C904 36559A

TELECOMMUNICATIONS EQUIPMENT TEST (217)

TESTTY : TESTS THE OPERATION OF A REMOTE TELETYPE	T A217 36013A
---	---------------

TELEPRINTER

FILOAD : LOADS A FILE FROM THE TELETYPE	T A110 36010C
FILREA : REENTERS THE DATA TAPE DUMPED BY FILDUM	T A110 36011A
TESTTY : TESTS THE OPERATION OF A REMOTE TELETYPE	T A217 36013A

TEST (SEE SPECIFIC TYPE OF TEST)

TEST SCORING

SCORES : COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	T A408 36136A
FREQ : BAR GRAPHS OF GRADES	H S720 36341A
GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H S720 36342A
ITEM1 : NUMBER FREQUENCIES	H S720 36343A

TESTS OF HYPOTHESES

T-TEST : TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	T A401 36170A
---	---------------

TRIGONOMETRY

SPHERE : SOLVES SPHERICAL TRIANGLES	T A301 36034A
FNCTS : COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T A303 36017A
SAT : TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E A801 36182A

UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS (401)

T-TEST : TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	T A401 36170A
BINOPO : PROBABILITY DISTRIBUTION COMPARISONS	T A406 36041A
CHISQS : CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T A407 36043B

VECTOR ARITHMETIC (SEE COMPLEX ARITHMETIC)

VOCATIONAL (EDUCATION) (890)

WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM	E B860 36187A
---	---------------

VOLTMETER (SEE DIGITAL VOLTMETER)

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

ALPHABETICAL SUMMARY

Volume	Name	Title	Volume	Name	Title	Volume	Name	Title	Volume	Name	Title
	T	-ASCII	(C104)	36257A	E	DIFFEQ	(A801)	36159A			
	E	AC-1	(A820)	36152A							
	T	ACNODE	(A513)	36057A	E	DIMIS	(C801)	36277A			
	T	ACTFIL	(F513)	36293A	E	DRAG	(A903)	36601A			
	T	ADDRESS	(A102)	36231A	E	DRILL	(H801)	36129A			
	E	AFLEIFE	(S833)	36353A	T	DROIPT	(C713)	36179A			
	E	ALERA	(F833)	36603A	H	DRDS	(S833)	36300A			
	T	ALFTOV	(F104)	36296A	E	DVDRS	(A820)	36156A			
	T	ALPHA	(A107)	36292A	T	DYNPRO	(A610)	36067A			
	T	ANALAD	(A513)	36056A	H	EFIELD	(A833)	36629A			
	T	ANCOV	(A410)	36294A	E	ELEMEN	(H833)	36267A			
	T	ANNUIT	(A712)	36074A	H	EMPIR	(A833)	36615A			
	T	ANOVA3	(F410)	36271A	H	EQUIL1	(S833)	36308A			
	T	ANVAR1	(A410)	36039B	H	EQUIL2	(S833)	36308A			
	T	ANVAR2	(A410)	36040B	T	EQUITY	(A712)	36083A			
	T	ANVAR3	(A410)	36172A	T	EUCLID	(A301)	36035B			
	T	ANVAR4	(A410)	36173A	H	EVL0U	(S833)	36301A			
	T	ASCII*	(C104)	36256B	T	EXDRSK	(A713)	36044A			
	E	ATTEND	(C720)	36202A	E	EXEC	(C800)	36242B			
	H	ATWT	(A833)	36613A	T	EXPEND	(A716)	36111A			
	H	AVER61	(S720)	36340A	E	EXPNTL	(A820)	36148A			
	H	AVOGA	(A833)	36614A	E	EXPRES	(C810)	36254A			
	E	BAGELS	(S801)	36360A	T	EXSMOD	(A713)	36085A			
	H	BALANC	(S860)	36328A	E	EXTEND	(C801)	36253A			
	T	BALSHT	(A712)	36075A	T	EXTPRE	(A802)	36144A			
	H	BANK	(S860)	36329A	T	FACTOR	(A301)	36037A			
	T	BASTES	(A211)	36116A	F	FACTRL	(A801)	36227A			
	T	BATNUM	(A903)	36105A	T	FC	(A408)	36120A			
	T	BATTLE	(A903)	36236A	T	FGHAPH	(A904)	36165A			
	T	BEMEDS	(A515)	36109A	T	FIFTY!	(A901)	36169A			
	T	BESSEL	(A306)	36019A	T	FILDUM	(A110)	36008C			
	H	BFIELD	(S833)	36312A	T	FILIN	(A110)	36007A			
	T	BINOPO	(A406)	36041A	T	FTLIS	(C10H)	36272A			
	E	BISQAR	(C801)	36240A	T	FILISI	(C10B)	36272A			
	T	BLJACK	(A903)	36103A	T	FILIST	(A110)	36009C			
	T	BNDRPC	(A713)	36076B	T	FILMAN	(A110)	36006A			
	T	BNDSWH	(A713)	36077A	T	FILDAD	(A110)	36010C			
	T	BNYDYL	(A713)	36078B	T	FILREA	(A110)	36011A			
	T	BNKRVS	(A713)	36079A	T	FILRPT	(F110)	36247A			
	H	BOHR	(S833)	36313A	T	FILSOR	(A107)	36206A			
	E	BRAIN	(C810)	36219A	T	FINDIT	(C102)	36250B			
	T	BUDGET	(A716)	36073A	T	FISHER	(F407)	36066A			
	E	CADAI1	(A801)	36205A	T	FLOOPY	(A110)	36012B			
	E	CADAI2	(A801)	36205A	T	FNCCTS	(A303)	36017A			
	E	CADAI3	(A801)	36205A	T	FORMAT	(A104)	36005B			
	T	CALC	(A302)	36015A	T	FPL0T	(A904)	36112A			
	T	CALC2	(A301)	36168A	H	FREQ	(S720)	36341A			
	T	CALCOM	(R301)	36131A	T	FRQ	(A408)	36191B			
	T	CALNDR	(F104)	36288A	T	FTBL	(A903)	36181A			
	H	CALORI	(S833)	36314A	E	GAME	(A801)	36265A			
	T	CALPLT	(R301)	36131A	H	GAMGN	(S833)	36302A			
	T	CANNON	(A901)	36110A	S	GANOVA	(C410)	36501A			
	T	CAPINV	(A713)	36080A	S	GCALIN	(C713)	36503A			
	E	CARLOS	(C871)	36175A	S	GCPTH	(C603)	36504A			
	T	CDETER	(A312)	36025A	S	GCPMI	(C603)	36505A			
	E	CHARGE	(F960)	36604A	S	GDAPI	(C713)	36507A			
	T	CHARS	(C104)	36220A	S	GDBA	(C713)	36508A			
	E	CHEM	(F833)	36295A	H	GENE1	(F833)	36642A			
	T	CHISO	(A407)	36042A	T	GEOMEN	(A408)	36045A			
	T	CHISQS	(A407)	36043B	T	GFFT	(A316)	36030A			
	H	CIRFLW	(A830)	36632A	S	GFNRT	(C712)	36510A			
	H	CLOUDS	(S833)	36325A	S	GINTLP	(C605)	36512A			
	T	COLREG	(F720)	36282A	S	GIRPRV	(C712)	36513A			
	E	COMPLX	(A820)	36153A	S	GKASSF	(C713)	36514A			
	H	CONSNP	(S860)	36330A	S	GKCOST	(C713)	36515A			
	T	CPATH	(A603)	36171H	S	GLP	(C605)	36516A			
	T	CR0UT1	(A314)	36027A	S	GLPSA1	(C605)	36517A			
	H	CRVLEN	(S801)	36333A	T	GMARKS	(C720)	36518A			
	T	CSHFL	(A712)	36142B	S	GMCRO1	(C830)	36519A			
	T	CTC1	(A708)	36210B	S	GMCRC02	(C830)	36521A			
	T	CTC2	(A708)	36211B	T	GMCRC05	(C830)	36521A			
	T	CTC3	(A717)	36212B	T	GMDIT	(C720)	36518A			
	T	CTC4	(A706)	36213B	S	GMRGB	(C713)	36530A			
	T	CTC5	(A711)	36214B	S	GNETFL	(C604)	36529A			
	T	CTC6	(F709)	36638A	S	GNMVRB	(C713)	36530A			
	T	CTRFFT	(A316)	36028A	T	GNPNSUM	(A714)	36086A			
	T	CURFIT	(A404)	36038C	T	GOLF	(A903)	36102A			
	H	CVAREA	(A801)	36620A	H	GRADE	(S720)	36342A			
	T	CAARTH	(A303)	36118A	S	GRANK	(C408)	36541A			
	T	CXEXP	(A303)	36119A	T	GRAPHS	(A904)	36115A			
	E	CXSYS	(H801)	36262A	S	GRGPLT	(C404)	36542A			
	T	DATA	(F212)	36287A	S	GRISKA	(C712)	36543A			
	T	DATER	(F104)	36298A	S	GSIIMEQ	(C314)	36547A			
	T	DATES	(H104)	36117A	S	GSPMG	(C880)	36502A			
	T	DE-10R	(A318)	36032A	S	GSSS	(C607)	36552A			
	T	DE-20R	(A318)	36033A	S	GSTKVL	(C713)	36545A			
	T	DEBYE	(A516)	36059A	T	GTAIPD	(C104)	36548A			
	H	DECAV1	(S833)	36306A	S	GTAUSD	(C406)	36549A			
	H	DECAV2	(S833)	36307A	S	GTHOR	(C713)	36553A			
	T	DECSN	(A606)	36065C	S	GTVOTE	(C606)	36550A			
	T	DEPCDM	(A712)	36082A	S	GVPDQT	(C713)	36554A			
	T	DERIV	(A317)	36031A	S	GWBULL	(C405)	36551A			
	T	DETER4	(B312)	36263A	E	H-LIFE	(A833)	36134A			
	E	DETERM	(A820)	36166A	T	HELLO	(H104)	36125B			

* Indicates NEW or REVISED since February 1973
 Stripe indicates SUPPORTED program

ALPHABETICAL SUMMARY



T HPMOUT :	LIST/DUMP HP ASSEMBLER FILES	(A108)	36218A	T REGCOR :	REGRESSION/CORRELATION	(A404)	36054B
T HPLOT :	AUTOMATIC PLOTTING PROGRAM	(C904)	72051A	T REP :	DATA CENTER INVENTORY REPORT GENERATOR	(A708)	36177A
T HTXFR :	TWO DIMENSIONAL HEAT TRANSFER	(A514)	36058A	E RITE :	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B
T IATA.1 :	CALCULATE AIR FREIGHT RATES	(C718)	36164H	E RITET :	MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A
T IATA.C :	CALCULATES BREAKPOINT OF IATA CONTAINERS	(C718)	36241A	T RNDORD :	PLACING INTEGERS IN RANDOM ORDER	(H405)	36264A
E IOP :	INSTRUCTIONAL DIALOGUE FACILITY	(C800)	24241B	E RNET :	NETWORK SIMULTANEOUS EQUATIONS	(A820)	36158A
T IN :	DATA CENTER INVENTORY REPORT GENERATOR	(A708)	36177A	*T ROMINT :	INTEGRATES A FUNCTION (RUMBERG METHOD)	(A310)	36022B
T IN/OUT :	INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	(A714)	36088A	T ROOTER :	FINDS THE ROOTS OF POLYNOMIALS	(A311)	36024A
T INACNT :	NATIONAL INCOME & PRODUCT ACCOUNTS	(A714)	36087A	*H ROOTS2 :	QUADRATIC EQUATION SOLVER	(A801)	36625A
E INDMTR :	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	(A820)	36154A	T RTCFFT :	REAL TO COMPLEX FAST FOURIER TRANSFORM	(A316)	36029A
T INSTMT :	INCOME STATEMENT	(A712)	36089B	T SALES :	SALES COMMISSION REPORT	(A710)	36095A
T INTGR :	COMPUTES NUMERIC INTEGRAL OF A FUNCTION	(A310)	36021A	T SALSIM :	SALARY SCHEDULE COST SIMULATOR	(A720)	36072A
E IONIC :	DRILL ON FORMULAS AND CHARGES OF IONS	(H833)	36260A	E SAT :	TRIGONOMETRIC SOLUTIONS OF TRIANGLES	(A801)	36182A
E IONICI :	DRILL ON FORMULAS OF IONIC COMPOUNDS	(H833)	36266A	T SCORES :	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	(A408)	36136A
T IRV :	FILE SORT ROUTINE	(C107)	36232A	H SETS :	UNION AND INTERSECTION OF SETS	(S801)	36337A
E ISOMER :	DRILL ON NAMING ALKANES	(H833)	36261A	E SETUP :	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B
H ITEMI :	NUMBER FREQUENCIES	(S720)	36343A	E SETUPH :	MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A
E JACORI :	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	(A820)	36167A	E SETUPC :	MANAGEMENT SIMULATION GAME FOR THE 2000C	(C880)	36209A
*T JULI :	ONE PAGE JULIAN CALENDAR	(F108)	36279A	T SIMEON :	SOLVES SIMULTANEOUS LINEAR EQUATIONS	(A314)	36026A
T JULIAN :	JULIAN CALENDAR FOR THE CURRENT YEAR	(A108)	36197A	E SIPRAC :	PRACTICE WITH SIGNED NUMBERS	(C801)	36238A
T KENO :	\$25,000.00 KENO GAME	(A903)	36244A	H SLITS :	YOUNG'S DOUBLE SLIT EXPERIMENT	(A833)	36351A
T KEYSIG :	GIVES MAJOR SCALES	(A104)	36258A	*H SLOPE :	FINOS DERIVATIVES	(A801)	36626A
H KINERV :	REVIEW OF KINEMATICS	(S833)	36315A	T SLOT :	SIMULATES A SLOT MACHINE (USE IN NEVAQA ONLY)	(A903)	36107A
H KINET :	KINETIC REACTION	(S833)	36309A	T SLSMN :	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	(A102)	36004A
T KR20 :	ITEM ANALYSIS AND KUOER-RICHARDSON FORMULA 20 RELIABILITY	(A408)	36137A	H SNELL :	SNELL'S LAW	(S833)	36320A
E LAHOR :	LABOR/MANAGEMENT BARGAINING	(A880)	36233A	T SNOOPY :	DRAWS SNOOPY ON THE TELEPRINTER	(A803)	36108A
T LEASIN :	LEASE INCOME	(C712)	36194A	E SOLVER :	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	(A820)	36149A
T LENDER :	SIMPLE LOAN ANALYSIS	(A712)	36090A	T SOLVIT :	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	(A314)	36196A
*H LENSES :	SOLVES LENS PROBLEMS	(A833)	36630A	T SORT :	FILE SERIAL STRING SORT	(C107)	36122A
T LESSEE :	LEASE ANALYSIS AS DETERMINED BY THE LESSEE	(A712)	36091A	H SPACE :	SPACECRAFT ORBITS	(S833)	36321A
T LIFE :	A GAME OF CELLULAR GENERATION GROWTH	(A903)	36138A	E SPCTRA :	OPTICAL ABSORPTION SPECTRA SIMULATION. 2- SPECIES EQUILIRRIUM MIXTURES	(A833)	36184A
*H LMSIN :	LIMIT OF (SIN X)/X	(A801)	36622A	T SPHERE :	SOLVES SPHERICAL TRIANGLES	(A301)	36034A
T LINPRO :	LINEAR PROGRAMMING MODEL	(A605)	36068B	T SQRTZ :	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	(A303)	36018A
T LNTRND :	LINEAR TREND FORECASTING	(A608)	36069A	T SQRS :	AN INTEGER AS THE SUM OF FOUR SQUARES	(A301)	36036A
T LOAN :	LOAN AMORTIZATION	(C712)	36226A	*H SORT :	FINDS SQUARE ROOT	(A801)	36627A
E LOGIC :	LOGIC EXAMINATION PROGRAMS	(H801)	36251A	H STAT :	STATISTICAL ANALYSIS OF LAH OATA	(S720)	36344A
T LOGRAM :	LOG-ON TAPE ANALYZER	(A408)	36001A	*T STAT19 :	KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	(F410)	36607A
T LPFLTR :	DESIGNS LOW-PASS FILTERS	(A513)	36060A	T STAT2 :	MANN-WHITNEY 2 SAMPLE RANK TEST	(A407)	36052A
T LQVALV :	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	(A511)	36061A	T STAT3 :	SPEARMAN RANK CORRELATION COEFFICIENTS	(A407)	36053A
*T LRGNUM :	LARGE NUMBER ADDITION & MULTIPLICATION	(A302)	36016B	*H STATAL :	ARITHMETIC MEAN	(A801)	36629A
T MACRO :	A TEXT AND FILE PROCESSING SYSTEM	(A101)	36003A	H STERL :	FLY POPULATION CONTROL	(F833)	36641A
E MANAG :	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B	T STGINT :	STRING-INTEGER CONVERSIONS	(A104)	36176A
E MANAGB :	MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A	T STGSTR :	SORTS STRINGS FROM FILES	(C107)	36145A
E MANAGC :	MANAGEMENT SIMULATION GAME FOR THE 2000C	(C880)	36209A	T STKINC :	STOCK MERGER INCENTIVE PROGRAM	(A713)	36096A
E MANAGU :	MANAGEMENT SIMULATION GAME FOR THE 2000B	(H880)	36193A	T STKRNT :	STOCK RETURNS REPORT	(A713)	36098A
T MARKOW :	SECURITIES PORTFOLIO USING MARKOWITZ MODEL	(A713)	36092A	T STKSMO :	EXPONENTIAL SMOOTHING AS A STOCK GUIDE	(A713)	36099A
H MASSD :	MASS DEFECT	(A833)	36310A	T STKVAL :	STOCK VALUE & EVALUATION REPORT	(A713)	36100A
E MATHB :	CAI MATH PACKAGE (2000B VERSION)	(A801)	20879B	H STOCK :	STOCK MARKET SIMULATION	(S860)	36331A
E MATHC :	CAI MATH PACKAGE (2000C VERSION)	(C801)	24243B	*H STOICH :	MASS VOLUME	(A833)	36618A
*H MEMBR :	DIFFUSION EXPERIMENT	(A833)	36611A	E STOP :	TIES MATH CALCULATOR PACKAGE	(A810)	36014A
*T MESSAG :	INTERTERMINAL COMMUNICATOR	(F102)	36284A	E STOPH :	MATH CALCULATOR PACKAGE	(A810)	36208A
*T METRIC :	CONVERTS ENGLISH TO METRIC	(F514)	36635A	T STPR1 :	STAR TREK	(C903)	36243A
T MICRO :	MICROWAVE PARAMETERS CONVERSION	(A513)	36062A	E SUBRTN :	CAI SUBROUTINES	(A800)	24244A
T MIXSPR :	MIXER SPURIOUS RESPONSE PROGRAM	(A513)	36064A	T SUNSET :	SUNRISE-SUNSET PREDICTOR	(S509)	36180A
T MKBUY :	MAKE-BUY DECISION ANALYSIS	(A712)	36093A	H SURFAC :	AREA OF SURFACE OF REVOLUTION	(S801)	36338A
*H MOLAR :	ACIO-BASE TITRATION	(A833)	36616A	E SYSSOL :	SOLVING SYSTEMS OF LINEAR EQUATIONS	(C801)	36278A
T MORGAG :	MORTGAGE ANALYSIS	(A712)	36094B	T T-TEST :	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	(A401)	36170A
E MRKSIM :	MARKETING SIMULATION	(A801)	36199A	T TALK :	TIME SHARING SYSTEM COMMUNICATION	(A108)	36222A
T MULREG :	MULTIPLE REGRESSION/CORRELATION	(A404)	36178A	T TAPDUM :	FILE UTILITY PROGRAM	(H110)	36221A
T MULTX :	LEAST-SQUARES FIT, MULTIPLE Y'S PER X	(A404)	36186A	E TENS :	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	(H801)	36128A
E MUSIC2 :	TRIAD SOLVING PROGRAM	(A850)	36276A	T TERTS :	TELETYPE-CRT DIAGNOSTIC	(C705)	36185A
T MUSIC5 :	FINDS DOMINANT SEVENTHS	(A104)	36259A	T TESTY :	TESTS THE OPERATION OF A REMOTE TELETYPE	(A217)	36013A
E NET-3 :	COMPLEX NUMBER OPERATIONS	(A820)	36150A	T TIDE :	TEXT EDITOR FOR THE 2000C	(C101)	36200B
*T NEWIDS :	CREATES NEW USER NUMBERS	(F108)	36248A	T TIDEA :	SYMBOLIC FILE EDITOR	(A101)	36204A
H NEWTN2 :	NEWTON'S 2ND LAW	(S833)	36316A	*T TIMER :	TIME OF THE DAY	(F104)	36297A
H NZYM2 :	ENZYM REACTION RATE	(S833)	36304A	T TITLE :	CHARACTER GENERATION	(A904)	36114A
H NZYMC :	ENZYMATIC REACTION RATES	(S833)	36303A	T TMFCEV :	TIME FUNCTION EVALUATOR	(A519)	36063A
E ORBIT :	INTEGRATES EQUATIONS OF MOTION	(A833)	36121A	T TRANSP :	TRANSPORTATION PROBLEM	(A605)	36230A
H PHOSYN :	PHOTOSYNTHESIS EXPERIMENT	(S833)	36305A	T TRCK.1 :	CALCULATE TRUCK FREIGHT RATES	(C718)	36174A
H PHOTEL :	PHOTOELECTRIC EFFECT	(S833)	36317A	E TRIFAC :	FACTORIZING QUADRATIC TRINOMIALS	(A713)	36237A
H PHOTON :	ENERGY LEVEL PROBLEM	(S833)	36318A	T TRUINT :	TRUE ANNUAL INTEREST RATE ANALYSIS	(A713)	36101A
*H PHPOH :	PH+ POH+ PCI, DISSOCIATION	(A833)	36617A	*E TRUTH :	TRUTH TABLES FOR HOOLEAN EXPRESSIONS	(F801)	36602A
*H PI :	CALCULATES PI	(A801)	36623A	E TUTOR :	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	(A810)	36139A
H PLANK :	A PHOTOELECTRIC SIMULATION	(S833)	36350A	E TWQUES :	MATHEMATICAL GAME OF TWENTY QUESTIONS	(H801)	36130A
T PLOT :	PLOTS A GIVEN FUNCTION ON THE TELETYPE	(A904)	36104A	E UNITS :	CAI IN INTERPRETATION OF EE UNITS	(A820)	36157A
H PLOTTR :	FUNCTION PLOTTER	(S810)	36334B	S VCHART :	INVESTMENT DECISIONS USING TEKTRONIX 4010	(C904)	36555A
T PLOTWD :	WORD PLOTTER	(A904)	36228A	H VFIELD :	POTENTIAL FIELD PICTURE	(S833)	36322A
T POISOR :	FILE POINTER SORT/POINTER SORT	(A107)	36206A	H VOLCITY :	INSTANTANEOUS VELOCITY	(S833)	36323A
E POLAR :	PLOTS SINGLE VARIABLE IN POLAR FORM	(A820)	36155A	H VOLSOL :	VOLUME OF SOLID OF REVOLUTION	(S801)	36339A
T POLFIT :	FITS LEAST-SQUARES POLYNOMIALS	(A404)	36023B	S VPQD :	PLOTTING DATA	(C713)	36554A
T POLFTE :	FITS LEAST-SQUARES POLYNOMIALS	(A309)	36246A	S VREGPL :	PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	(C904)	36556A
E POLSUR :	POLYNOMIAL SUBTRACTION	(C801)	36239A	S VRRRC :	INVESTMENT STRATEGY ANALYSIS	(C713)	36557A
*H POLSYS :	SIMULATION OF CITY COUNCIL	(F860)	36640A	S VSUOH :	DISPLAY ROUTINE USING TEKTRONIX 4010	(C904)	36558A
*H POLUT :	WATER POLLUTION SIMULATION	(F833)	36639A	T VTTI :	TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	(C904)	36559A
T POLY :	POLYNOMIAL APPROXIMATION	(S309)	36188A	H WATER1 :	WATER BUDGET PROBLEM CHECK	(S833)	36326A
H PRCNT :	PERCENT COMPOSITION	(S833)	36311A	H WATER2 :	WATER BUDGET	(S833)	36327A
*T PRINT :	GENERATES LARGE LETTERS	(F904)	36299A	H WAVES :	SUM OF TWO WAVES	(S833)	36324B
*H PRJTL :	PROJECTILE MOTION	(A833)	36631A	E WHEELS :	AUTD PURCHASE AND MAINTENANCE SYSTEM	(H860)	36187A
H QUADT :	NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	(S810)	36335A	T XRES :	GENERATES MATH WORKSHEETS	(A801)	36133A
T QUBIC :	PLAYS 3-DIMENSIONAL TIC-TAC-TOE	(A903)	36106A	T XREF :	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	(C211)	36143C
T HANDEV :	GENERATES RANDOM DEVIATES-SUBROUTINE	(A405)	36050B	T XTRACT :	FILE UTILITY PROGRAM	(H110)	36221A
T RANDOM :	RANDOM NUMBER GENERATOR	(A405)	36020A				
H RATIO :	SOLVES PROPORTIONS	(S801)	36336A				
T RECRUT :	RECRUITING INFORMATION SYSTEM	(A717)	36113B				
H REFLECT :	LEAST TIME PRINCIPLE AND LIGHT	(S833)	36319A				

* Indicates NEW or REVISED since February 1973

Stripe indicates SUPPORTED program

ORDER NUMBER LISTING

Volume Order No.	System Specification	Code Code	Name	Title	Volume Order No.	System Specification	Code Code	Name	Title
E 20879B	(A801)		MATHB	CAI MATH PACKAGE (2000B VERSION)	T 36102A	(A903)		GOLF	A GOLF GAME
E 24241B	(C800)		IDF	INSTRUCTIONAL DIALOGUE FACILITY	T 36103A	(A903)		RLJACK	GAME OF TWENTY-ONE
E 24242B	(C800)		EXEC	CAI EXECUTIVE PACKAGE	T 36104A	(A904)		PLOT	PLOTS A GIVEN FUNCTION ON THE TELETYPE
E 24243B	(C801)		MATHC	CAI MATH PACKAGE (2000C VERSION)	T 36105A	(A903)		BATNUM	PLAYS THE BATTLE OF NUMBERS GAME
E 24244A	(A800)		SUBRTN	CAI SUBROUTINES	T 36106A	(A903)		QURTC	PLAYS 3-DIMENSIONAL TIC-TAC-TOE
T 36001A	(A408)		LOGRAM	LOG-ON TAPE ANALYZER	T 36107A	(A903)		SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)
E 36002B	(A880)		SETUP	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	T 36108A	(A903)		SNOOPY	DRAWS SNOOPY ON THE TELEPRINTER
E 36002R	(A880)		MANAG	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	T 36109A	(A515)		REMDES	RECOMMENDS CORRECT STEEL BEAM USE
E 36002R	(A880)		RITE	MANAGEMENT SIMULATION GAME FOR THE HP 2000A	T 36110A	(A901)		CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC
T 36003A	(A101)		MACRO	A TEXT AND FILE PROCESSING SYSTEM	T 36111A	(A716)		EXPEND	BUDGET EXPENDITURES VS. TARGETS MONITOR
T 36004A	(A102)		SLSMN	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T 36112A	(A904)		FPL0T	FUNCTION PLOT
T 36005R	(A104)		FORMAT	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	T 36113R	(A717)		RECRUT	RECRUITING INFORMATION SYSTEM
T 36006A	(A110)		FILMAN	FILE MANAGER	T 36114A	(A904)		TITLE	CHARACTER GENERATION
T 36007A	(A110)		FILIN	KEYBOARD FILE LOADING PROGRAM	T 36115A	(A904)		GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER
T 36008C	(A110)		FILDUM	PAPER TAPE FILE DUMP	T 36116A	(A211)		HASTES	BASIC TEST PROGRAM
T 36009C	(A110)		FILIST	LISTS FILE CONTENTS BY RECORD NUMBER	T 36117A	(R104)		DATFS	COMPUTES DATE FROM SYSTEM CLOCK
T 36101C	(A110)		FILOAD	LOADS A FILE FROM THE TELETYPE	T 36118A	(A303)		CXARTH	VECTOR ARITHMETIC
T 36101A	(A110)		FILREA	REENTERS THE DATA TAPE DUMPED BY FILDUM	T 36119A	(A303)		CXEXP	VECTOR EXPONENTIAL
T 36102B	(A110)		FILCOY	COPIES ONE FILE INTO ANOTHER	T 36120A	(A408)		FC	ANALYSIS OF LOG TAPE
T 36103A	(A217)		TESTTY	TESTS THE OPERATION OF A REMOTE TELETYPE	E 36121A	(A833)		ORRIT	INTEGRATES EQUATIONS OF MOTION
E 36104A	(A810)		STOP	TIES MATH CALCULATOR PACKAGE	T 36122A	(C107)		SORT	FILE SERIAL STRING SORT
T 36105A	(A302)		CALC	EXTENDED PRECISION CALCULATOR	T 36125R	(R104)		HELLO	TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL
* T 36106R	(A302)		LRGNUM	LARGE NUMBER ADDITION & MULTIPLICATION	E 36128A	(R801)		TENS	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS
T 36107A	(A303)		FNCTS	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	E 36129A	(R801)		DRILL	BASIC ARITHMETIC DRILL
T 36108A	(A303)		SQR(Z)	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	E 36130A	(R801)		TWOUES	MATHEMATICAL GAME OF TWENTY QUESTIONS
T 36109A	(A306)		HESSL	CALCULATES HESSEL FUNCTION OF FIRST KIND	T 36131A	(R301)		CALCOM	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)
T 36121A	(A310)		INTGRT	COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T 36131A	(R301)		CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)
* T 36122B	(A310)		ROMINT	INTEGRATES A FUNCTION (ROMBERG METHOD)	E 36133A	(A801)		WKSHT	GENERATES MATH WORKSHEETS
T 36123R	(A404)		POLFIT	FITS LEAST-SQUARES POLYNOMIALS	E 36134A	(A833)		H-LIFE	HALF LIFE SIMULATION
T 36124A	(A311)		ROOTER	FINDS THE ROOTS OF POLYNOMIALS	T 36136A	(A408)		SCORES	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES
T 36125A	(A312)		CDETER	COMPUTES VALUE OF COMPLEX DETERMINANT	T 36137A	(A408)		KR20	ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY
T 36126A	(A314)		SIMEQN	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T 36139A	(A903)		LIFE	A GAME OF CELLULAR GENERATION GROWTH
T 36127A	(A314)		CROUT	SOLVES SIMULTANEOUS LINEAR EQUATIONS	E 36139A	(A810)		TUTOR	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25
T 36128A	(A316)		CTRFIT	COMPLEX TO REAL FAST FOURIER TRANSFORM	T 36142R	(A712)		CSHFL	CASH FLOW ANALYSIS
T 36129A	(A316)		RTCFIT	REAL TO COMPLEX FAST FOURIER TRANSFORM	T 36143C	(C211)		XREF	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR
T 36130A	(A316)		GFIT	GENERAL FAST FOURIER TRANSFORM	T 36144A	(A302)		EXTPRE	40-DIGIT PRECISION MATHEMATICS
T 36131A	(A317)		DERIV	DERIVATIVE OF A FUNCTION AT A POINT	T 36145A	(C107)		STGSH	SORTS STRINGS FROM FILES
T 36132A	(A318)		DE-1OR	1ST ORDER DIFFERENTIAL EQUATION	E 36148A	(A820)		EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME
T 36133A	(A318)		DE-2OR	2ND ORDER DIFFERENTIAL EQUATION	E 36149A	(A820)		SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS
T 36134A	(A301)		SPHERE	SOLVES SPHERICAL TRIANGLES	E 36150A	(A820)		NET-3	COMPLEX NUMBER OPERATIONS
T 36135B	(A301)		EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	E 36152A	(A820)		AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS
T 36136A	(A301)		SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES	E 36153A	(A820)		COMPLX	CAI IN ALGEBRA OF COMPLEX NUMBERS
T 36137A	(A301)		FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	E 36154A	(A820)		INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR
T 36138C	(A404)		CURFIT	PERFORMS LEAST-SQUARES FIT	E 36155A	(A820)		POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM
T 36139B	(A410)		ANVAR1	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	E 36156A	(A820)		DVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS
T 36140R	(A410)		ANVAR2	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	E 36157A	(A820)		UNITS	CAI IN INTERPRETATION OF EE UNITS
T 36141A	(A406)		BINOPD	PROBABILITY DISTRIBUTION COMPARISONS	E 36158A	(A820)		RNET	NETWORK SIMULTANEOUS EQUATIONS
T 36142A	(A407)		CHISO	COMPUTES PROBABILITY OF CHI-SQUARE VALUES	E 36159A	(A801)		DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS
T 36143B	(A407)		CHISUS	CHI-SQUARE STATISTICS FOR MAN CONTINGENCY TABLES	T 36164R	(C718)		IATA.1	CALCULATE AIR FREIGHT RATES
T 36144A	(A408)		GEOMEN	STATISTICS OF GEOMETRIC DISTRIBUTION	T 36165A	(A904)		FGRAPH	SIMULTANEOUS FUNCTION GRAPHER
T 36145B	(A405)		RANDEV	GENERATES RANDOM DEVIATES-SUBROUTINE	E 36166A	(A820)		DETERM	MATRIX DETERMINANT USING GAUSSIAN ELIMINATION
T 36146A	(A407)		STAT2	MANN-WHITNEY 2 SAMPLE PANK TEST	E 36167A	(A820)		JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX
T 36147A	(A407)		STAT3	SPEARMAN RANK CORRELATION COEFFICIENTS	T 36168A	(A301)		CALC2	THREE REGISTER CALCULATOR PROGRAM
T 36148A	(A404)		REGCOR	REGRESSION/CORRELATION	T 36169A	(A901)		FIFTY!	EXTENDED PRECISION FACTORIAL
T 36149B	(A408)		HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS	T 36170A	(A401)		T-TEST	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION
T 36150A	(A513)		ANALD	CIRCUIT ANALYSIS	T 36171B	(A603)		CPATH	CRITICAL PATH EVALUATION
T 36151A	(A513)		ACNODE	AC CIRCUIT ANALYSIS PROGRAM	T 36172A	(A410)		ANVAR3	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN
T 36152A	(A514)		HTRFR	TWO DIMENSIONAL HEAT TRANSFER	T 36173A	(A410)		ANVAR4	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT
T 36153A	(A516)		DEHYE	COMPUTES DEBYE OR EINSTEIN FUNCTION	T 36174A	(C718)		TRCK.1	CALCULATE TRUCK FREIGHT RATES
T 36154A	(A513)		LPFLTR	DESIGNS LOW-PASS FILTERS	E 36175A	(C871)		CARLOS	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II
T 36155A	(A511)		LOVALV	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	T 36176A	(A104)		STGINT	STRING-INTEGER CONVERSIONS
T 36156A	(A513)		MICRO	MICROWAVE PARAMETERS CONVERSION	T 36177A	(A708)		REP	DATA CENTER INVENTORY REPORT GENERATOR
T 36157A	(A519)		TMFCEV	TIME FUNCTION EVALUATOR	T 36178A	(A404)		IN	DATA CENTER INVENTORY REPORT GENERATOR
T 36158A	(A513)		MIXSPR	MIXER SPURIOUS RESPONSE PROGRAM	T 36179A	(C713)		MULREG	MULTIPLE REGRESSION/CORRELATION
T 36159C	(A606)		DECSN	TOP MANAGEMENT DECISION GAME	T 36180A	(S509)		DROIPE	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK
T 36160A	(A605)		DYNPRO	DYNAMIC PROGRAMMING MODEL	T 36181A	(A903)		SUNSET	SUNRISE-SUNSET PREDICTOR
T 36161A	(A608)		LINPRO	LINEAR PROGRAMMING MODEL	T 36181B	(A903)		FTRL	FOOTBALL
T 36162A	(A720)		LINTRD	LINEAR TREND FORECASTING	E 36182A	(A801)		SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES
T 36163A	(A716)		SALSIM	SALARY SCHEDULE COST SIMULATOR	E 36184A	(A833)		SPCTRA	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES
T 36164A	(A712)		RUDGET	DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	T 36185A	(C205)		TERTES	TELETYPE-CRT DIAGNOSTIC
T 36165A	(A712)		ANNUIT	ANNUITY ANALYSIS	T 36186A	(A404)		MULTX	LEAST-SQUARES FIT, MULTIPLE Y'S PER X
T 36166A	(A712)		BALSHT	PROFORMA INCOME STATEMENT AND BALANCE SHEET	E 36187A	(B860)		WHEELS	AUTO PURCHASE AND MAINTENANCE SYSTEM
T 36167R	(A713)		RNDPRC	BOND PRICE ANALYSIS	T 36188A	(S309)		POLY	POLYNOMIAL APPROXIMATION
T 36168R	(A713)		RNDSWH	BOND SWITCH ANALYSIS	T 36191B	(A408)		FRQ	FREQUENCY BETWEEN HARMONICS
T 36169R	(A713)		RNDYLD	BOND YIELD ANALYSIS	E 36193A	(R880)		SETUPB	MANAGEMENT SIMULATION GAME FOR THE 2000R
T 36170A	(A713)		RNKRSV	BANK RESERVE CALCULATIONS	E 36193A	(R880)		MANAGR	MANAGEMENT SIMULATION GAME FOR THE 2000R
T 36171A	(A713)		CAPINV	CAPITAL INVESTMENT ANALYSIS	E 36193A	(R880)		MANAGU	MANAGEMENT SIMULATION GAME FOR THE 2000B
T 36172A	(A712)		DEPCOM	DEPRECIATION METHOD COMPARISON	E 36193A	(R880)		RITET	MANAGEMENT SIMULATION GAME FOR THE 2000B
T 36173A	(A712)		EQUITY	COST OF EQUITY CAPITAL	T 36194A	(C712)		LEASIN	LEASE INCOME
T 36174A	(A713)		EXDRSK	EXTENDED RISK ANALYSIS	T 36196A	(A314)		SOLVIT	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION
T 36175A	(A713)		EXSMO0	EXPONENTIAL SMOOTHING ON PRICE DATA	T 36197A	(A108)		JULIAN	JULIAN CALENDAR FOR THE CURRENT YEAR
T 36176A	(A714)		GNSPUM	GROSS NATIONAL PRODUCT SUMMARY	E 36199A	(A880)		MRKSTM	MARKETING SIMULATION
T 36177A	(A714)		INACNT	NATIONAL INCOME & PRODUCT ACCOUNTS					
T 36178A	(A714)		IN/OUT	INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS					
T 36179A	(A712)		INSTMT	INCOME STATEMENT					
T 36180A	(A712)		LENDER	SIMPLE LOAN ANALYSIS					
T 36181A	(A712)		LESSEE	LEASE ANALYSIS AS DETERMINED BY THE LESSEE					
T 36182A	(A713)		MARROW	SECURITIES PORTFOLIO USING MARKOWITZ MODEL					
T 36183A	(A712)		MKBUY	MAKE-BUY DECISION ANALYSIS					
T 36184A	(A712)		MORGAG	MORTGAGE ANALYSIS					
T 36185A	(A710)		SALES	SALES COMMISSION REPORT					
T 36186A	(A713)		STKINC	STOCK MERGER INCENTIVE PROGRAM					
T 36187A	(A713)		STKRTO	STOCK RETURNS REPORT					
T 36188A	(A713)		STKSMO	EXPONENTIAL SMOOTHING AS A STOCK GUIDE					
T 36189A	(A713)		STKVAL	STOCK VALUE & EVALUATION REPORT					
T 36190A	(A713)		TRUINT	TRUE ANNUAL INTEREST RATE ANALYSIS					

ORDER NUMBER LISTING

T 36200R (C101)	TIDE : TEXT EDITOR FOR THE 2000C	H 36324B (S833)	WAVES : SUM OF TWO WAVES
E 36202A (C720)	ATTEND : ARSENTEE LISTING	H 36325A (S833)	CLOUDS : CLOUD FORMATION
T 36203A (A405)	RANDOM : RANDOM NUMBER GENERATOR	H 36326A (S833)	WATER1 : WATER BUDGET PROBLEM CHECK
T 36204A (A101)	TIDEX : SYMBOLIC FILE EDITOR	H 36327A (S833)	WATER2 : WATER BUDGET
E 36205A (A801)	CADAIL : COMPUTER ASSISTED ARITHMETIC DRILL	H 36328A (S860)	BALANC : TRADE AND PAYMENT BALANCES
E 36205A (A801)	CADAIM : COMPUTER ASSISTED ARITHMETIC DRILL	H 36329A (S860)	RANK : SOLVES FINANCIAL PROBLEMS
E 36205A (A801)	CADAIP : COMPUTER ASSISTED ARITHMETIC DRILL	H 36330A (S860)	CONSPM : DEPRESSION/EQUILIBRIUM
T 36206A (A107)	FILSOR : FILE POINTER SORT/POINTER SORT	H 36331A (S860)	STOCK : STOCK MARKET SIMULATION
T 36206A (A107)	POISOR : FILE POINTER SORT/POINTER SORT	H 36333A (S801)	CRVLEN : COMPUTES LENGTH OF ANY CURVE
E 36208A (A810)	STOPIH : MATH CALCULATOR PACKAGE	H 36334A (S810)	PLOTTR : FUNCTION PLOTTER
E 36209A (C880)	SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	H 36335A (S810)	QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION
E 36209A (C880)	MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C		
T 36210R (A708)	CTC1 : CTC MANUFACTURING PARTS CONTROL		
T 36211R (A708)	CTC2 : CTC INVENTORY CONTROL FOR FINISHED PRODUCTS		
*T 36212R (A717)	CTC3 : CTC PROJECTION PROGRAMS	H 36336A (S801)	HATIO : SOLVES PROPORTIONS
*T 36213R (A706)	CTC4 : CTC PAYROLL PROGRAMS	H 36337A (S801)	SETS : UNION AND INTERSECTION OF SETS
T 36214R (A711)	CTCS : CTC ACCOUNTS RECEIVABLE	H 36338A (S801)	SURFAC : AREA OF SURFACE OF REVOLUTION
T 36218A (A108)	HPMLUT : LIST/DUMP HP ASSEMBLER FILES	H 36339A (S801)	VOLSOL : VOLUME OF SOLID OF REVOLUTION
T 36218A (A108)	HPMLIT : LIST/DUMP HP ASSEMBLER FILES	H 36340A (S720)	AVERGI : AVERAGES AND CURVES GRADES
E 36219A (C810)	HRAIN : BRAIN SIMULATOR PROGRAM	H 36341A (S720)	FREG : RAP GRAPHS OF GRADES
T 36220A (C104)	CHARP : ASCII CHARACTER SET	H 36342A (S720)	GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED
T 36221A (R110)	XTRACT : FILE UTILITY PROGRAM	H 36343A (S720)	ITFM1 : NUMBER FREQUENCIES
T 36221A (R110)	TAPDUM : FILE UTILITY PROGRAM	H 36344A (S720)	STAT : STATISTICAL ANALYSIS OF LAB DATA
T 36222A (A108)	TALK : TIME SHARING SYSTEM COMMUNICATION	H 36350A (S833)	PLANK : A PHOTOELECTRIC SIMULATION
T 36226A (C712)	LOAN : LOAN AMORTIZATION	H 36351A (A833)	SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT
E 36227A (A801)	FACTHL : FACTORIALS TO 1000 PLACES	E 36353A (S833)	AF LIFE : JOHN CONWAY'S GAME OF LIFE
T 36228A (A904)	PLOTWD : WORD PLOTTER	E 36360A (S801)	RAGELS : THREE-DIGIT NUMBER GUESSING
T 36230A (A605)	TRANSP : TRANSPORTATION PROBLEM	S 36501A (C410)	GANDVA : ANALYSIS OF VARIANCE (2-WAY)
T 36231A (A102)	ADDRES : ADDRESS LABELS	S 36502A (C880)	GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME
T 36232A (C107)	IRV : FILE SORT ROUTINE	S 36503A (C713)	GCPLIN : RATING INVESTMENT FUNDS
E 36233A (A880)	LAROR : LAROR/MANAGEMENT BARGAINING	S 36504A (C603)	GCRAH : CRITICAL PATH ANALYSIS
T 36235A (C904)	HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	S 36505A (C603)	GCSP1 : CRITICAL PATH ANALYSIS
		S 36507A (C713)	GDAP1 : ABNORMAL PERFORMANCE INDEX
		S 36508A (C713)	GDVA : EFFICIENT 'CORNER' PORTFOLIOS
		S 36510A (C712)	GFNRAT : FINANCIAL RATIOS
		S 36512A (C605)	GINTLP : LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO
T 36236A (A903)	HATTLE : BATTLESHIP GAME	S 36513A (C712)	GIRPPV : INVESTMENT RETURN (CASH FLOW)
E 36237A (C801)	TRIFAC : FACTORING QUADRATIC TRINOMIALS	S 36514A (C713)	GKASSF : WARRANT PRICE CALCULATION
E 36239A (C801)	SIPRAC : PRACTICE WITH SIGNED NUMBERS	S 36515A (C713)	GKOST : PRICE/EARNINGS RATIO CALCULATION
E 36239A (C801)	POLSUB : POLYNOMIAL SUBTRACTION	S 36516A (C605)	GLP : LINEAR PROGRAMMING
E 36240A (C801)	RISGAR : SQUARING BINOMIALS	S 36517A (C605)	GLPSA1 : LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD
T 36241A (C718)	IATA.C : CALCULATES BREAKPOINT OF IATA CONTAINERS		
T 36243A (C903)	STTR1 : STAR TREK	T 36518A (C720)	GMARKS : GSR GRADING PROGRAM
T 36244A (A903)	KENO : \$25,000.00 KENO GAME	T 36519A (C720)	GMEDIT : GSR GRADING PROGRAM
T 36246A (A304)	POLFTB : FITS LEAST-SQUARES POLYNOMIALS	S 36519A (C830)	GMCR01 : FISCAL POLICY GAME
*T 36247A (F110)	FILKPT : REPORTS FILE CONTENTS AND STRUCTURE	S 36519A (C830)	GMCR02 : FISCAL POLICY GAME
*T 36248A (F108)	NEWIDS : CREATES NEW USER NUMBERS	S 36521A (C830)	GMCR06 : ECONOMIC POLICY GAME
*T 36250R (C102)	FINDIT : INFORMATION RETRIEVAL SYSTEM	S 36521A (C830)	GMCR05 : ECONOMIC POLICY GAME
E 36251A (A801)	LOGIC : LOGIC EXAMINATION PROGRAM	S 36529A (C604)	GNETFL : NETWORK FLOW
E 36253A (C801)	EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	S 36530A (C713)	GNMVRH : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
E 36254A (C810)	EXPRES : EXPRESSION SOLVING PROGRAM		
T 36256R (C104)	ASCII : CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	S 36530A (C713)	GMRGH : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
T 36257A (C104)	-ASCII : ASCII CODE GENERATOR		
T 36258A (A104)	KEYSIG : GIVES MAJOR SCALES	S 36541A (C408)	GRANK : RANKING STATISTICS
T 36259A (A104)	MUSIC5 : FINDS DOMINANT SEVENTHS	S 36542A (C404)	GRGPLT : SIMPLE REGRESSION AND PLOT
E 36260A (S833)	IONIC : DRILL ON FORMULAS AND CHARGES OF IONS	S 36543A (C712)	GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT
E 36261A (S833)	ISOMER : DRILL ON NAMING ALKANES	S 36545A (C713)	GSTKVL : STOCK VALUATION
E 36262A (A801)	CASYS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	S 36547A (C314)	GTIMEQ : SIMULTANEOUS LINEAR EQUATIONS
T 36263A (A312)	DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T 36549A (C104)	GTAPID : PAPER TAPE TITLER
T 36264A (A405)	RNDORD : PLACING INTEGERS IN RANDOM ORDER	S 36549A (C406)	GTASPD : SUBJECTIVE PROBABILITY DISTRIBUTION
E 36265A (A801)	GAME : CLASSIC MATRIX OF GAME THEORY	S 36550A (C606)	GVOTE : COMMITTEE CHOICE ANALYSIS
E 36266A (S833)	IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS	S 36551A (C405)	GWRULL : SUBJECTIVE PROBABILITY - RANDOM VALUES
E 36267A (S833)	ELEMENT : DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	S 36552A (C607)	GSSS : SMALL SYSTEMS SIMULATOR
*T 36271A (F410)	ANOVA3 : THREE FACTORIAL ANALYSIS OF VARIANCE	S 36553A (C713)	GTHOR : SECURITIES EPS GROWTH
T 36272A (C108)	FILS : FILE LISTING PROGRAM/INSTRUCTIONS	S 36554A (C713)	GVPDQT : PLOTTING DATA
T 36272A (C108)	FILIS1 : FILE LISTING PROGRAM/INSTRUCTIONS	S 36555A (C904)	VDPQ : PLOTTING DATA
E 36276A (A850)	MUSIC2 : TAP SOLVING PROGRAM	S 36555A (C904)	VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010
E 36277A (C801)	DIMS : X-Y AXIS SEGMENT PROGRAM		
*E 36278A (C801)	SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	S 36557A (C713)	VRRC : INVESTMENT STRATEGY ANALYSIS
*T 36279A (F104)	JULI : ONE PAGE JULIAN CALENDAR	S 36559A (C904)	VSUH : DISPLAY ROUTINE USING TEKTRONIX 4010
*T 36282A (F720)	COLREG : COLLEGE REGISTRATION DEMO	T 36559A (C904)	VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL
*E 36284A (F102)	MESSAG : INTERTERMINAL COMMUNICATOR		
*T 36287A (F212)	DATA : DUMPS FILE TO DATA STATEMENTS	*T 36601A (A903)	DRAG : SIMULATES A DRAG ROCE
*T 36288A (F108)	CALNDR : PRINTS A CALENDAR	*E 36602A (F801)	TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS
*T 36292A (A107)	ALPHA : ALPHANUMERIC SORT	*E 36603A (F833)	ALERA : PROPAGATION OF ERROR
*T 36293A (F513)	ACTFIL : ACTIVE FILTER DESIGN	*E 36604A (F860)	CHARGE : CHARGE ACCOUNT SIMULATION
*T 36294A (A410)	ANCOV : ANALYSIS OF COVARIANCE	*T 36606A (F407)	FISHER : FISHER'S EXACT PROBABILITY TEST
*E 36295A (F833)	CHEM : SELF-CORRECTING CHEMISTRY TEST	*T 36607A (F410)	STAT19 : KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE
*T 36296A (F104)	ALFTOV : ALPHA TO VARIABLE CONVERSION		
*T 36297A (F104)	TIMER : TIME OF THE DAY	*H 36611A (A833)	MEMHR : DIFFUSION EXPERIMENT
*T 36299A (F104)	DATEP : DATE AND DAY OF THE WEEK	*H 36613A (A833)	ATWT : CALCULATES ATOMIC WEIGHT
*T 36299A (F904)	PRINT : GENERATES LARGE LETTERS	*H 36614A (A833)	AVOGA : AVOGADRA'S NUMBER
H 36300A (S833)	DROS : GENETIC CHARACTERISTICS	*H 36615A (A833)	EMPIR : CALCULATES EMPIRICAL FORMULAS
H 36301A (S833)	EVOLU : NATURAL SELECTION EXPERIMENT	*H 36616A (A833)	MOLAR : ACID-BASE TITRATION
H 36302A (S833)	GAMEN : PROCESS OF GAMETOGENESIS	*H 36617A (A833)	PHPOH : PH, POH, PCT, DISSOCIATION
H 36303A (S833)	NZYMC : ENZYME REACTION RATES	*H 36619A (A833)	STOICH : MASS VOLUME
H 36304A (S833)	NZYM2 : ENZYME REACTION RATE	*H 36620A (A801)	CVAREA : AREA UNDER CURVE
H 36305A (S833)	PHOSYN : PHOTOSYNTHESIS EXPERIMENT	*H 36622A (A801)	LIMSIN : LIMIT OF (SIN X)/X
H 36306A (S833)	DECAY1 : RADIOACTIVE DECAY GAME	*H 36623A (A801)	PI : CALCULATES PI
H 36307A (S833)	DECAY2 : NUCLEAR DECAY	*H 36625A (A801)	ROOTS2 : QUADRATIC EQUATION SOLVER
H 36308A (S833)	EQUIL1 : EQUILIBRIUM SYSTEMS	*H 36626A (A801)	SLOPE : FINDS DERIVATIVES
H 36308A (S833)	EQUIL2 : EQUILIBRIUM SYSTEMS	*H 36627A (A801)	SQRT : FINDS SQUARE ROOT
H 36309A (S833)	KINET : KINETIC REACTION	*H 36628A (A801)	STATAL : ARITHMETIC MEAN
H 36310A (A833)	MASSD : MASS DEFECT	*H 36629A (A833)	FFIELD : ELECTRIC FIELD STRENGTH
H 36311A (S833)	PRCNT : PERCENT COMPOSITION	*H 36630A (A833)	LENSES : SOLVES LENS PROBLEMS
H 36312A (S833)	BFIELD : MAGNETIC FIELD PICTURE	*H 36631A (A833)	PRJTL : PROJECTILE MOTION
H 36313A (S833)	RUMR : ENERGY LEVEL DIAGRAM	*H 36632A (A830)	CIRFLW : CIRCULAR FLOW MODEL
H 36314A (S833)	CALORI : CALORIMETRY EXPERIMENT	*T 36635A (F514)	METRIC : CONVERTS ENGLISH TO METRIC
H 36315A (S833)	KINERV : REVIEW OF KINEMATICS	*T 36639A (F709)	CTCA : CTC ACCOUNTS PAYABLE
H 36316A (S833)	NEWTON : NEWTON'S 2ND LAW	*H 36639A (F833)	POLUT : WATER POLLUTION SIMULATION
H 36317A (S833)	PHOTEL : PHOTOELECTRIC EFFECT	*H 36640A (F860)	POLSYS : SIMULATION OF CITY COUNCIL
H 36318A (S833)	PHOTON : ENERGY LEVEL PROBLEM	*H 36641A (F833)	STERL : FLY POPULATION CONTROL
H 36319A (S833)	REFLECT : LEAST TIME PRINCIPLE AND LIGHT	*H 36642A (F833)	GENE1 : GENETICS SIMULATION
H 36320A (S833)	SNELL : SNELL'S LAW		
H 36321A (S833)	SPACE : SPACELIFT ORBITS		
H 36322A (S833)	VFIELD : POTENTIAL FIELD PICTURE		
H 36323A (S833)	VLOCTY : INSTANTANEOUS VELOCITY		



EDUCATIONAL USERS GROUP PROGRAM LIBRARY

VOLUME IV

**STANFORD GRADUATE SCHOOL OF BUSINESS
PROGRAM LIBRARY HANDBOOK**

The Hewlett-Packard Company makes no warranty, expressed or implied, and assumes no responsibility in connection with the operation of the contributed program material attached hereto.

HEWLETT-PACKARD, SOFTWARE CENTER, 11000 Wolfe Road, Cupertino, California 95014 Area Code 408 257-7000 TWX 910-338-0221

36500-90001	10/72	Handbook
36400-90004	2/73	Addenda
36000-90673	6/73	Addenda

Printed in U.S.A.

CLASSIFICATION CODE CATEGORY

(Not all categories have programs. Please refer to
Classification Code Listing for available programs in HP BASIC)

100 DATA HANDLING

101 EDITING
102 INFORMATION STORAGE AND RETRIEVAL
103 TABLE HANDLING
104 CHARACTER/SYMBOL MANIPULATION
105 CODE/RADIX CONVERSION
106 DUPLICATION
107 SORTING AND MERGING
108 DATA HANDLING UTILITIES
109 MEDIA CONVERSION
110 FILE MANAGEMENT
112 SPECIAL FORMAT DATA TRANSFER

200 TESTING, DEBUGGING AND PROGRAMMING AIDS

201 TRACING
202 INSTRUMENT TEST
203 DISC/DRUM EQUIPMENT TEST
204 MAGNETIC TAPE EQUIPMENT TEST
205 GRAPHIC EQUIPMENT TEST
206 MEMORY SEARCH AND DISPLAY
207 DUMPING
208 CORE STORAGE TEST
209 CENTRAL PROCESSING UNIT TEST
210 BREAK POINTS
211 DEBUGGING AIDS
212 PROGRAMMING AIDS
213 PAPER TAPE EQUIPMENT TEST
214 PUNCH CARD EQUIPMENT TEST
215 PRINTER EQUIPMENT TEST
216 A/D - D/A EQUIPMENT TEST
217 TELECOMMUNICATIONS EQUIPMENT TEST
218 SPECIAL DEVICE EQUIPMENT TEST
219 DATA ACQUISITION SYSTEMS TEST

300 MATH AND NUMERICAL ANALYSIS

301 MATHEMATICS, GENERAL
302 EXTENDED-PRECISION ARITHMETIC
303 COMPLEX ARITHMETIC
304 BCD/ASCII ARITHMETIC
305 BOOLEAN ALGEBRA
306 FUNCTIONS, COMPUTATION OF
307 INTERPOLATION/EXTRAPOLATION
309 CURVE FITTING
310 NUMERICAL INTEGRATION
311 POLYNOMIALS AND POLYNOMIAL EQUATIONS
312 MATRIX OPERATIONS
313 EIGENVALUES AND EIGENVECTORS
314 SYSTEMS OF LINEAR EQUATIONS
315 SYSTEMS OF NON-LINEAR EQUATIONS
316 INTEGRAL TRANSFORMS
317 NUMERICAL DIFFERENTIATION
318 ORDINARY DIFFERENTIAL EQUATIONS
319 PARTIAL DIFFERENTIAL EQUATIONS

400 PROBABILITY AND STATISTICS

401 UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS
402 TIME SERIES ANALYSIS
403 DISCRIMINANT ANALYSIS
404 REGRESSION ANALYSIS
405 RANDOM NUMBER GENERATORS
406 PROBABILITY DISTRIBUTION SAMPLING
407 NON-PARAMETRIC STATISTICS
408 STATISTICS, GENERAL
409 CORRELATION ANALYSIS
410 ANALYSIS OF VARIANCE AND COVARIANCE
411 FACTOR ANALYSIS
412 SCALING
413 GENERAL PROBABILITY

500 SCIENTIFIC AND ENGINEERING APPLICATIONS

501 SOCIAL AND BEHAVIORAL SCIENCES
502 GEOPHYSICS
503 GEOLOGY
504 OCEANOGRAPHY

505 PHYSICS
506 MEDICAL SCIENCES
507 CHEMISTRY
508 BIOLOGY
509 ASTRONOMY AND CELESTIAL NAVIGATION
510 PETROLEUM ENGINEERING
511 HYDRAULIC ENGINEERING
512 NUCLEAR ENGINEERING
513 ELECTRICAL ENGINEERING
514 MECHANICAL ENGINEERING
515 CIVIL ENGINEERING
516 CHEMICAL ENGINEERING
517 AERONAUTICAL ENGINEERING
518 STRUCTURAL ENGINEERING
519 SYSTEM THEORY

600 MANAGEMENT SCIENCES AND OPERATIONS RESEARCH

602 PERT
603 CRITICAL PATH ANALYSIS
604 OPTIMIZATION PROGRAMS
605 LINEAR PROGRAMMING
606 DISCRETE SYSTEMS SIMULATION
607 CONTINUOUS SYSTEMS SIMULATION
608 FORECASTING TECHNIQUES
610 DYNAMIC PROGRAMMING

700 BUSINESS AND MANUFACTURING APPLICATIONS

701 JOB REPORTING
702 QUALITY ASSURANCE PERFORMANCE ANALYSIS
703 QUALITY ASSURANCE TESTING
704 NUMERICAL CONTROL
705 BILL OF MATERIALS
706 PAYROLL ACCOUNTING
707 WORK-IN-PROCESS CONTROL
708 INVENTORY ANALYSIS
709 ACCOUNTS PAYABLE
710 SALES FORECASTING
711 ACCOUNTS RECEIVABLE
712 FINANCIAL ANALYSIS
713 INVESTMENT ANALYSIS
714 ECONOMIC ANALYSIS
716 BUDGETING PROGRAMS
717 BUSINESS INFORMATION SYSTEMS
718 BUSINESS SERVICES
720 EDUCATIONAL ADMINISTRATION

800 EDUCATION

801 MATHEMATICS (EDUCATION)
810 PROGRAMMING AND COMPUTER SCIENCE (EDUCATION)
820 ENGINEERING (EDUCATION)
830 ECONOMICS (EDUCATION)
833 SCIENCE (EDUCATION)
850 FINE ARTS (EDUCATION)
860 SOCIAL SCIENCE (EDUCATION)
863 HISTORY (EDUCATION)
870 ENGLISH (EDUCATION)
871 FOREIGN LANGUAGES (EDUCATION)
872 READING (EDUCATION)
880 BUSINESS (EDUCATION)
890 VOCATIONAL (EDUCATION)

900 UNCLASSIFIED

901 DEMONSTRATIONS
903 GAMES
904 PLOTTING ROUTINES
905 MICROCODE

INTRODUCTION

What is Hewlett-Packard?

From a two-man beginning some thirty years ago, Hewlett-Packard has developed into a major designer and manufacturer of electronics for measurement, analysis, and computation. HP customers in science, industry, medicine, and education know and appreciate Hewlett-Packard's reputation for technical excellence, quality, and reliability.

Over 100 world-wide offices sell and service the products of sixteen manufacturing facilities located in the United States, Europe, and the Far East. Specialized customer support (such as training, systems analysis and equipment rental) is available at domestic regional Data Centers in New Jersey, Georgia, Illinois, and California and international data centers in Italy, England, Germany, France, Canada, and Australia.

What is the HP BASIC Library?

One important facet of customer support is the collection and distribution of contributed software, from and for HP computer users. The HP BASIC Library contains contributed programs covering a variety of subjects, all written in the HP BASIC language. You can use these programs directly or as a starting point for developing your own special-purpose software. Many of the programs run on a "single terminal" BASIC system; however, some use sophisticated features available only to time-share system users.

How is the HP BASIC Library Organized?

Hewlett-Packard has categorized all programs within the following major areas of user interest:

- 1 - DATA HANDLING
- 2 - TESTING, DEBUGGING AND PROGRAMMING AIDS
- 3 - MATH AND NUMERICAL ANALYSIS
- 4 - PROBABILITY AND STATISTICS
- 5 - SCIENTIFIC AND ENGINEERING APPLICATIONS
- 6 - MANAGEMENT SCIENCES AND OPERATIONS RESEARCH
- 7 - BUSINESS AND MANUFACTURING APPLICATIONS
- 8 - EDUCATION
- 9 - UNCLASSIFIED

The four indices appearing at the beginning of the Handbook contain all BASIC programs available through the HP BASIC Program Library. Four separate handbooks are now available. The indices indicate in which of the four volumes the programs appear.

T = HP BASIC
E = EDUCATION
H = HUNTINGTON
S = STANFORD

The programs which appear in this Handbook are designated by an "H".

Program indices are by:

- Classification Code (In the Handbooks, programs are sequenced by classification code)
- Cross-reference Index
- Program Name (In alphabetical order)
- Order Number

Who Prepares These Programs?

Volume II contains programs prepared by the Huntington Computer Project and contributed as a block to the Educational Users Group Program Library. These programs have been copyrighted by the Huntington Project and remain their property but are available under a special agreement as a part of the Program Library.

Volume II now contains programs developed by the Huntington II Project at the State University of New York. This work was partially supported by the National Science Foundation, Grant GW-5883.

Hewlett-Packard **supported programs** written in HP BASIC are now listed in the Educational Users Group Handbook, Volume III, Applications Programs, and the HP BASIC Handbook or general programs. They are distinguished by a stripe. **Contributed programs** in HP BASIC which have been submitted by users of HP computer systems throughout the world are listed in the HP BASIC Handbook, The Educational Users Group Handbooks, including the Stanford Graduate School of Business Handbook. The Educational Handbooks contain programs which are oriented for instructional purposes.

Contributions to our library are from many disciplines and various applications. HP personnel at the Software Center run and check the documentation for each program, but because it is impractical to test these programs under all possible conditions, Hewlett-Packard cannot assume responsibility for errors. Therefore, please report any errors you might find to the Software Center for forwarding to the program contributors.

How Can I Make Use of These Programs?

This handbook contains operating instructions, a sample RUN and Listings for each program. If the time-share system your terminal accesses has these programs in its system library, you merely GET the program preceding the name by a "\$." Otherwise, you may enter the

program from your terminal by duplicating the information in the listing.

The system on which the program was tested by Software Center personnel is listed under "Systems Specifications" in the Handbooks, and it is indicated in the Indices as the leading alpha of the classification code. Its versatility to RUN on other time-sharing systems can be determined from its program features. The following chart was designed to be used in conjunction with the program listings from the BASIC Handbooks.

Program Features	2000A	2000B	2000C	2000E	2000C High-Speed 2000F
Maximum Program Size	5100 Words	5100 Words	10000 Words	4180 Words	10000 Words
Maximum Number of Files	8	8	16	4	16
Maximum Number of Records/File	128	128	32767	48	32767
Maximum Number of Words/Record	64	64	256	128	256
Programmable Functions:					
TIME		X	X	X	X
ENTER		X	X	X	X
COMMON		X	X	X	X
CHAIN		Chain-Name X	Chain-Name, Statement No. X	Chain-Name X	Chain-Name, Statement No. X
PRINT USING (IMAGE)			X		X
BRK					X
ASSIGN			X		X
RESTARTABLE RND			X	X	X
SPACE			X		X
LINE			X		X

How Can I Order These Programs?

Contact your local HP sales office to order any of the material from the library, (except HP subscriptions).

To order magnetic tapes of all contributed BASIC software, contact your local HP sales office and ask for:

HP Part No. 02000-90029 2000C Mag Tape \$25.00
 HP Part No. 02000-90060 2000C/F Mag Tape 25.00
 HP Part No. 02000-90059 2000E Disc Cartridge 150.00*

* Price includes disc. If you return your user cartridge with your order, the price is \$25.

Individual Programs On Paper Tape and Handbooks

Programs include punched paper tape and documented user procedures. Price, \$10 per program or otherwise noted on program documentation to cover the cost of reproduction and handling. **Licensed HP-supported programs are available only with the purchase of an HP time-share system.**

Note: The June 1973 Addenda to the HP BASIC Library Handbooks is a single package, including both the HP BASIC Handbook Addenda and the Educational Users Group Addenda. The order number assigned to this addenda (HP 36000-90673) reflects the issue date in the last 3 digits.

To order individual Handbooks from your local sales office, use the following:

Title	Date	Part Order No.	Price
HP BASIC Program Library Handbook	June '72	36000-90001	\$10
HP BASIC Program Library Handbook Addenda	Oct. '72	36000-90002	\$ 3
HP BASIC Program Library Handbook Addenda	Feb. '73	36000-90003	\$ 3
Educational Users Group Program Library—Vol. II			
Huntington Computer Project	Feb. '72	5951-3041	\$ 5
Educational Users Group Program Library—Vol. III			
Application Programs	Feb. '72	5951-3042	\$ 5
Educational Users Group Program Library—Vol. IV			
Stanford Graduate School of Business Handbook	Oct. '72	36500-90001	\$ 5
Educational Users Group Program Library—Addenda	June '72	36400-90002	\$ 3
Educational User Group Program Library—Addenda	Oct. '72	36400-90003	\$ 3
Educational Users Group Program Library—Addenda	Feb. '73	36400-90004	\$ 3
HP BASIC & Educational Users Group Program Library Addenda	June '73	36000-90673	\$ 6

Note: Educational Users Group Program Library Volume I, Guide to Educational Support (HP 5951-3040) is obsolete and has been discontinued.

OTHER LIBRARY PUBLICATIONS

The following is a list of documentation not included in the Library Handbooks. They should be ordered to fully document the programs referenced.

Title	Date	Order No.	Price
FINDIT Users Manual	Feb. '73	36250A, Option D00	\$ 5
TIDE Text Editor	Oct. '71	36200 Option D00	\$ 5
CTC1 Documentation	Feb. '73	36210B	\$ 5
CTC2 Documentation	Feb. '73	36211B	\$ 5
CTC3 Documentation	June '73	36212B	\$ 5
CTC4 Documentation	June '73	36213B	\$ 5
CTC5 Documentation	Feb. '73	36214B	\$ 5
CTC6 Documentation	June '73	3663BA	\$ 5

How to Update These Volumes?

This handbook was produced, three-hole punched, and stapled so that users can unbind them and keep them in a loose-leaf notebook.



A 2" capacity binder is available from Hewlett-Packard. Order HP Part No. 9282-0069 (to match your other HP System manuals.)

Updates will be issued once every four months. The updates will contain revisions and additional programs. The updates should be merged with the original to produce single volumes.

HP BASIC SUBSCRIPTION SERVICES

(available only to users in the North American countries)

PAPER TAPE SUBSCRIPTIONS

To subscribe, mail Hewlett-Packard a check for \$250 (plus applicable state and local taxes). When we receive a paper tape subscription, we send the subscriber a booklet containing 50 coupons. Discounted punched paper tapes may then be procured via coupon or coupons as follows: (Check the documentation—if no price appears, the program is \$10.)

NORMAL PROGRAM PRICE	COUPONS REQUIRED
\$10 to \$40	1
50 to 90	2
100 to 140	3
150 to 190	4
200 to 240	5

MAGNETIC TAPE SUBSCRIPTIONS

A "two-year" magnetic tape subscription service of contributed BASIC programs is available to 2000C System owners for \$100 (plus applicable state and local taxes). When we receive a magnetic tape subscription, we send the subscriber a current magnetic tape plus a coupon book for five additional magnetic tapes (released periodically). The coupon book consists of five self-addressed prepaid mailing cards. The subscriber simply mails a card each time a new addendum is released. Each new index announces a new addendum.

HP BASIC HANDBOOK SUBSCRIPTIONS

A "two-year" handbook subscription service for a choice of any three of the handbooks is available to HP users for \$25 (plus applicable state and local taxes). When we receive a handbook subscription, we send the subscriber the current set of the three volumes he has requested, plus a coupon book to handle future addenda when they are announced in the Index. The user will receive addenda released between June 1972 and June 1974.

To order any of the above subscriptions, make your check payable to Hewlett-Packard Company and mail to:

Hewlett-Packard Company
Software Distribution
11000 Wolfe Road
Cupertino, California 95014

When Will New Programs be Added?

New programs are continually added to the library. A new "INDEX TO HP BASIC PROGRAM LIBRARY" is published every February, June, and October. The Index announces the release of new addenda, lists all the programs to date in the BASIC Library (by cross reference words); and flags new, revised, and HP-supported programs. Using the Index (5952-4639) you can learn about new additions, contribute your own programs and report any software bugs. Copies of the Index are complimentary and may be obtained from your local HP Sales and Service office.

How Do I Interpret the Listings?

The ASCII characters "Control N" and "Control O" when used in a PRINT statement, generate linefeed and carriage return on the TTY terminal during a RUN. During a LIST these characters are not printed by a TTY. On HP 2778 and the HP 2610 line printer listing, these characters are printed as "N" and "O" respectively. Listings in some Handbooks were prepared on these line printers.

What Related Information is Available?

There are a number of manuals and documents relating to HP 2000 series Time-Sharing Systems that may be of value to users of the Handbook. These include:

Language Manuals:

- 2000C: A GUIDE TO TIME-SHARED BASIC (02000-90016) – June, 1972
- A GUIDE TO HP EDUCATIONAL BASIC (02116-91773) – September, 1971
- HP BASIC (02116-9077) – April, 1970
- 2000A: A GUIDE TO TIME-SHARED BASIC (02000-90002) – August, 1970
- 2000F: A GUIDE TO TIME-SHARED BASIC (02000-90044) – August, 1972

Operating System Manuals:

- 2000C: TIME-SHARED BASIC OPERATOR'S GUIDE (02000-900017) – June, 1972
- 2000B TO 2000C CONVERSION PROGRAM GUIDE (02000-90031) – April, 1971
- 2000F: TIME-SHARED BASIC SYSTEM OPERATOR'S GUIDE (02000-90045) – August, 1972
- 2000A: TIME-SHARED BASIC SYSTEM OPERATOR'S GUIDE (02000-90001) – September, 1970
- 2000A TO 2000B CONVERSION GUIDE (02000-90011) – August, 1970

Educational Applications Manuals:

2000C/2000F SYSTEM OPERATOR INSTRUCTIONS FOR EDUCATIONAL APPLICATION (02000-90046) – December, 1972
2000C/2000F INSTRUCTIONAL MANAGEMENT FACILITY AND INSTRUCTIONAL DIALOGUE FACILITY—PROCTORS MANUAL (02000-90047) – December, 1972
2000C/2000F MATHEMATICS DRILL AND PRACTICE PROGRAM—PROCTORS MANUAL (02000-90051) – December, 1972
2000C/2000F INSTRUCTIONAL DIALOGUE FACILITY—AUTHORS MANUAL (02000-90055) – January, 1973
2000C/2000F MATHEMATICS DRILL AND PRACTICE PROGRAM—TEACHERS HANDBOOK (02000-90052) – December, 1972
COPYFL (02000-90032) – September, 1971
EDCALC (02000-90033) – September, 1971
INITIALIZATION (02000-90034) – September, 1971
INTEGER TO STRING (02000-90035) – September, 1971
DATE AND TIME (02000-90036) – September, 1971
2000C/2000F INTRODUCTION TO MATHEMATICS DRILL AND PRACTICE (02000-90050) – August, 1972
2000C/2000F MATHEMATICS DRILL AND PRACTICE CURRICULUM GUIDE (02000-90053) – August, 1972
COURSE DEVELOPERS' MANUAL FOR IDF-1 AND IMF-1 (02000-90061) – February, 1973

UPSHIFT (02000-90037) – September, 1971

CHARACTER REMOVAL

(02000-90038) – September, 1971

KEY WORD SEARCH (02000-90039) – September, 1971

DOWNSHIFT (02000-90040) – September, 1971

STRING MATCH WITH "DON'T CARES"

(02000-90041) – September, 1971

STRING TO NUMBER (02000-90042) –

September, 1971

STUDENT RESPONSE ANALYSIS

(02000-90043) – September, 1971

The preceding publications are available at nominal cost through your local HP sales office.

In addition, both 35mm slides and video tape instructional courses on programming in the BASIC language have been prepared. Again, contact the nearest HP sales office for more information.

The HP Program Catalog lists abstracts for over 700 programs written in FORTRAN, ALGOL, and HP Assembly Language suitable for various configurations of non BASIC language Systems. This catalog is available at no charge from your local HP sales and support office. 5950-9226

An active educational group for BASIC language computer users also invites inquiries. For more information on this activity, contact the Executive Secretary; Educational Users' Group, Hewlett-Packard Company; 11000 Wolfe Road, Cupertino, California 95014.

CLASSIFICATION CODE LISTING

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

Volume	System Specification	Classification Code	Order No.	Name	Title	Volume	System Specification	Classification Code	Order No.	Name	Title
T	(A101)	36003A		MACRO	: A TEXT AND FILE PROCESSING SYSTEM	S	(C405)	36551A		GWRULL	: SUBJECTIVE PROBABILITY - RANDOM VALUES
T	(C101)	36200R		TIDE	: TEXT EDITOR FOR THE 2000C	T	(A406)	36041A		BINOPO	: PROBABILITY DISTRIBUTION COMPARISONS
T	(A101)	36204A		TIDEX	: SYMBOLIC FILE EDITOR	S	(C406)	36549A		GTASPD	: SUBJECTIVE PROBABILITY DISTRIBUTION
T	(A102)	36004A		SLSMN	: SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	(A407)	36042A		CHISQ	: COMPUTES PROBABILITY OF CHI-SQUARE VALUES
T	(A102)	36231A		ADOREE	: ADDRESS LABELS	T	(A407)	36043B		CHISQS	: CHI-SQUARE STATISTICS FOR MN CONTINGENCY TABLES
*T	(C102)	36250B		FINDIT	: INFORMATION RETRIEVAL SYSTEM	T	(A407)	36052A		STAT2	: MANN-WHITNEY 2 SAMPLE RANK TEST
*T	(F102)	36284A		MESSAG	: INTERTERMINAL COMMUNICATOR	T	(A407)	36053A		STAT3	: SPEARMAN RANK CORRELATION COEFFICIENTS
T	(A104)	36005B		FOHMAT	: ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	*T	(F407)	36606A		FISHER	: FISHER'S EXACT PROBABILITY TEST
T	(B104)	36117A		DATES	: COMPUTES DATE FROM SYSTEM CLOCK	T	(A408)	36001A		LOGRAM	: LOG-ON TAPE ANALYZER
T	(B104)	36125B		HELLO	: TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	T	(A408)	36045A		GEOMEN	: STATISTICS OF GEOMETRIC DISTRIBUTION
T	(A104)	36176A		STGINT	: STRING-INTEGER CONVERSIONS	T	(A408)	36055B		HISTOG	: A HISTOGRAM FORMED FROM A SET OF NUMBERS
T	(C104)	36220A		CHARS	: ASCII CHARACTER SET	T	(A408)	36120A		FC	: ANALYSIS OF LOG TAPE
T	(C104)	36256B		ASCII	: CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	T	(A408)	36136A		SCORES	: COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES
T	(C104)	36257A		-ASCII	: ASCII CODE GENERATOR	T	(A408)	36137A		KH20	: ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY
T	(A104)	36258A		KEYSIG	: GIVES MAJOR SCALES	T	(A408)	36191B		FRQ	: FREQUENCY BETWEEN HOUNDRIES
T	(A104)	36259A		MUSICS	: FINDS DOMINANT SEVENTHS	S	(C408)	36541A		GRANK	: RANKING STATISTICS
*T	(F104)	36296A		ALFTOV	: ALPHA TO VARIABLE CONVERSION	T	(A410)	36039B		ANVAR1	: ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN
*T	(F104)	36297A		TIMER	: TIME OF THE DAY	T	(A410)	36040B		ANVAR2	: ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)
*T	(F104)	36298A		DATER	: DATE AND DAY OF THE WEEK	T	(A410)	36172A		ANVAR3	: ANALYSIS OF VARIANCE FOR TWO VARIABLES OF CLASSIFICATION DESIGN
T	(C104)	36548A		GTAPID	: PAPER TAPE TITLE	T	(A410)	36173A		ANVAR4	: TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT
T	(C107)	36122A		SORT	: FILE SERIAL STRING SORT	*T	(F410)	36271A		ANOVA3	: THREE FACTORIAL ANALYSIS OF VARIANCE
T	(C107)	36145A		STGSTR	: SORTS STRINGS FROM FILES	*T	(A410)	36294A		ANCOV	: ANALYSIS OF COVARIANCE
T	(A107)	36206A		FILSOR	: FILE POINTER SORT/POINTER SORT	S	(C410)	36501A		GANOVA	: ANALYSIS OF VARIANCE (2-WAY)
T	(A107)	36206A		PUI50R	: FILE POINTER SORT/POINTER SORT	*T	(F410)	36607A		STAT19	: KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE
T	(C107)	36232A		IRV	: FILE SORT ROUTINE	T	(S509)	36180A		SUNSET	: SUNRISE-SUNSET PREDICTOR
*T	(A107)	36292A		ALPHA	: ALPHANUMERIC SORT	T	(A511)	36061A		LOWALY	: COMPUTES LIQUID CONTROL VALVE COEFFICIENTS
T	(A108)	36197A		JULIAN	: JULIAN CALENDAR FOR THE CURRENT YEAR	T	(A513)	36056A		ANALAD	: CIRCUIT ANALYSIS
T	(A108)	36218A		HPMLUT	: LIST/DUMP HP ASSEMBLER FILES	T	(A513)	36057A		ACNODE	: AC CIRCUIT ANALYSIS PROGRAM
T	(A108)	36218A		HPMLIT	: LIST/DUMP HP ASSEMBLER FILES	T	(A513)	36060A		LPFLTR	: DESIGNS LOW-PASS FILTERS
T	(A108)	36222A		TALK	: TIME SHARING SYSTEM COMMUNICATION	T	(A513)	36062A		MICRO	: MICROWAVE PARAMETERS CONVERSION
*T	(F108)	36248A		NEWIDS	: CREATES NEW USER NUMBERS	T	(A513)	36064A		MIXSPR	: MIXED STOCHASTIC RESPONSE PROGRAM
T	(C108)	36272A		FILIS	: FILE LISTING PROGRAM/INSTRUCTIONS	*T	(F513)	36293A		ACTFIL	: ACTIVE FILTER DESIGN
T	(C108)	36272A		FILISI	: FILE LISTING PROGRAM/INSTRUCTIONS	T	(A514)	36058A		HTXFR	: TWO DIMENSIONAL HEAT TRANSFER
*T	(F108)	36279A		JULI	: ONE PAGE JULIAN CALENDAR	*T	(F514)	36635A		METRIC	: CONVERTS ENGLISH TO METRIC
*T	(F108)	36288A		CALNDR	: PRINTS A CALENDAR	T	(A515)	36109A		HEMDES	: RECOMMENDS CORRECT STEEL BEAM USE
T	(A110)	36006A		FILMAN	: FILE MANAGER	T	(A516)	36059A		DEHYE	: COMPUTES DEHYE OR EINSTEIN FUNCTION
T	(A110)	36007A		FILIN	: KEYBOARD FILE LOADING PROGRAM	T	(A519)	36063A		TMFCEV	: TIME FUNCTION EVALUATOR
T	(A110)	36008C		FILDUM	: PAPER TAPE FILE DUMP	T	(A603)	36171H		CPATH	: CRITICAL PATH EVALUATION
T	(A110)	36009C		FILIST	: LISTS FILE CONTENTS BY RECORD NUMBER	S	(C603)	36504A		CPATH	: CRITICAL PATH ANALYSIS
T	(A110)	36010C		FILOAD	: LOADS A FILE FROM THE TELETYPE	S	(C603)	36505A		GCPM1	: CRITICAL PATH ANALYSIS
T	(A110)	36011A		FILREA	: REENTERS THE DATA TAPE DUMPED BY FILDUM	S	(C604)	36529A		GNETFL	: NETWORK FLOW
T	(A110)	36012B		FILCOY	: COPIES ONE FILE INTO ANOTHER	T	(A605)	36088B		LINPRG	: LINEAR PROGRAMMING MODEL
T	(B110)	36221A		XTRACT	: FILE UTILITY PROGRAM	T	(A605)	36230A		TRANSP	: TRANSPORTATION PROBLEM
T	(B110)	36221A		TAPDUM	: FILE UTILITY PROGRAM	S	(C605)	36512A		GINTLP	: LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO
*T	(F110)	36247A		FILRPT	: REPORTS FILE CONTENTS AND STRUCTURE	S	(C605)	36517A		6LP	: LINEAR PROGRAMMING
T	(C205)	36185A		TERTES	: TELETYPE-CRT DIAGNOSTIC	T	(A606)	36065C		GLPSA1	: LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD
T	(A211)	36116A		BASTES	: BASIC TEST PROGRAM	T	(C606)	36550A		DECSN	: TOP MANAGEMENT DECISION GAME
T	(C211)	36143C		XHEF	: BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T	(C606)	36552A		GVOTE	: COMMITTEE CHOICE ANALYSIS
*T	(F212)	36287A		DATA	: DUMPS FILE TO DATA STATEMENTS	T	(C607)	36552A		GSSS	: SMALL SYSTEMS SIMULATOR
T	(A217)	36013A		TESTY	: TESTS THE OPERATION OF A REMOTE TELETYPE	T	(A608)	36069A		LNTNHD	: LINEAR TREND FORECASTING
T	(A301)	36034A		SPHERE	: SOLVES SPHERICAL TRIANGLES	T	(A610)	36067A		DYNPRO	: DYNAMIC PROGRAMMING MODEL
T	(A301)	36035B		EUCLID	: COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	*T	(A706)	36213B		CTC4	: CTC PAYROLL PROGRAMS
T	(A301)	36036A		SQRS	: AN INTEGER AS THE SUM OF FOUR SQUARES	T	(A708)	36117A		REP	: DATA CENTER INVENTORY REPORT GENERATOR
T	(A301)	36037A		FACTOR	: FINDS PRIME FACTORS OF POSITIVE INTEGERS	T	(A708)	36117A		IN	: DATA CENTER INVENTORY REPORT GENERATOR
T	(B301)	36131A		CALCOM	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T	(A708)	36210B		CTC1	: CTC MANUFACTURING PARTS CONTROL
T	(B301)	36131A		CALPLT	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	(A708)	36211B		CTC2	: CTC INVENTORY CONTROL FOR FINISHED PRODUCTS
T	(A301)	36168A		CALC2	: THREE REGISTER CALCULATOR PROGRAM	*T	(F709)	36638A		CTC6	: CTC ACCOUNTS PAYABLE
T	(A302)	36015A		CALC	: EXTENDED PRECISION CALCULATOR	T	(A710)	36095A		SALES	: SALES COMMISSION REPORT
*T	(A302)	36016B		LRGNUM	: LARGE NUMBER ADDITION & MULTIPLICATION	T	(A711)	36214B		CTC5	: CTC ACCOUNTS RECEIVABLE
T	(A302)	36144A		EXTPRE	: 40-DIGIT PRECISION MATHEMATICS	T	(A712)	36074A		ANNUIT	: ANNUITY ANALYSIS
T	(A303)	36017A		FNCTS	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	(A712)	36075A		HALSHT	: PROFORMA INCOME STATEMENT AND BALANCE SHEET
T	(A303)	36018A		SQR(Z)	: COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	(A712)	36082A		DEPCOM	: DEPRECIATION METHOD COMPARISON
T	(A303)	36118A		CXARTH	: VECTOR ARITHMETIC	T	(A712)	36083A		EQUITY	: COST OF EQUITY CAPITAL
T	(A303)	36119A		CXEXP	: VECTOR EXPONENTIATION	T	(A712)	36089B		INSTMT	: INCOME STATEMENT
T	(A306)	36019A		HESSEL	: CALCULATES HESSEL FUNCTION OF FIRST KIND	T	(A712)	36090A		LENDER	: SIMPLE LOAN ANALYSIS
T	(S309)	36188A		POLY	: POLYNOMIAL APPROXIMATION	T	(A712)	36091A		LESSEE	: LEASE ANALYSIS AS DETERMINED BY THE LESSEE
T	(A309)	36246A		POLFT	: FITS LEAST-SQUARES POLYNOMIALS	T	(A712)	36093A		MKRUY	: MAKE-BUY DECISION ANALYSIS
T	(A310)	36021A		INTGRT	: COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	(A712)	36094A		MORGAG	: MORTGAGE ANALYSIS
*T	(A310)	36022B		ROMINT	: INTEGRATES A FUNCTION (ROMBERG METHOD)	T	(A712)	36142B		CSHFL	: CASH FLOW ANALYSIS
T	(A311)	36024A		ROOTER	: FINDS THE ROOTS OF POLYNOMIALS	T	(C712)	36194A		LEASIN	: LEASE INCOME
T	(A312)	36025A		CDETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	T	(C712)	36226A		LOAN	: LOAN AMORTIZATION
T	(B312)	36263A		DETER4	: DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	S	(C712)	36510A		GFNFAT	: FINANCIAL RATIOS
T	(A314)	36026A		SIMEQN	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	(C712)	36513A		GIRPPV	: INVESTMENT RETURN (CASH FLOW)
T	(A314)	36027A		CROUT1	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	(A713)	36076B		GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT
T	(A314)	36196A		SOLVIT	: SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	T	(A713)	36078B		BNDPRC	: BOND PRICE ANALYSIS
S	(C314)	36547A		GSIMEQ	: SIMULTANEOUS LINEAR EQUATIONS	T	(A713)	36079A		BNDSWH	: BOND SWITCH ANALYSIS
T	(A316)	36028A		CTRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	T	(A713)	36080A		BNDYLD	: BOND YIELD ANALYSIS
T	(A316)	36029A		RTCFFT	: REAL TO COMPLEX FAST FOURIER TRANSFORM	T	(A713)	36084A		BNKRSV	: BANK RESERVE CALCULATIONS
T	(A316)	36030A		GFFT	: GENERAL FAST FOURIER TRANSFORM	T	(A713)	36085A		CAPINV	: CAPITAL INVESTMENT ANALYSIS
T	(A317)	36031A		DERIV	: DERIVATIVE OF A FUNCTION AT A POINT	T	(A713)	36092A		EXDRSK	: EXTENDED RISK ANALYSIS
T	(A318)	36032A		DE-10R	: 1ST ORDER DIFFERENTIAL EQUATION	T	(A713)	36096A		EXSMO	: EXPONENTIAL SMOOTHING ON PRICE DATA
T	(A318)	36033A		DE-20R	: 2ND ORDER DIFFERENTIAL EQUATION	T	(A713)	36098A		MARKOW	: SECURITIES PORTFOLIO USING MARKOWITZ MODEL
T	(A401)	36170A		T-TEST	: TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	T	(A713)	36099A		STKINC	: STOCK MERGER INCENTIVE PROGRAM
T	(A404)	36023B		POLFIT	: FITS LEAST-SQUARES POLYNOMIALS	T	(A713)	36100A		STKRTN	: STOCK RETURNS REPORT
T	(A404)	36038C		CURFIT	: PERFORMS LEAST-SQUARES FIT	T	(A713)	36101A		STKSMO	: EXPONENTIAL SMOOTHING AS A STOCK GUIDE
T	(A404)	36054B		REGCOR	: REGRESSION/CORRELATION	T	(C713)	36179A		STKVAL	: STOCK VALUE & EVALUATION REPORT
T	(A404)	36178A		MULREG	: MULTIPLE REGRESSION/CORRELATION	S	(C713)	36503A		TRUIN1	: TRUE ANNUAL INTEREST RATE ANALYSIS
T	(A404)	36186A		MULTX	: LEAST-SQUARES FIT, MULTIPLE Y'S PER X	S	(C713)	36507A		DRIPB	: DISCOUNTED RETURN ON INVESTMENT AND PAYBACK
S	(C404)	36542A		GR6PLT	: SIMPLE REGRESSION AND PLOT	S	(C713)	36508A		GCHLIN	: RATING INVESTMENT FUNDS
T	(A405)	36050B		RANDEV	: GENERATES RANDOM DEVIATES-SUBROUTINE					GDAPI	: ABNORMAL PERFORMANCE INDEX
T	(A405)	36203A		RANDOM	: RANDOM NUMBER GENERATOR					GDDA	: EFFICIENT 'CORNER' PORTFOLIOS
T	(B405)	36264A		RNDORD	: PLACING INTEGERS IN RANDOM ORDER						

CLASSIFICATION CODE LISTING

S (C713)	36514A	GKASSF	: WARRANT PRICE CALCULATION	E (H833)	36261A	ISOMER	: DRILL ON NAMING ALKANES
S (C713)	36515A	GKCCST	: PRICE/EARNINGS RATIO CALCULATION	E (H833)	36266A	IONIC1	: DRILL ON FORMULAS OF IONIC COMPOUNDS
S (C713)	36530A	GMRVVB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	E (H833)	36267A	ELMENT	: DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS
S (C713)	36530A	GMRGB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	*E (F833)	36295A	CHEM	: SELF-CORRECTING CHEMISTRY TEST
S (C713)	36545A	GSTKVL	: STOCK VALUATION	H (S833)	36300A	OROS	: GENETIC CHARACTERISTICS
S (C713)	36553A	GTHOR	: SECURITIES EPS GROWTH	H (S833)	36301A	EVOLU	: NATURAL SELECTION EXPERIMENT
S (C713)	36554A	GVPGGT	: PLOTTING DATA	H (S833)	36302A	GAMGN	: PROCESS OF GAMETOGENESIS
S (C713)	36554A	VPDU	: PLOTTING DATA	H (S833)	36303A	NZYM	: ENZYMIC REACTION RATES
S (C713)	36557A	VRRC	: INVESTMENT STRATEGY ANALYSIS	H (S833)	36304A	NZYM2	: ENZYME REACTION RATE
T (A714)	36086A	GNPSUM	: GROSS NATIONAL PRODUCT SUMMARY	H (S833)	36305A	PHOSYN	: PHOTOSYNTHESIS EXPERIMENT
T (A714)	36087A	INACTN	: NATIONAL INCOME & PRODUCT ACCOUNTS	H (S833)	36306A	DECAY1	: RADIOACTIVE DECAY GAME
T (A714)	36088A	IN/OUT	: INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	H (S833)	36307A	DECAY2	: NUCLEAR DECAY
T (A716)	36073A	BUDGET	: DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	H (S833)	36308A	EQUIL1	: EQUILIBRIUM SYSTEMS
T (A716)	36111A	EXPEND	: BUDGET EXPENDITURES VS. TARGETS MONITOR	H (S833)	36308A	EQUIL2	: EQUILIBRIUM SYSTEMS
T (A717)	36113B	RECRUT	: RECRUITING INFORMATION SYSTEM	H (S833)	36309A	KINET	: KINETIC REACTION
T (A717)	36212B	CTC3	: CTC PROJECTION PROGRAMS	H (A833)	36310A	MASSD	: MASS DEFECT
T (C71A)	36164H	IATA-1	: CALCULATE AIR FREIGHT RATES	H (S833)	36311A	PRCNT	: PERCENT COMPOSITION
T (C71B)	36174A	TRCK-1	: CALCULATE TRUCK FREIGHT RATES	H (S833)	36312A	HFIELD	: MAGNETIC FIELD PICTURE
T (C71B)	36241A	IATA-C	: CALCULATES BREAKPOINT OF IATA CONTAINERS	H (S833)	36313A	HOHR	: ENERGY LEVEL DIAGRAM
T (A720)	36072A	SALSIM	: SALARY SCHEDULE COST SIMULATOR	H (S833)	36314A	CALORI	: CALORIMETRY EXPERIMENT
E (C720)	36202A	ATTNO	: ABSENTEE LISTING	H (S833)	36315A	KINERV	: REVIEW OF KINEMATICS
*T (F720)	36282A	COLMEG	: COLLEGE REGISTRATION DEMO	H (S833)	36316A	NEWTN2	: NEWTON'S 2ND LAW
H (S720)	36340A	AVERG1	: AVERAGES AND CURVES GRADES	H (S833)	36317A	PHOTEL	: PHOTOELECTRIC EFFECT
H (S720)	36341A	FREG	: BAR GRAPHS OF GRADES	H (S833)	36318A	PHOTON	: ENERGY LEVEL PROBLEM
H (S720)	36342A	GRADE	: TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H (S833)	36319A	REFLCT	: LEAST TIME PRINCIPLE AND LIGHT
H (S720)	36343A	ITEM	: NUMBER FREQUENCIES	H (S833)	36320A	SNELL	: SNELL'S LAW
H (S720)	36344A	STAT	: STATISTICAL ANALYSIS OF LAB DATA	H (S833)	36321A	SPACE	: SPACECRAFT ORBITS
T (C720)	36518A	GMARKS	: GSR GRADING PROGRAM	H (S833)	36322A	VFIELD	: POTENTIAL FIELD PICTURE
T (C720)	36518A	GEDIT	: GSR GRADING PROGRAM	H (S833)	36323A	VLOCY	: INSTANTANEOUS VELOCITY
E (C800)	24241B	ID	: INSTRUCTIONAL DIALOGUE FACILITY	H (S833)	36324B	WAVES	: SUM OF TWO WAVES
E (C800)	24242B	EAE	: CAI EXECUTIVE PACKAGE	H (S833)	36325A	CLOUDS	: CLOUD FORMATION
E (A800)	24244A	SURTH	: CAI SURTHERS	H (S833)	36326A	WATER1	: WATER BUDGET PROBLEM CHECK
E (A800)	20879B	MATHA	: CAI MATH PACKAGE (2000B VERSION)	H (S833)	36327A	WATER2	: WATER BUDGET
E (C800)	24243B	MATHC	: CAI MATH PACKAGE (2000C VERSION)	H (S833)	36350A	PLANK	: A PHOTOELECTRIC SIMULATION
E (A800)	36128A	TENS	: DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	H (A833)	36351A	SLITS	: YOUNG'S DOUBLE SLIT EXPERIMENT
E (H800)	36129A	DRILL	: BASIC ARITHMETIC DRILL	E (S833)	36353A	AF LIFE	: JOHN CONWAY'S GAME OF LIFE
E (H800)	36130A	TWOES	: MATHEMATICAL GAME OF TWENTY QUESTIONS	*E (F833)	36603A	ALEMA	: PROPAGATION OF ERROR
E (A800)	36133A	WKSHT	: GENERATES MATH WORKSHEETS	H (A833)	36611A	MEMBR	: DIFFUSION EXPERIMENT
E (A800)	36159A	DIFFEQ	: CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	H (A833)	36613A	ATW	: CALCULATES ATOMIC WEIGHT
E (A800)	36182A	SAT	: TRIGONOMETRIC SOLUTIONS OF TRIANGLES	H (A833)	36614A	AVGGA	: AVOGADRA'S NUMBER
E (A800)	36205A	CADA11	: COMPUTER ASSISTED ARITHMETIC DRILL	H (A833)	36615A	EMPIR	: CALCULATES EMPIRICAL FORMULAS
E (A800)	36205A	CADA1M	: COMPUTER ASSISTED ARITHMETIC DRILL	H (A833)	36616A	MOLAR	: ACID-BASE TITRATION
E (A800)	36205A	CADA1P	: COMPUTER ASSISTED ARITHMETIC DRILL	H (A833)	36617A	PHPOH	: PH, POH, PCT, DISSOCIATION
E (A800)	36227A	FACTRL	: FACTORIALS TO 1000 PLACES	H (A833)	36618A	STOICH	: MASS VOLUME
E (C800)	36237A	TRIFAC	: FACTORING QUADRATIC TRINOMIALS	H (A833)	36629A	EFIELD	: ELECTRIC FIELD STRENGTH
E (C800)	36238A	SIPHAC	: PRACTICE WITH SIGNED NUMBERS	H (A833)	36630A	LENSES	: SOLVES LENS PROBLEMS
E (C800)	36239A	POLSUB	: POLYNOMIAL SUBTRACTION	H (A833)	36631A	PFJTL	: PROJECTILE MOTION
E (C800)	36240A	HISUAR	: SQUARE ROOTS	H (F833)	36639A	POLUT	: WATER POLLUTION SIMULATION
E (H800)	36251A	LOGIC	: LOGIC EXAMINATION PROGRAMS	*H (F833)	36641A	STERL	: FLY POPULATION CONTROL
E (C800)	36253A	EXTEND	: INFINITE PRECISION MATH UTILITY PROGRAM	E (F833)	36642A	GENE1	: GENETICS SIMULATION
E (H800)	36262A	CXSYSS	: SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E (H850)	36276A	MUSIC2	: IRIAD SOLVING PROGRAM
E (A800)	36265A	GAME	: CLASSIC MATRIX OF GAME THEORY	E (H860)	36187A	WHEELS	: AUTO PURCHASE AND MAINTENANCE SYSTEM
E (C800)	36277A	DIMIS	: X-Y AXIS SEGMENT PROGRAM	H (S860)	36328A	BALANC	: TRADE AND PAYMENT BALANCES
*E (A800)	36278A	SYSSOL	: SOLVING SYSTEMS OF LINEAR EQUATIONS	H (S860)	36329A	BANK	: SOLVES FINANCIAL PROBLEMS
H (S800)	36333A	CRVLEN	: COMPUTES LENGTH OF ANY CURVE	H (S860)	36330A	CONSPM	: DEPRESSION/EQUILIBRIUM
H (S800)	36336A	RATIO	: SOLVES PROPORTIONS	H (S860)	36331A	STOCK	: STOCK MARKET SIMULATION
H (S800)	36337A	SETS	: UNION AND INTERSECTION OF SETS	*E (F860)	36604A	CHARGE	: CHARGE ACCOUNT SIMULATION
H (S800)	36338A	SURFAC	: AREA OF SURFACE OF REVOLUTION	H (F860)	36640A	POLYS	: SIMULATION OF CITY COUNCIL
H (S800)	36339A	VOLSOL	: VOLUME OF SOLID OF REVOLUTION	E (C871)	36175A	CARLOS	: COMPUTE-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II
E (S800)	36360A	HAGELS	: THREE-DIGIT NUMBER GUESSING	E (A880)	36002B	SETUP	: MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*E (F800)	36602A	TRUTH	: TRUTH TABLES FOR BOOLEAN EXPRESSIONS	E (A880)	36002B	MANAG	: MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*H (A800)	36620A	CVAHEA	: AREA UNDER CURVE	E (A880)	36002B	RITE	: MANAGEMENT SIMULATION GAME FOR THE HP 2000A
*H (A800)	36622A	LIMSIN	: LIMIT OF (SIN X)/X	E (H880)	36193A	SETUPB	: MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A800)	36623A	PI	: CALCULATES PI	E (H880)	36193A	MANAGB	: MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A800)	36625A	ROOTS2	: QUADRATIC EQUATION SOLVER	E (H880)	36193A	MANAGU	: MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A800)	36626A	SLOPE	: FINDS DERIVATIVES	E (A880)	36193A	RITE1	: MANAGEMENT SIMULATION GAME FOR THE 2000B
*H (A800)	36627A	SQRT	: FINDS SQUARE ROOT	E (C880)	36199A	MRKSIM	: MARKETING SIMULATION
*H (A800)	36628A	STATAL	: ARITHMETIC MEAN	E (C880)	36209A	SETUPC	: MANAGEMENT SIMULATION GAME FOR THE 2000C
E (A810)	36014A	STOP	: TIES MATH CALCULATOR PACKAGE	E (C880)	36209A	MANAGC	: MANAGEMENT SIMULATION GAME FOR THE 2000C
E (A810)	36139A	TUTOR	: TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	E (C880)	36233A	LAHOR	: LAHOP/MANAGEMENT BARGAINING
E (A810)	36208A	STOPB	: MATH CALCULATOR PACKAGE	S (C880)	36502A	GSPMG	: STANFORD PORTFOLIO MANAGEMENT GAME
E (C810)	36219A	BRAIN	: BRAIN SIMULATOR PROGRAM	T (A901)	36110A	CANNON	: HP 7200A GAME DEMO FOR TIME-SHARED BASIC
E (C810)	36254A	EXPRES	: EXPRESSION SOLVING PROGRAM	T (A901)	36169A	FIFTY!	: EXTENDED PRECISION FACTORIAL
H (S810)	36334B	PLOTTR	: FUNCTION PLOTTER	T (A903)	36102A	GOLF	: A GOLF GAME
H (S810)	36335A	QUADT	: NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	T (A903)	36103A	BLJACK	: GAME OF TWENTY-ONE
E (A820)	36148A	EXPNTL	: CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	T (A903)	36105A	BATNUM	: PLAYS THE BATTLE OF NUMBERS GAME
E (A820)	36149A	SOLVER	: SOLVES COMPLEX SIMULTANEOUS EQUATIONS	T (A903)	36106A	QUBIC	: PLAYS 3-DIMENSIONAL TIC-TAC-TOE
E (A820)	36150A	NET-3	: COMPLEX NUMBER OPERATIONS	T (A903)	36107A	SLOT	: SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)
E (A820)	36152A	AC-1	: COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	T (A903)	36108A	SNOOPY	: DRAWS SNOOPY ON THE TELEPRINTER
E (A820)	36153A	COMPLX	: CAI IN ALGEBRA OF COMPLEX NUMBERS	T (A903)	36138A	LIFE	: A GAME OF CELLULAR GENERATION GROWTH
E (A820)	36154A	INDMTR	: ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	T (A903)	36181A	FTBL	: FOOTBALL
E (A820)	36155A	POLAR	: PLOTS SINGLE VARIABLE IN POLAR FORM	T (A903)	36236A	BATTLE	: BATTLESHIP GAME
E (A820)	36156A	DVDRS	: CAI IN VOLTAGE AND CURRENT DIVIDERS	T (C903)	36243A	STTRI	: STAR TRPK
E (A820)	36157A	UNITS	: CAI IN INTERPRETATION OF EE UNITS	T (A903)	36244A	KENO	: \$25,000.00 KENO GAME
E (A820)	36158A	RNET	: NETWORK SIMULTANEOUS EQUATIONS	*T (A903)	36601A	DRAG	: SIMULATES A DRAG RACE
E (A820)	36166A	DFTERM	: MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	T (A904)	36104A	PLOT	: PLOTS A GIVEN FUNCTION ON THE TELETYPE
E (A820)	36167A	JACOBI	: EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	T (A904)	36112A	FPLT	: FUNCTION PLOT
S (C830)	36519A	GMCRO1	: FISCAL POLICY GAME	T (A904)	36114A	TITLE	: CHARACTER GENERATION
S (C830)	36519A	GMCRO2	: FISCAL POLICY GAME	T (A904)	36115A	GRAPHS	: DEMO PLOT PROGRAM FOR HP 7200 PLOTTER
S (C830)	36521A	GMCRO6	: ECONOMIC POLICY GAME	T (A904)	36165A	FGRAPH	: SIMULTANEOUS FUNCTION GRAPHER
S (C830)	36521A	GMCRO5	: ECONOMIC POLICY GAME	T (A904)	36228A	PLOTWD	: WORD PLOTTER
*H (A830)	36632A	CIRFLW	: CIRCULAR FLOW MODEL	T (C904)	36235A	HISS	: SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS
E (A833)	36121A	ORBIT	: INTEGRATES EQUATIONS OF MOTION	*T (F904)	36299A	PRINT	: GENERATES LARGE LETTERS
E (A833)	36134A	H-LIFE	: HALF LIFE SIMULATION	S (C904)	36555A	VCHART	: INVESTMENT DECISIONS USING TEKTRONIX 4010
E (A833)	36184A	SPECTRA	: OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	S (C904)	36556A	VREGPL	: PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010
E (H833)	36260A	IONIC	: DRILL ON FORMULAS AND CHARGES OF IONS	S (C904)	36558A	VSUR	: DISPLAY ROUTINE USING TEKTRONIX 4010
				T (C904)	36559A	VTTT	: TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

CROSS REFERENCE INDEX

	Volume	System	Specification	Code	Order	Price	Code	Order	Price
ACCOUNTS PAYABLE (709)									
CTC6	:	CTC ACCOUNTS PAYABLE		*T	F709	36638A			
ACCOUNTS RECEIVABLE (711)									
CTC5	:	CTC ACCOUNTS RECEIVABLE		T	A711	36214B			
ALGEBRA									
COMPLX	:	CAI IN ALGEBRA OF COMPLEX NUMBERS		E	A820	36153A			
ALPHA									
STGSRT	:	SORTS STRINGS FROM FILES		T	C107	36145A			
ALPHA	:	ALPHANUMERIC SORT		*T	A107	36292A			
ANALYSIS OF VARIANCE AND COVARIANCE (410)									
ANVAR1	:	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN		T	A410	36039B			
ANVAR2	:	ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)		T	A410	36040B			
ANVAR3	:	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN		T	A410	36172A			
ANVAR4	:	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT		T	A410	36173A			
ANOVA3	:	THREE FACTORIAL ANALYSIS OF VARIANCE		*T	F410	36271A			
ANCOV	:	ANALYSIS OF COVARIANCE		*T	A410	36294A			
ANOVA	:	ANALYSIS OF VARIANCE (2-WAY)		S	C410	36501A			
STAT19	:	KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE		*T	F410	36607A			
ARITHMETIC									
RATIO	:	SOLVES PROPORTIONS		H	S801	36336A			
SETS	:	UNION AND INTERSECTION OF SETS		H	S801	36337A			
STATAL	:	ARITHMETIC MEAN		*H	A801	36628A			
ASCII									
ASCII*	:	CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS		*T	C104	36256B			
-ASCII	:	ASCII CODE GENERATOR		T	C104	36257A			
SORT	:	FILE SERIAL STRING SORT		T	C107	36122A			
ALPHA	:	ALPHANUMERIC SORT		*T	A107	36292A			
ASTRONOMY AND CELESTIAL NAVIGATION (509)									
SUNSET	:	SUNRISE-SUNSET PREDICTOR		T	S509	36180A			
BASIC									
BASTES	:	BASIC TEST PROGRAM		T	A211	36116A			
XREF	:	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR		T	C211	36143C			
TUTOR	:	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25		E	A810	36139A			
HPLOTB	:	AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B		T	B90A	72050A			
BESSEL FUNCTION									
BESSEL	:	CALCULATES BESSEL FUNCTION OF FIRST KIND		T	A306	36019A			
BIOLOGY (508)									
DR05	:	GENETIC CHARACTERISTICS		H	S833	36300A			
GAMGN	:	PROCESS OF GAMETOGENESIS		H	S833	36302A			
NZYMC	:	ENZYMATIC REACTION RATES		H	S833	36303A			
NZYM2	:	ENZYME REACTION RATE		H	S833	36304A			
PHOSYN	:	PHOTOSYNTHESIS EXPERIMENT		H	S833	36305A			
DECAY1	:	RADIOACTIVE DECAY GAME		H	S833	36306A			
DECAY2	:	NUCLEAR DECAY		H	S833	36307A			
AFLIFE	:	JOHN CONWAY'S GAME OF LIFE		E	S833	36353A			
MEMBR	:	DIFFUSION EXPERIMENT		*H	A833	36611A			
LIFE	:	A GAME OF CELLULAR GENERATION GROWTH		T	A903	36138A			
BOOLEAN ALGEBRA (305)									
TRUTH	:	TRUTH TABLES FOR BOOLEAN EXPRESSIONS		*E	F801	36602A			
BUDGETING PROGRAMS (716)									
BALSHT	:	PROFORMA INCOME STATEMENT AND BALANCE SHEET		T	A712	36075A			
CAPINV	:	CAPITAL INVESTMENT ANALYSIS		T	A713	36080A			
BUDGET	:	DEPARTMENTAL MANAGER'S BUDGETING PROGRAM		T	A716	36073A			
EXPEND	:	BUDGET EXPENDITURES VS. TARGETS MONITOR		T	A716	36111A			
CTC3	:	CTC PROJECTION PROGRAMS		*T	A717	36212B			
BUSINESS (EDUCATION) (880)									
GWBULL	:	SUBJECTIVE PROBABILITY - RANDOM VALUES		S	C405	36551A			
GTASPD	:	SUBJECTIVE PROBABILITY DISTRIBUTION		S	C406	36549A			
GRANK	:	RANKING STATISTICS		S	C408	36541A			
GANOVA	:	ANALYSIS OF VARIANCE (2-WAY)		S	C410	36501A			
GNETFL	:	NETWORK FLOW		S	C604	36529A			
TRANSP	:	TRANSPORTATION PROBLEM		T	A605	36230A			
DECNS	:	TOP MANAGEMENT DECISION GAME		T	A606	36065C			
GVOTE	:	COMMITTEE CHOICE ANALYSIS		S	C606	36550A			
GSS5	:	SMALL SYSTEMS SIMULATOR		S	C607	36552A			
CSHFL	:	CASH FLOW ANALYSIS		T	A712	36142B			
LEASIN : LEASE INCOME									
GFNRAT	:	FINANCIAL RATIOS		S	C712	36194A			
GIRRPV	:	INVESTMENT RETURN (CASH FLOW)		S	C712	36510A			
GRISKA	:	RISK ANALYSIS IN CAPITAL INVESTMENT		S	C712	36513A			
GCHLIN	:	RATING INVESTMENT FUNDS		S	C712	36503A			
GDAPI	:	ABNORMAL PERFORMANCE INDEX		S	C713	36507A			
GDPA	:	EFFICIENT 'CORNER' PORTFOLIOS		S	C713	36508A			
GKASSF	:	WARRANT PRICE CALCULATION		S	C713	36514A			
GKCCST	:	PRICE/EARNINGS RATIO CALCULATION		S	C713	36515A			
GNMRVB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION		S	C713	36530A			
GMRGB	:	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION		S	C713	36530A			
GSTKVL	:	STOCK VALUATION		S	C713	36545A			
GTHOR	:	SECURITIES EPS GROWTH		S	C713	36553A			
VRRC	:	INVESTMENT STRATEGY ANALYSIS		S	C713	36557A			
GMCR01	:	FISCAL POLICY GAME		S	C830	36519A			
GMCR02	:	FISCAL POLICY GAME		S	C830	36519A			
GMCR06	:	ECONOMIC POLICY GAME		S	C830	36521A			
GMCR05	:	ECONOMIC POLICY GAME		S	C830	36521A			
CIRFLW	:	CIRCULAR FLOW MODEL		*H	A830	36632A			
WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM		E	B860	36187A			
CHARGE	:	CHARGE ACCOUNT SIMULATION		*E	F860	36604A			
SETUP	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A		E	A880	36002B			
MANAG	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A		E	A880	36002B			
RITE	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A		E	A880	36002B			
SETUPB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
MANAGB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
MANAGU	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
RITET	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
MRKSIM	:	MARKETING SIMULATION		E	A880	36199A			
SETUPC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C		E	C880	36209A			
MANAGC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C		E	C880	36209A			
LABOR	:	LABOR/MANAGEMENT BARGAINING		E	A880	36233A			
GSPMG	:	STANFORD PORTFOLIO MANAGEMENT GAME		S	C880	36502A			
BUSINESS INFORMATION SYSTEMS (717)									
RECRUT	:	RECRUITING INFORMATION SYSTEM		T	A717	36113B			
CTC3	:	CTC PROJECTION PROGRAMS		*T	A717	36212B			
SETUP	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A		E	A880	36002B			
MANAG	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A		E	A880	36002B			
RITE	:	MANAGEMENT SIMULATION GAME FOR THE HP 2000A		E	A880	36002B			
SETUPB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
MANAGB	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
MANAGU	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
RITET	:	MANAGEMENT SIMULATION GAME FOR THE 2000B		E	B880	36193A			
SETUPC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C		E	C880	36209A			
MANAGC	:	MANAGEMENT SIMULATION GAME FOR THE 2000C		E	C880	36209A			
BUSINESS SERVICES (718)									
LOGRAM	:	LOG-ON TAPE ANALYZER		T	A408	36001A			
IATA-1	:	CALCULATE AIR FREIGHT RATES		T	C718	36164B			
TRCK-1	:	CALCULATE TRUCK FREIGHT RATES		T	C718	36174A			
IATA-C	:	CALCULATES BREAKPOINT OF IATA CONTAINERS		T	C718	36241A			
CAI									
IDF	:	INSTRUCTIONAL DIALOGUE FACILITY		E	C800	24241B			
EXDC	:	CAI EXECUTIVE PACKAGE		E	C800	24242B			
SUBRTN	:	CAI SUBROUTINES		E	A800	24244A			
MATHB	:	CAI MATH PACKAGE (2000B VERSION)		E	A601	20879B			
MATHC	:	CAI MATH PACKAGE (2000C VERSION)		E	C501	24663B			
CADA11	:	COMPUTER ASSISTED ARITHMETIC DRILL		E	A601	36205A			
CADA1M	:	COMPUTER ASSISTED ARITHMETIC DRILL		E	A601	36205A			
CADA1P	:	COMPUTER ASSISTED ARITHMETIC DRILL		E	A601	36205A			
CARLOS	:	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II		E	C871	36175A			
CALCULATOR									
CALCOM	:	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)		T	B301	36131A			
CALPLT	:	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)		T	B301	36131A			
CALC2	:	THREE REGISTER CALCULATOR PROGRAM		T	A301	36168A			
CALC	:	EXTENDED PRECISION CALCULATOR		T	A302	36015A			
STOP	:	TIES MATH CALCULATOR PACKAGE		E	A810	36014A			
CASSETTE									
CDETER	:	COMPUTES VALUE OF COMPLEX DETERMINANT		T	A312	36025A			
CHARACTER/SYMBOL MANIPULATION (104)									
FORMAT	:	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT		T	A104	36005B			
DATES	:	COMPUTES DATE FROM SYSTEM CLOCK		T	B104	36117A			
HELLO	:	TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL		T	B104	36125B			
STG1MT	:	STRING-INTEGER CONVERSIONS		T	A104	36176A			
CHAR5	:	ASCII CHARACTER SET		T	C104	36220A			
ASCII*	:	CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS		*T	C104	36256B			
-ASCII	:	ASCII CODE GENERATOR		T	C104	36257A			
KEYS1G	:	GIVES MAJOR SCALES		T	A104	36258A			

* Indicates NEW or REVISED since February 1973

Stripe indicates SUPPORTED program

CROSS REFERENCE INDEX

	Library	System	Identification	Class	Order	Order	Order
	Code	Code	Code	Code	No.	No.	No.
MUSICS							
MUSICS	:	FINDS DOMINANT SEVENTHS	T	A104	36259A		
ALFTOV	:	ALPHA TO VARIABLE CONVERSION	*T	F104	36296A		
TIMER	:	TIME OF THE DAY	*T	F104	36297A		
DATER	:	DATE AND DAY OF THE WEEK	*T	F104	36298A		
GTAPID	:	PAPER TAPE TITLER	T	C104	36548A		
JULI	:	ONE PAGE JULIAN CALENDAR	*T	F108	36279A		
CALNDR	:	PRINTS A CALENDAR	*T	F108	36288A		
TITLE	:	CHARACTER GENERATION	T	A904	36114A		
PRINT	:	GENERATES LARGE LETTERS	*T	F904	36299A		
CHEMICAL ENGINEERING (516)							
DEBYE	:	COMPUTES DEBYE OR EINSTEIN FUNCTION	T	A516	36059A		
CHEMISTRY (507)							
H-LIFE	:	HALF LIFE SIMULATION	E	A833	36134A		
SPCTRA	:	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	E	A833	36184A		
PHOSYN	:	PHOTOSYNTHESIS EXPERIMENT	H	S833	36305A		
DECAY1	:	RADIOACTIVE DECAY GAME	H	S833	36306A		
DECAY2	:	NUCLEAR DECAY	H	S833	36307A		
EQUIL1	:	EQUILIBRIUM SYSTEMS	H	S833	36308A		
EQUIL2	:	EQUILIBRIUM SYSTEMS	H	S833	36308A		
KINET	:	KINETIC REACTION	H	S833	36309A		
MASSD	:	MASS DEFECT	H	A833	36310A		
PRCNT	:	PERCENT COMPOSITION	H	S833	36311A		
CALORI	:	CALORIMETRY EXPERIMENT	H	S833	36314A		
ATWT	:	CALCULATES ATOMIC WEIGHT	*H	A833	36613A		
AVOGA	:	AVOGADRA'S NUMBER	*H	A833	36614A		
EMPIR	:	CALCULATES EMPIRICAL FORMULAS	*H	A833	36615A		
MOLAR	:	ACID-BASE TITRATION	*H	A833	36616A		
PHPOH	:	PH, POH, PCT, DISSOCIATION	*H	A833	36617A		
STOICH	:	MASS VOLUME	*H	A833	36618A		
CIVIL ENGINEERING (515)							
BEMDES	:	RECOMMENDS CORRECT STEEL BEAM USE	T	A515	36109A		
CODE/RADIX CONVERSION (105)							
STGINT	:	STRING-INTEGGER CONVERSIONS	T	A104	36176A		
ALFTOV	:	ALPHA TO VARIABLE CONVERSION	*T	F104	36296A		
COMPLEX							
FNCTS	:	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303	36017A		
SQR(Z)	:	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303	36018A		
CDETER	:	COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312	36025A		
CTRFFT	:	COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316	36028A		
RTCFRT	:	REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316	36029A		
GFFT	:	GENERAL FAST FOURIER TRANSFORM	T	A316	36030A		
CXSYSS	:	SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E	B801	36262A		
ROOTS2	:	QUADRATIC EQUATION SOLVER	*H	A801	36625A		
COMPLEX ARITHMETIC (303)							
FNCTS	:	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303	36017A		
SQR(Z)	:	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303	36018A		
CXARTH	:	VECTOR ARITHMETIC	T	A303	36118A		
CXEXP	:	VECTOR EXPONENTIATION	T	A303	36119A		
SOLVER	:	SOLVES COMPLEX SIMULTANEOUS EQUATIONS	E	A820	36149A		
NET-3	:	COMPLEX NUMBER OPERATIONS	E	A820	36150A		
COMPLX	:	CAI IN ALGEBRA OF COMPLEX NUMBERS	E	A820	36153A		
CONTINUOUS SYSTEMS SIMULATION (607)							
GSSS	:	SMALL SYSTEMS SIMULATOR	S	C607	36552A		
CONVERSION							
STGINT	:	STRING-INTEGGER CONVERSIONS	T	A104	36176A		
COOLEY-TUKEY							
CTRFFT	:	COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316	36028A		
RTCFRT	:	REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316	36029A		
GFFT	:	GENERAL FAST FOURIER TRANSFORM	T	A316	36030A		
CORRELATION ANALYSIS (409)							
MULREG	:	MULTIPLE REGRESSION/CORRELATION	T	A404	36178A		
ANVARA	:	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO- WAY EXPERIMENT	T	A410	36173A		
CRITICAL PATH ANALYSIS (603)							
CPATH	:	CRITICAL PATH EVALUATION	T	A603	36171B		
GCPATH	:	CRITICAL PATH ANALYSIS	S	C603	36504A		
GCPMI	:	CRITICAL PATH ANALYSIS	S	C603	36505A		
CROSS REFERENCE							
XREF	:	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T	C211	36143C		
CURVE							
CVAREA	:	AREA UNDER CURVE	*H	A801	36620A		
CURVE FITTING (309)							
POLY	:	POLYNOMIAL APPROXIMATION	T	S309	36188A		
POLFTE	:	FITS LEAST-SQUARES POLYNOMIALS	T	A309	36246A		
CURFIT	:	PERFORMS LEAST-SQUARES FIT	T	A404	36038C		
DATA COMMUNICATIONS							
MESSAG	:	INTERTERMINAL COMMUNICATOR	*T	F102	36284A		
DATA HANDLING UTILITIES (108)							
DATES	:	COMPUTES DATE FROM SYSTEM CLOCK	T	B104	36117A		
HELLO	:	TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	T	B104	36125B		
TIMER	:	TIME OF THE DAY	*T	F104	36297A		
DATER	:	DATE AND DAY OF THE WEEK	*T	F104	36298A		
JULIAN	:	JULIAN CALENDAR FOR THE CURRENT YEAR	T	A108	36197A		
HPMLUT	:	LIST/DUMP HP ASSEMBLER FILES	T	A108	36218A		
HPMLIT	:	LIST/DUMP HP ASSEMBLER FILES	T	A108	36218A		
TALK	:	TIME SHARING SYSTEM COMMUNICATION	T	A108	36222A		
NEWSID	:	CREATES NEW USER NUMBERS	*T	F108	36248A		
FILIS	:	FILE LISTING PROGRAM/INSTRUCTIONS	T	C108	36272A		
FILISI	:	FILE LISTING PROGRAM/INSTRUCTIONS	T	C108	36272A		
JULI	:	ONE PAGE JULIAN CALENDAR	*T	F108	36279A		
CALNDR	:	PRINTS A CALENDAR	*T	F108	36288A		
FILMAN	:	FILE MANAGER	T	A110	36006A		
FILIN	:	KEYBOARD FILE LOADING PROGRAM	T	A110	36007A		
FILDUM	:	PAPER TAPE FILE DUMP	T	A110	36008C		
FILIST	:	LISTS FILE CONTENTS BY RECORD NUMBER	T	A110	36009C		
FILOAD	:	LOADS A FILE FROM THE TELETYPE	T	A110	36010C		
FILREA	:	REENTERS THE DATA TAPE DUMPED BY FILDUM	T	A110	36011A		
FILRPT	:	REPORTS FILE CONTENTS AND STRUCTURE	*T	F110	36247A		
DATA	:	DUMPS FILE TO DATA STATEMENTS	*T	F212	36287A		
DEBUGGING AIDS (211)							
BASTES	:	BASIC TEST PROGRAM	T	A211	36116A		
XREF	:	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	T	C211	36143C		
DEMONSTRATIONS (901)							
COLREG	:	COLLEGE REGISTRATION DEMO	*T	F720	36282A		
CANNON	:	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T	A901	36110A		
FIFTY!	:	EXTENDED PRECISION FACTORIAL	T	A901	36169A		
DETERMINANT							
CDETER	:	COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312	36025A		
DETERM	:	MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E	A820	36166A		
DEVIATION							
STATAL	:	ARITHMETIC MEAN	*H	A801	36628A		
DIAGNOSTICS (SEE SPECIFIC TYPE OF DIAGNOSTIC)							
DIFFERENTIAL							
DE-10R	:	1ST ORDER DIFFERENTIAL EQUATION	T	A318	36032A		
DE-20R	:	2ND ORDER DIFFERENTIAL EQUATION	T	A318	36033A		
SLOPE	:	FINDS DERIVATIVES	*H	A801	36626A		
DIGITAL VOLTAGE SOURCE (SEE VOLTAGE SOURCE)							
DISCRETE SYSTEMS SIMULATION (606)							
DECNS	:	TOP MANAGEMENT DECISION GAME	T	A606	36065C		
GVOTE	:	COMMITTEE CHOICE ANALYSIS	S	C606	36550A		
GSSS	:	SMALL SYSTEMS SIMULATOR	S	C607	36552A		
DRIVER (SEE I/O, AND/OR SPECIFIC PERIPHERAL TYPE)							
DRUM (SEE DISC/DRUM)							
DUMPING (207)							
HPMLUT	:	LIST/DUMP HP ASSEMBLER FILES	T	A108	36218A		
HPMLIT	:	LIST/DUMP HP ASSEMBLER FILES	T	A108	36218A		
FILMAN	:	FILE MANAGER	T	A110	36006A		
FILDUM	:	PAPER TAPE FILE DUMP	T	A110	36008C		
DATA	:	DUMPS FILE TO DATA STATEMENTS	*T	F212	36287A		
DUPLICATION (106)							
FLCOPY	:	COPIES ONE FILE INTO ANOTHER	T	A110	36012B		
DVM (SEE DIGITAL VOLTMETER)							
DYNAMIC PROGRAMMING (610)							
DYNPRO	:	DYNAMIC PROGRAMMING MODEL	T	A610	36067A		
ECONOMIC ANALYSIS (714)							
DECNS	:	TOP MANAGEMENT DECISION GAME	T	A606	36065C		
GNPSUM	:	GROSS NATIONAL PRODUCT SUMMARY	T	A714	36086A		
INACTN	:	NATIONAL INCOME & PRODUCT ACCOUNTS	T	A714	36087A		
IN/OUT	:	INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	T	A714	36088A		
GMCRO1	:	FISCAL POLICY GAME	S	C830	36519A		
GMCRO2	:	FISCAL POLICY GAME	S	C830	36519A		
GMCRO6	:	ECONOMIC POLICY GAME	S	C830	36521A		
GMCRO5	:	ECONOMIC POLICY GAME	S	C830	36521A		

CROSS REFERENCE INDEX



	Volume	System	Classification	Code	Order	No.
ECONOMICS (EDUCATION) (830)						
GNPSUM : GROSS NATIONAL PRODUCT SUMMARY	T	A714	36086A			
GMCR01 : FISCAL POLICY GAME	S	C830	36519A			
GMCR02 : FISCAL POLICY GAME	S	C830	36519A			
GMCR06 : ECONOMIC POLICY GAME	S	C830	36521A			
GMCR05 : ECONOMIC POLICY GAME	S	C830	36521A			
CIRFLW : CIRCULAR FLOW MODEL	*H	A830	36632A			
WHEELS : AUTO PURCHASE AND MAINTENANCE SYSTEM	E	B860	36187A			
BALANC : TRADE AND PAYMENT BALANCES	H	S860	36328A			
BANK : SOLVES FINANCIAL PROBLEMS	H	S860	36329A			
CONSNP : DEPRESSION/EQUILIBRIUM	H	S860	36330A			
STOCK : STOCK MARKET SIMULATION	H	S860	36331A			
CHARGE : CHARGE ACCOUNT SIMULATION	*E	F860	36604A			
LABOR : LABOR/MANAGEMENT BARGAINING	E	A880	36233A			
EDITING (101)						
MACRO : A TEXT AND FILE PROCESSING SYSTEM	T	A101	36003A			
TIDE : TEXT EDITOR FOR THE 2000C	T	C101	36200B			
TIDEX : SYMBOLIC FILE EDITOR	T	A101	36204A			
FINDIT : INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B			
FILMAN : FILE MANAGER	T	A110	36006A			
EDUCATIONAL ADMINISTRATION (720)						
SALSIM : SALARY SCHEDULE COST SIMULATOR	T	A720	36072A			
ATTEND : ABSENTEE LISTING	E	C720	36202A			
COLREG : COLLEGE REGISTRATION DEMO	*T	F720	36282A			
AVERGI : AVERAGES AND CURVES GRADES	H	S720	36340A			
FREQ : BAR GRAPHS OF GRADES	H	S720	36341A			
GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H	S720	36342A			
ITEM : NUMBER FREQUENCIES	H	S720	36343A			
STAT : STATISTICAL ANALYSIS OF LAB DATA	H	S720	36344A			
GMARKS : GSB GRADING PROGRAM	T	C720	36518A			
GMEDIT : GSB GRADING PROGRAM	T	C720	36518A			
EIGENVALUES AND EIGENVECTORS (313)						
JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E	A820	36167A			
ELECTRICAL ENGINEERING (513)						
ANALAD : CIRCUIT ANALYSIS	T	A513	36056A			
ACNODE : AC CIRCUIT ANALYSIS PROGRAM	T	A513	36057A			
LPFLTR : DESIGNS LOW-PASS FILTERS	T	A513	36060A			
MICRO : MICROWAVE PARAMETERS CONVERSION	T	A513	36062A			
MIXSPR : MIXER SPURIOUS RESPONSE PROGRAM	T	A513	36064A			
ACTFIL : ACTIVE FILTER DESIGN	*T	F513	36293A			
DEBYE : COMPUTES DEBYE OR EINSTEIN FUNCTION	T	A516	36059A			
TMFCEV : TIME FUNCTION EVALUATOR	T	A519	36063A			
SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS	E	A820	36149A			
NET-3 : COMPLEX NUMBER OPERATIONS	E	A820	36150A			
AC-1 : COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	E	A820	36152A			
INDMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	E	A820	36154A			
DVDRS : CAI IN VOLTAGE AND CURRENT DIVIDERS	E	A820	36156A			
UNITS : CAI IN INTERPRETATION OF EE UNITS	E	A820	36157A			
RNET : NETWORK SIMULTANEOUS EQUATIONS	E	A820	36158A			
EPFIELD : ELECTRIC FIELD STRENGTH	*H	A833	36629A			
ENGINEERING (EDUCATION) (820)						
SOLVIT : SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	T	A314	36196A			
LQVALV : COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	T	A511	36061A			
ANALAD : CIRCUIT ANALYSIS	T	A513	36056A			
ACNODE : AC CIRCUIT ANALYSIS PROGRAM	T	A513	36057A			
LPFLTR : DESIGNS LOW-PASS FILTERS	T	A513	36060A			
MICRO : MICROWAVE PARAMETERS CONVERSION	T	A513	36062A			
MIXSPR : MIXER SPURIOUS RESPONSE PROGRAM	T	A513	36064A			
HTXFR : TWO DIMENSIONAL HEAT TRANSFER	T	A514	36058A			
BEMDES : RECOMMENDS CORRECT STEEL BEAM USE	T	A515	36109A			
DEBYE : COMPUTES DEBYE OR EINSTEIN FUNCTION	T	A516	36059A			
TMFCEV : TIME FUNCTION EVALUATOR	T	A519	36063A			
GNETFL : NETWORK FLOW	S	C604	36529A			
GTHOR : SECURITIES EPS GROWTH	S	C713	36553A			
EXPNTL : CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	E	A820	36148A			
SOLVER : SOLVES COMPLEX SIMULTANEOUS EQUATIONS	E	A820	36149A			
NET-3 : COMPLEX NUMBER OPERATIONS	E	A820	36150A			
AC-1 : COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	E	A820	36152A			
COMPLX : CAI IN ALGEBRA OF COMPLEX NUMBERS	E	A820	36153A			
INDMTR : ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	E	A820	36154A			
POLAR : PLOTS SINGLE VARIABLE IN POLAR FORM	E	A820	36155A			
DVDRS : CAI IN VOLTAGE AND CURRENT DIVIDERS	E	A820	36156A			
UNITS : CAI IN INTERPRETATION OF EE UNITS	E	A820	36157A			
RNET : NETWORK SIMULTANEOUS EQUATIONS	E	A820	36158A			
DETERM : MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E	A820	36166A			
JACOBI : EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E	A820	36167A			
EUCLIDEAN						
EUCLID : COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A301	36035B			
EXPERIMENTAL DESIGN						
ANVAR1 : ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	T	A410	36039B			
ANVAR2 : ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	T	A410	36040B			
ANVAR3 : ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN	T	A410	36172A			
EXTENDED-PRECISION ARITHMETIC (302)						
CALC : EXTENDED PRECISION CALCULATOR	T	A302	36015A			
LRGNUM : LARGE NUMBER ADDITION & MULTIPLICATION	*T	A302	36016B			
EXTPRE : 40-DIGIT PRECISION MATHEMATICS	T	A302	36144A			
FACTRL : FACTORIALS TO 1000 PLACES	E	A801	36227A			
EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	E	C801	36253A			
FIFTY! : EXTENDED PRECISION FACTORIAL	T	A901	36169A			
FILE MANAGEMENT (110)						
MACRO : A TEXT AND FILE PROCESSING SYSTEM	T	A101	36003A			
TIDEX : SYMBOLIC FILE EDITOR	T	A101	36204A			
SLSMN : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A102	36004A			
FINDIT : INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B			
FILMAN : FILE MANAGER	T	A110	36006A			
FILIN : KEYBOARD FILE LOADING PROGRAM	T	A110	36007A			
FILDUM : PAPER TAPE FILE DUMP	T	A110	36008C			
FILIST : LISTS FILE CONTENTS BY RECORD NUMBER	T	A110	36009C			
FILEAD : LOADS A FILE FROM THE TELETYPE	T	A110	36010C			
FILREA : REENTERS THE DATA TAPE DUMPED BY FILDUM	T	A110	36011A			
FLCOPY : COPIES ONE FILE INTO ANOTHER	T	A110	36012B			
XTRACT : FILE UTILITY PROGRAM	T	B110	36221A			
TAPDUM : FILE UTILITY PROGRAM	T	B110	36221A			
FILRPT : REPORTS FILE CONTENTS AND STRUCTURE DATA	*T	F110	36247A			
						*T F212 36287A
FINANCIAL ANALYSIS (712)						
ANNUIT : ANNUITY ANALYSIS	T	A712	36074A			
BALSHT : PROFDRMA INCOME STATEMENT AND BALANCE SHEET	T	A712	36075A			
DEPCOM : DEPRECIATION METHOD COMPARISON	T	A712	36082A			
EQUITY : COST OF EQUITY CAPITAL	T	A712	36083A			
INSTMT : INCOME STATEMENT	T	A712	36089B			
LENDER : SIMPLE LOAN ANALYSIS	T	A712	36090A			
LESSEE : LEASE ANALYSIS AS DETERMINED BY THE LESSEE	T	A712	36091A			
MKBUY : MAKE-BUY DECISION ANALYSIS	T	A712	36093A			
MORGAG : MORTGAGE ANALYSIS	T	A712	36094B			
CSHFL : CASH FLOW ANALYSIS	T	A712	36142B			
LEASIN : LEASE INCOME	T	C712	36194A			
LOAN : LOAN AMORTIZATION	T	C712	36226A			
GFNRAT : FINANCIAL RATIOS	S	C712	36510A			
GIRRPV : INVESTMENT RETURN (CASH FLOW)	S	C712	36513A			
GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT	S	C712	36543A			
CAPINV : CAPITAL INVESTMENT ANALYSIS	T	A713	36080A			
EXDRSK : EXTENDED RISK ANALYSIS	T	A713	36084A			
TRUINT : TRUE ANNUAL INTEREST RATE ANALYSIS	T	A713	36101A			
CTC3 : CTC PROJECTION PROGRAMS	*T	A717	36212B			
SALSIM : SALARY SCHEDULE COST SIMULATOR	T	A720	36072A			
FINE ARTS (EDUCATION) (850)						
KEYSIG : GIVES MAJOR SCALES	T	A104	36258A			
MUSIC5 : FINDS DOMINANT SEVENTHS	T	A104	36259A			
MUSIC2 : TRIAD SOLVING PROGRAM	E	A850	36276A			
FORECASTING TECHNIQUES (608)						
SLSMN : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A102	36004A			
LNTRND : LINEAR TREND FORECASTING	T	A608	36069A			
EXSM00 : EXPONENTIAL SMOOTHING ON PRICE DATA	T	A713	36085A			
FOREIGN LANGUAGES (EDUCATION) (871)						
CARLOS : COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	E	C871	36175A			
FORMAT						
FORMAT : ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	T	A104	36005B			
FOURIER						
CTRFFT : COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A316	36028A			
RTCFFT : REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A316	36029A			
GFFT : GENERAL FAST FOURIER TRANSFORM	T	A316	36030A			
FUNCTIONS, COMPUTATION OF (306)						
BESSEL : CALCULATES BESSEL FUNCTION OF FIRST KIND	T	A306	36019A			
POLY : POLYNOMIAL APPROXIMATION	T	S309	36188A			
FGRAPH : SIMULTANEOUS FUNCTION GRAPHER	T	A904	36165A			
GAMES (903)						
TWQUES : MATHEMATICAL GAME OF TWENTY QUESTIONS	E	B801	36130A			
BAGELS : THREE-DIGIT NUMBER GUESSING	E	S801	36360A			
GMCR01 : FISCAL POLICY GAME	S	C830	36519A			
GMCR02 : FISCAL POLICY GAME	S	C830	36519A			
GMCR06 : ECONOMIC POLICY GAME	S	C830	36521A			
GMCR05 : ECONOMIC POLICY GAME	S	C830	36521A			
DECAY1 : RADIOACTIVE DECAY GAME	H	S833	36306A			
CHARGE : CHARGE ACCOUNT SIMULATION	*E	F860	36604A			

* Indicates NEW or REVISED since February 1973
 Stripe indicates SUPPORTED program

CROSS REFERENCE INDEX

		Manual System Specification Class	Order No.			Manual System Specification Class	Order No.
SETUP	MANGEMENT SIMULATION GAME FOR THE HP 2000A	E	A 880 36002B	INVESTMENT ANALYSIS (713)	ANNUIT	ANNUITY ANALYSIS	T A712 36074A
MANAG	MANGEMENT SIMULATION GAME FOR THE HP 2000A	E	A 880 36002B	EQUITY	COST OF EQUITY CAPITAL	T A712 36083A	
RITE	MANGEMENT SIMULATION GAME FOR THE HP 2000A	E	A 880 36002B	BNDPRC	BOND PRICE ANALYSIS	T A713 36076B	
SETUPB	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B 880 36193A	BNDSWH	BOND SWITCH ANALYSIS	T A713 36077A	
MANAGB	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B 880 36193A	BNDYLD	BOND YIELD ANALYSIS	T A713 36078B	
MANAGU	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B 880 36193A	BNKRSV	BANK RESERVE CALCULATIONS	T A713 36079A	
RITET	MANAGEMENT SIMULATION GAME FOR THE 2000B	E	B 880 36193A	CAPINV	CAPITAL INVESTMENT ANALYSIS	T A713 36080A	
MRKSIM	MARKETING SIMULATION	E	A 880 36199A	EXDRSK	EXTENDED RISK ANALYSIS	T A713 36084A	
SETUPC	MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C 880 36209A	EXSMO0	EXPONENTIAL SMOOTHING ON PRICE DATA	T A713 36085A	
MANAGC	MANAGEMENT SIMULATION GAME FOR THE 2000C	E	C 880 36209A	MARKOW	SECURITIES PORTFOLIO USING MARKOWITZ MODEL	T A713 36092A	
GSPMG	STANFORD PORTFOLIO MANAGEMENT GAME	S	C 880 36502A	STKINC	STOCK MERGER INCENTIVE PROGRAM	T A713 36096A	
GOLF	A GOLF GAME	T	A 903 36102A	STKRTR	STOCK RETURNS REPORT	T A713 36098A	
BLJACK	GAME OF TWENTY-ONE	T	A 903 36103A	STKSMO	EXPONENTIAL SMOOTHING AS A STOCK GUIDE	T A713 36099A	
BATNUM	PLAYS THE BATTLE OF NUMBERS GAME	T	A 903 36105A	STKVAL	STOCK VALUE & EVALUATION REPORT	T A713 36100A	
QUBIC	PLAYS 3-DIMENSIONAL TIC-TAC-TOE	T	A 903 36106A	TRUIN	TRUE ANNUAL INTEREST RATE ANALYSIS	T A713 36101A	
SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	T	A 903 36107A	DROIPIB	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	T C713 36179A	
SNOOPY	DRAWS SNOOPY ON THE TELEPRINTER	T	A 903 36108A	GCHLIN	RATING INVESTMENT FUNDS	S C713 36503A	
LIFE	A GAME OF CELLULAR GENERATION GROWTH	T	A 903 36138A	GDAP1	ABNORMAL PERFORMANCE INDEX	S C713 36507A	
FTBL	FOOTBALL	T	A 903 36181A	GDPA	EFFICIENT 'CORNER' PORTFOLIOS	S C713 36508A	
BATTLE	BATTLESHIP GAME	T	A 903 36236A	GKASSF	WARRANT PRICE CALCULATION	S C713 36514A	
STTRI	STAR TREK	T	C 903 36243A	GKCSOT	PRICE/EARNINGS RATIO CALCULATION	S C713 36515A	
KENO	\$25,000.00 KENO GAME	T	A 903 36244A	GMRVB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713 36530A	
DRAG	SIMULATES A DRAG RACE	*T	A 903 36601A	GMRGB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S C713 36530A	
GAUSSIAN				GSTKVL	STOCK VALUATION	S C713 36545A	
RANDEV	GENERATES RANDOM DEVIATES-SUBROUTINE	T	A 405 36050B	GTHOR	SECURITIES EPS GROWTH	S C713 36553A	
BINOPO	PROBABILITY DISTRIBUTION COMPARISONS	T	A 406 36041A	GVPDQT	PLOTTING DATA	S C713 36554A	
SYSSOL	SOLVING SYSTEMS OF LINEAR EQUATIONS	*E	C 801 36278A	VPDQ	PLOTTING DATA	S C713 36554A	
GEOLOGY (503)				VRRC	INVESTMENT STRATEGY ANALYSIS	S C713 36557A	
EVOLU	NATURAL SELECTION EXPERIMENT	H	S 833 36301A	GSPMG	STANFORD PORTFOLIO MANAGEMENT GAME	S C 880 36502A	
GRAPHIC DISPLAY				VCHART	INVESTMENT DECISIONS USING TEKTRONIX 4010	S C904 36555A	
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T	A 901 36110A	KEYBOARD			
FPLOT	FUNCTION PLOT	T	A 904 36112A	CALCOM	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T B301 36131A	
TITLE	CHARACTER GENERATION	T	A 904 36114A	CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T B301 36131A	
GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	T	A 904 36115A	CALC2	THREE REGISTER CALCULATOR PROGRAM	T A301 36168A	
HPLOTB	AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T	B 904 72050A	LABEL			
GRAPHIC EQUIPMENT TEST (205)				ADDRESS	ADDRESS LABELS	T A102 36231A	
TERTES	TELETYPE-CRT DIAGNOSTIC	T	C 205 36185A	LANGUAGE TRANSLATORS (SEE TRANSLATORS, LANGUAGE)			
HISTOGRAM				LEAST SQUARES			
LOGRAM	LOG-ON TAPE ANALYZER	T	A 408 36001A	POLFTE	FITS LEAST-SQUARES POLYNOMIALS	T A309 36246A	
HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS	T	A 408 36055B	POLFIT	FITS LEAST-SQUARES POLYNOMIALS	T A404 36023B	
HISS	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T	C 904 36235A	CURFIT	PERFORMS LEAST-SQUARES FIT	T A404 36038C	
HYDRAULIC ENGINEERING (511)				MULTX	LEAST-SQUARES FIT, MULTIPLE Y'S PER X	T A404 36186A	
LQALV	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	T	A 511 36061A	LINEAR			
INFORMATION STORAGE AND RETRIEVAL (102)				SIMEQN	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314 36026A	
MACRO	A TEXT AND FILE PROCESSING SYSTEM	T	A 101 36003A	CROUTI	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T A314 36027A	
TIDE	TEXT EDITOR FOR THE 2000C	T	C 101 36200B	GSIMEQ	SIMULTANEOUS LINEAR EQUATIONS	S C314 36547A	
SLSMN	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	T	A 102 36004A	REGCOR	REGRESSION/CORRELATION	T A404 36054B	
ADDRESS	ADDRESS LABELS	T	A 102 36231A	LINEAR PROGRAMMING (605)			
FINDIT	INFORMATION RETRIEVAL SYSTEM	*T	C 102 36250A	LINPRO	LINEAR PROGRAMMING MODEL	T A605 36068B	
MESSAG	INTERTERMINAL COMMUNICATOR	*F	F 102 36284A	TRANSP	TRANSPORTATION PROBLEM	T A605 36230A	
INTEGER				GINTLP	LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	S C605 36512A	
STGINT	STRING-INTEGER CONVERSIONS	T	A 104 36176A	GLP	LINEAR PROGRAMMING	S C605 36516A	
EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A 301 36035B	GLPSA1	LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	S C605 36517A	
SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES	T	A 301 36036A	LNRTRD	LINEAR TREND FORECASTING	T A608 36069A	
FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	T	A 301 36037A	LOGARITHMIC			
INTEGRAL TRANSFORMS (316)				REGCOR	REGRESSION/CORRELATION	T A404 36054B	
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A 316 36028A	MATHEMATICS (EDUCATION) (801)			
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A 316 36029A	SPHERE	SOLVES SPHERICAL TRIANGLES	T A301 36034A	
GFFT	GENERAL FAST FOURIER TRANSFORM	T	A 316 36030A	EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T A301 36035B	
INTEGRATION				SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES	T A301 36036A	
BESSEL	CALCULATES BESSEL FUNCTION OF FIRST KIND	T	A 306 36019A	FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	T A301 36037A	
INTGR	COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	A 310 36021A	DETER4	DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T B312 36263A	
ROMINT	INTEGRATES A FUNCTION (ROMBERG METHOD)	*T	A 310 36022B	RNDORD	PLACING INTEGERS IN RANDOM ORDER	T B405 36264A	
INVENTORY ANALYSIS (708)				MATHB	CAI MATH PACKAGE (2000B VERSION)	E A801 20679B	
REP	DATA CENTER INVENTORY REPORT GENERATOR	T	A 708 36177A	MATC	CAI MATH PACKAGE (2000C VERSION)	E C801 44843B	
IN	DATA CENTER INVENTORY REPORT GENERATOR	T	A 708 36177A	TENS	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	E B801 36128A	
CTC1	CTC MANUFACTURING PARTS CONTROL	T	A 708 36210B	DRILL	BASIC ARITHMETIC DRILL	E B801 36129A	
CTC2	CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	T	A 708 36211B	TWQUES	MATHEMATICAL GAME OF TWENTY QUESTIONS	E B801 36130A	
INVERSE				WKSHT	GENERATES MATH WORKSHEETS	E A801 36133A	
CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM	T	A 316 36028A	DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	E A801 36159A	
RTCFFT	REAL TO COMPLEX FAST FOURIER TRANSFORM	T	A 316 36029A	SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E A801 36182A	
GFFT	GENERAL FAST FOURIER TRANSFORM	T	A 316 36030A	CADA11	COMPUTER ASSISTED ARITHMETIC DRILL	E A801 36205A	
				CADA1M	COMPUTER ASSISTED ARITHMETIC DRILL	E A801 36205A	
				CADA1P	COMPUTER ASSISTED ARITHMETIC DRILL	E A801 36205A	
				FACTRL	FACTORIALS TO 1000 PLACES	E A801 36227A	
				TRIFAC	FACTORING QUADRATIC TRINOMIALS	E C801 36237A	

* Indicates NEW or REVISED since February 1973
 Stripe indicates SUPPORTED program

CROSS REFERENCE INDEX

		Volume	Section	Chapter	Page	Order	Year
SIPRAC	PRACTICE WITH SIGNED NUMBERS	E	C801	36238A			
POLSUB	POLYNOMIAL SUBTRACTION	E	C801	36239A			
BISQAR	SQUARING BINOMIALS	E	C801	36240A			
LOGIC	LOGIC EXAMINATION PROGRAMS	E	B801	36251A			
EXTEND	INFINITE PRECISION MATH UTILITY PROGRAM	E	C801	36253A			
CXSYS	SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E	B801	36262A			
GAME	CLASSIC MATRIX OF GAME THEORY	E	A801	36265A			
DIMIS	X-Y AXIS SEGMENT PROGRAM	E	C801	36277A			
SYSSOL	SOLVING SYSTEMS OF LINEAR EQUATIONS	*E	C801	36278A			
CRVLEN	COMPUTES LENGTH OF ANY CURVE	H	S801	36333A			
RATIO	SOLVES PROPORTIONS	H	S801	36336A			
SETS	UNION AND INTERSECTION OF SETS	H	S801	36337A			
SURFAC	AREA OF SURFACE OF REVOLUTION	H	S801	36338A			
VOLSOL	VOLUME OF SOLID OF REVOLUTION	H	S801	36339A			
BAGELS	THREE-DIGIT NUMBER GUESSING	E	S801	36360A			
TRUTH	TRUTH TABLES FOR BOOLEAN EXPRESSIONS	*E	F801	36602A			
CVAREA	AREA UNDER CURVE	*H	A801	36620A			
LIMSIN	LIMIT OF (SIN X)/X	*H	A801	36622A			
PI	CALCULATES PI	*H	A801	36623A			
ROOTS2	QUADRATIC EQUATION SOLVER	*H	A801	36625A			
SLOPE	FINDS DERIVATIVES	*H	F801	36626A			
SQRT	FINDS SQUARE ROOT	*H	A801	36627A			
STATAL	ARITHMETIC MEAN	*H	A801	36628A			
WAVES	SUM OF TWO WAVES	H	S833	36324B			
BANK	SOLVES FINANCIAL PROBLEMS	H	S860	36329A			
STOCK	STOCK MARKET SIMULATION	H	S860	36331A			
BATTLE	BATTLESHIP GAME	T	A903	36236A			
MATHEMATICS, GENERAL (301)							
SPHERE	SOLVES SPHERICAL TRIANGLES	T	A301	36034A			
EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	T	A301	36035B			
SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES	T	A301	36036A			
FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS	T	A301	36037A			
CALCOM	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	T	B301	36131A			
CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	B301	36131A			
CALC2	THREE REGISTER CALCULATOR PROGRAM	T	A301	36168A			
CALC	EXTENDED PRECISION CALCULATOR	T	A302	36015A			
LRGNUM	LARGE NUMBER ADDITION & MULTIPLICATION	*T	A302	36016B			
FNCTS	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303	36017A			
SQR(2)	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	T	A303	36018A			
DRILL	BASIC ARITHMETIC DRILL	E	B801	36129A			
SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E	A801	36182A			
FACTRL	FACTORIALS TO 1000 PLACES	E	A801	36227A			
LOGIC	LOGIC EXAMINATION PROGRAMS	E	B801	36251A			
EXTEND	INFINITE PRECISION MATH UTILITY PROGRAM	E	C801	36253A			
DIMIS	X-Y AXIS SEGMENT PROGRAM	E	C801	36277A			
CRVLEN	COMPUTES LENGTH OF ANY CURVE	H	S801	36333A			
SURFAC	AREA OF SURFACE OF REVOLUTION	H	S801	36338A			
VOLSOL	VOLUME OF SOLID OF REVOLUTION	H	S801	36339A			
SQRT	FINDS SQUARE ROOT	*H	A801	36627A			
EXPRES	EXPRESSION SOLVING PROGRAM	E	C810	36254A			
PLOTTR	FUNCTION PLOTTER	H	S810	36334B			
QUADT	NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	H	S810	36335A			
EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	E	A820	36148A			
MATRIX OPERATIONS (312)							
CDETER	COMPUTES VALUE OF COMPLEX DETERMINANT	T	A312	36025A			
DETER4	DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T	B312	36263A			
DETERM	MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	E	A820	36166A			
JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	E	A820	36167A			
MECHANICAL ENGINEERING (514)							
HTXFR	TWO DIMENSIONAL HEAT TRANSFER	T	A514	36058A			
METRIC	CONVERTS ENGLISH TO METRIC	*T	F514	36635A			
ORBIT	INTEGRATES EQUATIONS OF MOTION	E	A833	36121A			
NETWORK							
GNETFL	NETWORK FLOW	S	C604	36529A			
GTHOR	SECURITIES EPS GROWTH	S	C713	36553A			
NON-PARAMETRIC STATISTICS (407)							
CHISQ	COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T	A407	36042A			
CHISQS	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T	A407	36043B			
STAT2	MANN-WHITNEY 2 SAMPLE RANK TEST	T	A407	36052A			
STAT3	SPEARMAN RANK CORRELATION COEFFICIENTS	T	A407	36053A			
FISHER	FISHER'S EXACT PROBABILITY TEST	*T	F407	36606A			
NUMERICAL DIFFERENTIATION (317)							
DERIV	DERIVATIVE OF A FUNCTION AT A POINT	T	A317	36031A			
NUMERICAL INTEGRATION (310)							
INTGRT	COMPUTES NUMERIC INTEGRAL OF A FUNCTION	T	A310	36021A			
ROMINT	INTEGRATES A FUNCTION (ROMBERG METHOD)	*T	A310	36022B			
OPTIMIZATION PROGRAMS (604)							
GNETFL	NETWORK FLOW	S	C604	36529A			
ORDINARY DIFFERENTIAL EQUATIONS (318)							
DE-10R	1ST ORDER DIFFERENTIAL EQUATION	T	A318	36032A			
DE-20R	2ND ORDER DIFFERENTIAL EQUATION	T	A318	36033A			
DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	E	A801	36159A			
PAYROLL ACCOUNTING (706)							
CTC4	CTC PAYROLL PROGRAMS	*T	A706	36213B			
SALES	SALES COMMISSION REPORT	T	A710	36095A			
SALSIM	SALARY SCHEDULE COST SIMULATOR	T	A720	36072A			
PERT (602)							
CPATH	CRITICAL PATH EVALUATION	T	A603	36171B			
PHYSICS (505)							
H-LIFE	HALF LIFE SIMULATION	E	A833	36134A			
BFIELD	MAGNETIC FIELD PICTURE	H	S833	36312A			
BOHR	ENERGY LEVEL DIAGRAM	H	S833	36313A			
KINERV	REVIEW OF KINEMATICS	H	S833	36315A			
NEWTN2	NEWTON'S 2ND LAW	H	S833	36316A			
PHOTEL	PHOTOELECTRIC EFFECT	H	S833	36317A			
PHOTON	ENERGY LEVEL PROBLEM	H	S833	36318A			
REFLECT	LEAST TIME PRINCIPLE AND LIGHT	H	S833	36319A			
SNELL	SNELL'S LAW	H	S833	36320A			
SPACE	SPACECRAFT ORBITS	H	S833	36321A			
VFIELD	POTENTIAL FIELD PICTURE	H	S833	36322A			
VELOCTY	INSTANTANEOUS VELOCITY	H	S833	36323A			
ALERA	PROPAGATION OF ERROR	*E	F833	36603A			
PLOTTING ROUTINES (904)							
CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	T	B301	36131A			
GRPLT	SIMPLE REGRESSION AND PLOT	S	C404	36542A			
HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS	T	A408	36055B			
GVPDQT	PLOTTING DATA	S	C713	36554A			
VPDQ	PLOTTING DATA	S	C713	36554A			
PLOTTR	FUNCTION PLOTTER	H	S810	36334B			
POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM	E	A820	36155A			
KINET	KINETIC REACTION	H	S833	36309A			
BFIELD	MAGNETIC FIELD PICTURE	H	S833	36312A			
BOHR	ENERGY LEVEL DIAGRAM	H	S833	36313A			
SLITS	YOUNG'S DOUBLE SLIT EXPERIMENT	H	A833	36351A			
CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC	T	A901	36110A			
SNOOPY	DRAWS SNOOPY ON THE TELEPRINTER	T	A903	36108A			
PLOT	PLOTS A GIVEN FUNCTION ON THE TELETYPE	T	A904	36104A			
PFPLOT	FUNCTION PLOT	T	A904	36112A			
TITLE	CHARACTER GENERATION	T	A904	36114A			
GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	T	A904	36115A			
FRGRAPH	SIMULTANEOUS FUNCTION GRAPHER	T	A904	36165A			
PLOTWD	WORD PLOTTER	T	A904	36226A			
HISS	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T	C904	36235A			
PRINT	GENERATES LARGE LETTERS	*T	F904	36299A			
VCHART	INVESTMENT DECISIONS USING TEKTRONIX 4010	S	C904	36555A			
VREGPL	PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S	C904	36556A			
VSUB	DISPLAY ROUTINE USING TEKTRONIX 4010	S	C904	36558A			
VTTT	TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	T	C904	36559A			
HPLOTB	AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	T	B904	72050A			
HPPLT	AUTOMATIC PLOTTING PROGRAM	T	C904	72051A			
POLYNOMIAL							
POLY	POLYNOMIAL APPROXIMATION	T	S309	36188A			
ROOTER	FINDS THE ROOTS OF POLYNOMIALS	T	A311	36024A			
POLYNOMIALS AND POLYNOMIAL EQUATIONS (311)							
POLY	POLYNOMIAL APPROXIMATION	T	S309	36188A			
ROOTER	FINDS THE ROOTS OF POLYNOMIALS	T	A311	36024A			
DETER4	DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	T	B312	36263A			
PORTFOLIO							
GCHLIN	RATING INVESTMENT FUNDS	S	C713	36503A			
GDPA	EFFICIENT 'CORNER' PORTFOLIOS	S	C713	36508A			
GMMRVB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A			
GMRGB	SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	S	C713	36530A			
PRINTER (SEE LINE PRINTER OR TELEPRINTER)							
PROBABILITY							
GWBULL	SUBJECTIVE PROBABILITY - RANDOM VALUES	S	C405	36551A			
GTASPD	SUBJECTIVE PROBABILITY DISTRIBUTION	S	C406	36549A			
PROBABILITY DISTRIBUTION SAMPLING (406)							
GINOPO	PROBABILITY DISTRIBUTION COMPARISONS	T	A406	36041A			
BTASPD	SUBJECTIVE PROBABILITY DISTRIBUTION	S	C406	36549A			
CHISQ	COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T	A407	36042A			
CHISQS	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T	A407	36043B			

CROSS REFERENCE INDEX

PROGRAMMING AIDS (212)

FINDIT : INFORMATION RETRIEVAL SYSTEM *T C102 36250B
 DATA : DUMPS FILE TO DATA STATEMENTS *T F212 36287A
 TUTOR : TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25 E A810 36139A

PROGRAMMING AND COMPUTER SCIENCE (EDUCATION) (810)

CALC2 : THREE REGISTER CALCULATOR PROGRAM T A301 36168A
 STOP : TIES MATH CALCULATOR PACKAGE E A810 36014A
 TUTOR : TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25 E A810 36139A
 STOPB : MATH CALCULATOR PACKAGE E A810 36208A
 BRAIN : BRAIN SIMULATOR PROGRAM E C810 36219A
 EXPRES : EXPRESSION SOLVING PROGRAM E C810 36254A
 PLOTTR : FUNCTION PLOTTER H S810 36334B
 QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES H S810 36335A

QUALITY ASSURANCE PERFORMANCE ANALYSIS (702)

AVERG1 : AVERAGES AND CURVES GRADES H S720 36340A

RANDOM NUMBER GENERATORS (405)

RANDEV : GENERATES RANDOM DEVIATES-SUBROUTINE T A405 36050B
 RANDOM : RANDOM NUMBER GENERATOR T A405 36203A
 RNDORD : PLACING INTEGERS IN RANDOM ORDER T B405 36264A
 GWBULL : SUBJECTIVE PROBABILITY - RANDOM VALUES S C405 36551A

RANK

STAT2 : MANN-WHITNEY 2 SAMPLE RANK TEST T A407 36052A
 STAT3 : SPEARMAN RANK CORRELATION COEFFICIENTS T A407 36053A
 GRANK : RANKING STATISTICS S C408 36541A

REAL

ROOTS2 : QUADRATIC EQUATION SOLVER *H A801 36625A

RECURSIVE

ROMINT : INTEGRATES A FUNCTION (ROMBERG METHOD) *T A310 36022B

REGRESSION ANALYSIS (404)

POLFIT : FITS LEAST-SQUARES POLYNOMIALS T A404 36023B
 CURFIT : PERFORMS LEAST-SQUARES FIT T A404 36038C
 REGCOR : REGRESSION/CORRELATION T A404 36054B
 MULREG : MULTIPLE REGRESSION/CORRELATION T A404 36178A
 MULTX : LEAST-SQUARES FIT, MULTIPLE Y'S PER X T A404 36186A
 GRPLT : SIMPLE REGRESSION AND PLOT S C404 36542A
 GCHLIN : RATING INVESTMENT FUNDS S C713 36503A
 VRRC : INVESTMENT STRATEGY ANALYSIS S C713 36557A
 VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010 S C904 36556A

REPORT GENERATORS (005)

LOGRAM : LOG-ON TAPE ANALYZER T A408 36001A

RETURN

GIRRPV : INVESTMENT RETURN (CASH FLOW) S C712 36513A
 GCHLIN : RATING INVESTMENT FUNDS S C713 36503A

RISK

GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT S C712 36543A
 GMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION S C713 36530A
 GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION S C713 36530A
 VRRC : INVESTMENT STRATEGY ANALYSIS S C713 36557A

ROOTS

SQR(Z) : COMPUTES SQUARE ROOT OF A COMPLEX NUMBER T A303 36018A
 ROOTER : FINDS THE ROOTS OF POLYNOMIALS T A311 36024A
 ROOTS2 : QUADRATIC EQUATION SOLVER *H A801 36625A

RUNGE-KUTTA

DE-1OR : 1ST ORDER DIFFERENTIAL EQUATION T A318 36032A
 DE-2OR : 2ND ORDER DIFFERENTIAL EQUATION T A318 36033A

SALES FORECASTING (710)

SLSMN : SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM T A102 36004A
 SALES : SALES COMMISSION REPORT T A710 36095A

SCIENCE (EDUCATION) (833)

SUNSET : SUNRISE-SUNSET PREDICTOR T S509 36180A
 ORBIT : INTEGRATES EQUATIONS OF MOTION E A833 36121A
 H-LIFE : HALF LIFE SIMULATION E A833 36134A
 SPCTRA : OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES E A833 36184A
 IONIC : DRILL ON FORMULAS AND CHARGES OF IONS E B833 36260A
 ISOMER : DRILL ON NAMING ALKANES E B833 36261A
 IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS E B833 36266A
 ELEMENT : DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS E B833 36267A
 CHEM : SELF-CORRECTING CHEMISTRY TEST *E F833 36295A
 DROS : GENETIC CHARACTERISTICS H S833 36300A
 EVOLU : NATURAL SELECTION EXPERIMENT H S833 36301A

GAMGN : PROCESS OF GAMETOGENESIS H S833 36302A
 NZYMC : ENZYMIC REACTION RATES H S833 36303A
 NZYMR : ENZYME REACTION RATE H S833 36304A
 PHOSYN : PHOTOSYNTHESIS EXPERIMENT H S833 36305A
 DECAY1 : RADIOACTIVE DECAY GAME H S833 36306A
 DECAY2 : NUCLEAR DECAY H S833 36307A
 EQUIL1 : EQUILIBRIUM SYSTEMS H S833 36308A
 EQUIL2 : EQUILIBRIUM SYSTEMS H S833 36308A
 KINET : KINETIC REACTION H S833 36309A
 MASSD : MASS DEFECT H A833 36310A
 PRCNT : PERCENT COMPOSITION H S833 36311A
 BFIELD : MAGNETIC FIELD PICTURE H S833 36312A
 BOHR : ENERGY LEVEL DIAGRAM H S833 36313A
 CALORI : CALORIMETRY EXPERIMENT H S833 36314A
 KINERV : REVIEW OF KINEMATICS H S833 36315A
 NEWTN2 : NEWTON'S 2ND LAW H S833 36316A
 PHOTEL : PHOTOELECTRIC EFFECT H S833 36317A
 PHOTON : ENERGY LEVEL PROBLEM H S833 36318A
 REFLCT : LEAST TIME PRINCIPLE AND LIGHT H S833 36319A
 SNELL : SNELL'S LAW H S833 36320A
 SPACE : SPACECRAFT ORBITS H S833 36321A
 VFIELD : POTENTIAL FIELD PICTURE H S833 36322A
 VLOCY : INSTANTANEOUS VELOCITY H S833 36323A
 WAVES : SUM OF TWO WAVES H S833 36324B
 CLOUDS : CLOUD FORMATION H S833 36325A
 WATER1 : WATER BUDGET PROBLEM CHECK H S833 36326A
 WATER2 : WATER BUDGET H S833 36327A
 PLANK : A PHOTOELECTRIC SIMULATION H S833 36350A
 SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT H A833 36351A
 AFLIFE : JOHN CONWAY'S GAME OF LIFE E S833 36353A
 ALERA : PROPAGATION OF ERROR *E F833 36603A
 MEMBR : DIFFUSION EXPERIMENT *H A833 36611A
 ATWT : CALCULATES ATOMIC WEIGHT *H A833 36613A
 AVOGA : AVOGADRA'S NUMBER *H A833 36614A
 EMPIR : CALCULATES EMPIRICAL FORMULAS *H A833 36615A
 MOLAR : ACID-BASE TITRATION *H A833 36616A
 PHPOH : PH, POH, PCT, DISSOCIATION *H A833 36617A
 STOICH : MASS VOLUME *H A833 36618A
 EFIELD : ELECTRIC FIELD STRENGTH *H A833 36629A
 LENSES : SOLVES LENS PROBLEMS *H A833 36630A
 PRJTL : PROJECTILE MOTION *H A833 36631A
 POLUT : WATER POLLUTION SIMULATION *H F833 36639A
 STERL : FLY POPULATION CONTROL *H F833 36641A
 GENE1 : GENETICS SIMULATION *H F833 36642A

SCOPE (SEE OSCILLOSCOPE)

SECURITIES

GDAP1 : ABNORMAL PERFORMANCE INDEX S C713 36507A
 GDPA : EFFICIENT 'CORNER' PORTFOLIOS S C713 36508A
 GKASSF : WARRANT PRICE CALCULATION S C713 36514A
 GKOST : PRICE/EARNINGS RATIO CALCULATION S C713 36515A
 GMRVB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION S C713 36530A
 GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION S C713 36530A
 GSTKVL : STOCK VALUATION S C713 36545A
 VRRC : INVESTMENT STRATEGY ANALYSIS S C713 36557A
 GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME S C880 36502A

SIMPSON

BESSEL : CALCULATES BESSEL FUNCTION OF FIRST KIND T A306 36019A
 INTGR : COMPUTES NUMERIC INTEGRAL OF A FUNCTION T A310 36021A

SIMULATION

RANDEV : GENERATES RANDOM DEVIATES-SUBROUTINE T A405 36050B
 GVOTE : COMMITTEE CHOICE ANALYSIS S C606 36550A
 G555 : SMALL SYSTEMS SIMULATOR S C607 36552A
 GRISKA : RISK ANALYSIS IN CAPITAL INVESTMENT S C712 36543A
 BRAIN : BRAIN SIMULATOR PROGRAM E C810 36219A
 GMCR01 : FISCAL POLICY GAME S C830 36519A
 GMCR02 : FISCAL POLICY GAME S C830 36519A
 GMCR06 : ECONOMIC POLICY GAME S C830 36521A
 GMCR05 : ECONOMIC POLICY GAME S C830 36521A
 PHOTEL : PHOTOELECTRIC EFFECT H S833 36317A
 PLANK : A PHOTOELECTRIC SIMULATION H S833 36350A
 SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT H A833 36351A
 CHARGE : CHARGE ACCOUNT SIMULATION *E F860 36604A
 SETUP : MANAGEMENT SIMULATION GAME FOR THE HP 2000A E A880 36002B
 MANAG : MANAGEMENT SIMULATION GAME FOR THE HP 2000A E A880 36002B
 RITE : MANAGEMENT SIMULATION GAME FOR THE HP 2000A E A880 36002B
 SETUPB : MANAGEMENT SIMULATION GAME FOR THE 2000B E B880 36193A
 MANAGB : MANAGEMENT SIMULATION GAME FOR THE 2000B E B880 36193A
 MANAGU : MANAGEMENT SIMULATION GAME FOR THE 2000B E B880 36193A
 RITET : MANAGEMENT SIMULATION GAME FOR THE 2000B E B880 36193A
 MRKSIM : MARKETING SIMULATION E A880 36199A
 SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C E C880 36209A
 MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C E C880 36209A
 LABOR : LABOR/MANAGEMENT BARGAINING E A880 36233A
 SLOT : SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY) T A903 36107A

SIMULTANEOUS

SIMEQN : SOLVES SIMULTANEOUS LINEAR EQUATIONS T A314 36026A
 CROUTI : SOLVES SIMULTANEOUS LINEAR EQUATIONS T A314 36027A

* - Indicates NEW or REVISED since February 1973

Stripe indicates SUPPORTED program

CROSS REFERENCE INDEX

SOCIAL SCIENCE (EDUCATION) (860)

	Volume	System	Identification	Class	Code	Order	No.
WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM	E	B860	36187A		
BALANC	:	TRADE AND PAYMENT BALANCES	H	S860	36328A		
BANK	:	SOLVES FINANCIAL PROBLEMS	H	S860	36329A		
CONSPM	:	DEPRESSION/EQUILIBRIUM	H	S860	36330A		
STOCK	:	STOCK MARKET SIMULATION	H	S860	36331A		
CHARGE	:	CHARGE ACCOUNT SIMULATION	*E	F860	36604A		
POLSYS	:	SIMULATION OF CITY COUNCIL	*H	F860	36640A		

SOLUTION

SIMEQN	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36026A		
CROUT1	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36027A		

SORTING AND MERGING (107)

FINDIT	:	INFORMATION RETRIEVAL SYSTEM	*T	C102	36250B		
SORT	:	FILE SERIAL STRING SORT	T	C107	36122A		
STGSRT	:	SORTS STRINGS FROM FILES	T	C107	36145A		
FILLSOR	:	FILE POINTER SORT/POINTER SORT	T	A107	36206A		
POISOR	:	FILE POINTER SORT/POINTER SORT	T	A107	36206A		
IRV	:	FILE SORT ROUTINE	T	C107	36232A		
ALPHA	:	ALPHANUMERIC SORT	*T	A107	36292A		
REP	:	DATA CENTER INVENTORY REPORT GENERATOR	T	A708	36177A		
IN	:	DATA CENTER INVENTORY REPORT GENERATOR	T	A708	36177A		

STATISTICS, GENERAL (408)

REGCOR	:	REGRESSION/CORRELATION	T	A404	36054B		
CHISQ	:	COMPUTES PROBABILITY OF CHI-SQUARE VALUES	T	A407	36042A		
CHISQS	:	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T	A407	36043B		
LOGRAM	:	LOG-ON TAPE ANALYZER	T	A408	36001A		
GEOMEN	:	STATISTICS OF GEOMETRIC DISTRIBUTION	T	A408	36045A		
HISTOG	:	A HISTOGRAM FORMED FROM A SET OF NUMBERS	T	A408	36055B		
FC	:	ANALYSIS OF LOG TAPE	T	A408	36120A		
SCORES	:	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	T	A408	36136A		
KR20	:	ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY	T	A408	36137A		
FRQ	:	FREQUENCY BETWEEN BOUNDRIES	T	A408	36191B		
GRANK	:	RANKING STATISTICS	S	C408	36541A		
GANOVA	:	ANALYSIS OF VARIANCE (2-WAY)	S	C410	36501A		
AVERGI	:	AVERAGES AND CURVES GRADES	H	S720	36340A		
FREQ	:	BAR GRAPHS OF GRADES	H	S720	36341A		
GRADE	:	TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H	S720	36342A		
ITEM1	:	NUMBER FREQUENCIES	H	S720	36343A		
STAT	:	STATISTICAL ANALYSIS OF LAB DATA	H	S720	36344A		
HISS	:	SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	T	C904	36235A		

STRING

MACRO	:	A TEXT AND FILE PROCESSING SYSTEM	T	A101	36003A		
FORMAT	:	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	T	A104	36005B		
STGINT	:	STRING-INTEGER CONVERSIONS	T	A104	36176A		
STGSRT	:	SORTS STRINGS FROM FILES	T	C107	36145A		

SYSTEM THEORY (519)

TMFCEV	:	TIME FUNCTION EVALUATOR	T	A519	36063A		
--------	---	-------------------------	---	------	--------	--	--

SYSTEMS OF LINEAR EQUATIONS (314)

SIMEQN	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36026A		
CROUT1	:	SOLVES SIMULTANEOUS LINEAR EQUATIONS	T	A314	36027A		
SOLVIT	:	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	T	A314	36196A		
6SIMEQ	:	SIMULTANEOUS LINEAR EQUATIONS	S	C314	36547A		
CXSYSS	:	SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	E	B801	36262A		
SYSSOL	:	SOLVING SYSTEMS OF LINEAR EQUATIONS	*E	C801	36278A		

TABLE HANDLING (103)

JULIAN	:	JULIAN CALENDAR FOR THE CURRENT YEAR	T	A108	36197A		
--------	---	--------------------------------------	---	------	--------	--	--

TAPE (SEE MAGNETIC TAPE OR PAPER TAPE)

TEKTRONIX

VCHART	:	INVESTMENT DECISIONS USING TEKTRONIX 4010	S	C904	36555A		
VREGPL	:	PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	S	C904	36556A		
VSUB	:	DISPLAY ROUTINE USING TEKTRONIX 4010	S	C904	36558A		
VTTT	:	TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	T	C904	36559A		

TELECOMMUNICATIONS EQUIPMENT TEST (217)

TESTTY	:	TESTS THE OPERATION OF A REMOTE TELETYPE	T	A217	36013A		
--------	---	--	---	------	--------	--	--

TELEPRINTER

FILEAD	:	LOADS A FILE FROM THE TELETYPE	T	A110	36010C		
FILREA	:	REENTERS THE DATA TAPE DUMPED BY FILDUM	T	A110	36011A		
TESTTY	:	TESTS THE OPERATION OF A REMOTE TELETYPE	T	A217	36013A		

TEST (SEE SPECIFIC TYPE OF TEST)

TEST SCORING

SCORES	:	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	T	A408	36136A		
FREQ	:	BAR GRAPHS OF GRADES	H	S720	36341A		
GRADE	:	TEST GRADE FOR NUMBER OF QUESTIONS MISSED	H	S720	36342A		
ITEM1	:	NUMBER FREQUENCIES	H	S720	36343A		

TESTS OF HYPOTHESIS

T-TEST	:	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	T	A401	36170A		
--------	---	--	---	------	--------	--	--

TRIGONOMETRY

SPHERE	:	SOLVES SPHERICAL TRIANGLES	T	A301	36034A		
FNCTS	:	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	T	A303	36017A		
SAT	:	TRIGONOMETRIC SOLUTIONS OF TRIANGLES	E	A801	36182A		

UNIVARIATE AND MULTIVARIATE PARAMETRIC STATISTICS (401)

T-TEST	:	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	T	A401	36170A		
BINOPO	:	PROBABILITY DISTRIBUTION COMPARISONS	T	A406	36041A		
CHISQS	:	CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	T	A407	36043B		

VECTOR ARITHMETIC (SEE COMPLEX ARITHMETIC)

VOCATIONAL (EDUCATION) (890)

WHEELS	:	AUTO PURCHASE AND MAINTENANCE SYSTEM	E	B860	36187A		
--------	---	--------------------------------------	---	------	--------	--	--

VOLTMETER (SEE DIGITAL VOLTMETER)

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

ALPHABETICAL SUMMARY

Volume	Name	Title	Volume	Name	Title	Volume	Name	Title
T	-ASCII	: ASCII CODE GENERATOR	(C104)	36257A	E DIFFEQ	: CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS	(A801)	36159A
E	AC-1	: COMPUTER AIDED PRACTICE IN EE AC ANALYSIS	(A820)	36152A	E DIMIS	: X-Y AXIS SEGMENT PROGRAM	(C801)	36277A
T	ACNODE	: AC CIRCUIT ANALYSIS PROGRAM	(A513)	36057A	*T DRAG	: SIMULATES A DRAG RACE	(A903)	36601A
*T	ACTFIL	: ACTIVE FILTER DESIGN	(F513)	36293A	E DRILL	: BASIC ARITHMETIC DRILL	(H801)	36129A
T	ADRES	: ADDRESS LABELS	(A102)	36231A	T DROIPIR	: DISCOUNTED RETURN ON INVESTMENT AND PAYBACK	(C713)	36179A
E	AFLIFE	: JOHN CONWAY'S GAME OF LIFE	(S833)	36353A	H DR0S	: GENETIC CHARACTERISTICS	(S833)	36300A
*E	ALERA	: PROPAGATION OF ERROR	(F833)	36603A	E OVRDS	: CAI IN VOLTAGE AND CURRENT DIVIDERS	(A820)	36156A
*T	ALFTOV	: ALPHA TO VARIABLE CONVERSION	(F104)	36296A	T DYNPRO	: DYNAMIC PROGRAMMING MODEL	(A610)	36067A
*T	ALPHA	: ALPHANUMERIC SORT	(A107)	36292A	*H EFIELD	: ELECTRIC FIELD STRENGTH	(A833)	36629A
T	ANALAD	: CIRCUIT ANALYSIS	(A513)	36056A	E ELMENT	: DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	(B833)	36267A
*T	ANCOV	: ANALYSIS OF COVARIANCE	(A410)	36294A	*H EMPIR	: CALCULATES EMPIRICAL FORMULAS	(A833)	36615A
*T	ANNUIT	: ANNUITY ANALYSIS	(A712)	36074A	H EQUIL1	: EQUILIBRIUM SYSTEMS	(S833)	36308A
*T	ANOV43	: THREE FACTORIAL ANALYSIS OF VARIANCE	(A410)	36271A	H EQUIL2	: EQUILIBRIUM SYSTEMS	(S833)	36308A
T	ANVAR1	: ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN	(A410)	36039B	T EQUITY	: COST OF EQUITY CAPITAL	(A712)	36083A
T	ANVAR2	: ANALYSIS OF VARIANCE (LATIN SQUARE DESIGN)	(A410)	36040B	T EUCLID	: COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS	(A301)	36035B
T	ANVAR3	: ANALYSIS OF VARIANCE FOR TWO VARIABLES OF CLASSIFICATION DESIGN	(A410)	36172A	H EVOLU	: NATURAL SELECTION EXPERIMENT	(S833)	36301A
T	ANVAR4	: TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT	(A410)	36173A	T EXDRSK	: EXTENDED RISK ANALYSIS	(A713)	36084A
T	ASCII	: CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	(C104)	36256B	E EXEC	: CAI EXECUTIVE PACKAGE	(C800)	24242B
E	ATTEND	: ABSENTEE LISTING	(C720)	36202A	T EXPEND	: BUDGET EXPENDITURES VS. TARGETS MONITOR	(A716)	36111A
*H	ATWT	: CALCULATES ATOMIC WEIGHT	(A833)	36613A	E EXPNTL	: CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME	(A820)	36148A
H	AVERG1	: AVERAGES AND CURVES GRADES	(S720)	36340A	E EXPRES	: EXPRESSION SOLVING PROGRAM	(C810)	36254A
*H	AVOGA	: AVOGADRA'S NUMBER	(A833)	36614A	T EXSMOD	: EXPONENTIAL SMOOTHING ON PRICE DATA	(A713)	36085A
E	BAGELS	: THREE-DIGIT NUMBER GUESSING	(S801)	36360A	E EXTEND	: INFINITE PRECISION MATH UTILITY PROGRAM	(C801)	36253A
H	BALANC	: TRADE AND PAYMENT BALANCES	(S860)	36328A	T EXTPRE	: 40-DIGIT PRECISION MATHEMATICS	(A302)	36144A
T	BALSHT	: PROFORMA INCOME STATEMENT AND BALANCE SHEET	(A712)	36075A	T FACTOR	: FINDS PRIME FACTORS OF POSITIVE INTEGERS	(A301)	36037A
H	BANK	: SOLVES FINANCIAL PROBLEMS	(S860)	36329A	F FACTRL	: FACTORIALS TO 1000 PLACES	(A801)	36227A
T	BASTES	: BASIC TEST PROGRAM	(A211)	36116A	T FC	: ANALYSIS OF LOG TAPE	(A408)	36120A
T	BATNUM	: PLAYS THE BATTLE OF NUMBERS GAME	(A903)	36105A	T FGRAPH	: SIMULTANEOUS FUNCTION GRAPHER	(A904)	36165A
T	BATTLE	: BATTLESHIP GAME	(A903)	36236A	T FIFTY!	: EXTENDED PRECISION FACTORIAL	(A901)	36169A
T	BEMDES	: RECOMMENDS CORRECT STEEL BEAM USE	(A515)	36109A	T FILDUM	: PAPER TAPE FILE OUMP	(A110)	36008C
T	BESSEL	: CALCULATES BESSEL FUNCTION OF FIRST KIND	(A306)	36019A	T FILIN	: KEYBOARD FILE LOADING PROGRAM	(A110)	36007A
H	BFIELD	: MAGNETIC FIELD PICTURE	(S833)	36312A	T FILIS	: FILE LISTING PROGRAM/INSTRUCTIONS	(C108)	36272A
T	BINOPO	: PROBABILITY DISTRIBUTION COMPARISONS	(A406)	36041A	T FILIS1	: FILE LISTING PROGRAM/INSTRUCTIONS	(C108)	36272A
E	BISQAR	: SQUARING BINOMIALS	(C801)	36240A	T FILIST	: LISTS FILE CONTENTS BY RECORD NUMBER	(A110)	36009C
T	BLJACK	: GAME OF TWENTY-ONE	(A903)	36103A	T FILMAN	: FILE MANAGER	(A110)	36006A
T	BNDPRC	: BOND PRICE ANALYSIS	(A713)	36076B	T FILDAD	: LOADS A FILE FROM THE TELETYPE	(A110)	36010C
T	BNDSWH	: BOND SWITCH ANALYSIS	(A713)	36077A	T FILREA	: REENTERS THE DATA TAPE DUMPED BY FILDUM	(A110)	36011A
T	BNDYLD	: BOND YIELD ANALYSIS	(A713)	36078B	*T FILRPT	: REPORTS FILE CONTENTS AND STRUCTURE	(F110)	36247A
T	BNKRSV	: BANK RESERVE CALCULATIONS	(A713)	36079A	T FILSOR	: FILE POINTER SORT/POINTER SORT	(A107)	36206A
H	BOHR	: ENERGY LEVEL DIAGRAM	(S833)	36313A	*T FINDIT	: INFORMATION RETRIEVAL SYSTEM	(C102)	36250B
E	BRAIN	: BRAIN SIMULATOR PROGRAM	(C810)	36219A	*T FISHER	: FISHER'S EXACT PROBABILITY TEST	(F407)	36606A
T	BUOGET	: DEPARTMENTAL MANAGER'S BUDGETING PROGRAM	(A716)	36073A	T FLCOPY	: COPIES ONE FILE INTO ANOTHER	(A110)	36012B
E	CADAI1	: COMPUTER ASSISTED ARITHMETIC DRILL	(A801)	36205A	T FNCSPT	: COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS	(A303)	36017A
E	CADAI1M	: COMPUTER ASSISTED ARITHMETIC DRILL	(A801)	36205A	T FFORMAT	: ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT	(A104)	36005B
E	CADAI2	: COMPUTER ASSISTED ARITHMETIC DRILL	(A801)	36205A	T FPL0T	: FUNCTION PLOT	(A904)	36112A
T	CALC	: EXTENDED PRECISION CALCULATOR	(A302)	36015A	H FREQ	: BAR GRAPHS OF GRADES	(S720)	36341A
T	CALC2	: THREE REGISTER CALCULATOR PROGRAM	(A301)	36168A	T FRQ	: FREQUENCY BETWEEN BOUNDRIES	(A408)	36191B
T	CALCOM	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)	(B301)	36131A	T FTBL	: FOOTBALL	(A903)	36181A
*T	CALNDR	: PRINTS A CALENDAR	(F108)	36288A	E GAME	: CLASSIC MATRIX OF GAME THEORY	(A801)	36265A
H	CALORI	: CALORIMETRY EXPERIMENT	(S833)	36314A	H GAMNG	: PROCESS OF GAMETOGENESIS	(S833)	36302A
T	CALPLT	: CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)	(B301)	36131A	S GANOVA	: ANALYSIS OF VARIANCE (2-WAY)	(C410)	36501A
T	CANNON	: HP 7200A GAME DEMO FOR TIME-SHARED BASIC	(A901)	36110A	S GCHLIN	: RATING INVESTMENT FUNDS	(C713)	36503A
T	CAPINV	: CAPITAL INVESTMENT ANALYSIS	(A713)	36080A	S GCPATH	: CRITICAL PATH ANALYSIS	(C603)	36504A
E	CARLOS	: COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II	(C871)	36175A	S GCPMI	: CRITICAL PATH ANALYSIS	(C603)	36505A
T	CDETER	: COMPUTES VALUE OF COMPLEX DETERMINANT	(A312)	36025A	S GDOPT	: ABNORMAL PERFORMANCE INDEX	(C713)	36507A
*E	CHARGE	: CHARGE ACCOUNT SIMULATION	(F860)	36604A	S GDPA	: EFFICIENT 'CORNER' PORTFOLIOS	(C713)	36508A
T	CHARS	: ASCII CHARACTER SET	(C104)	36220A	*H GENE1	: GENETICS SIMULATION	(F407)	36642A
*E	CHEM	: SELF-CORRECTING CHEMISTRY TEST	(F833)	36295A	T GEOMEN	: STATISTICS OF GEOMETRIC DISTRIBUTION	(A408)	36045A
T	CHISO	: COMPUTES PROBABILITY OF CHI-SQUARE VALUES	(A407)	36042A	T GFFT	: GENERAL FAST FOURIER TRANSFORM	(A316)	36030A
T	CHISQS	: CHI-SQUARE STATISTICS FOR M*N CONTINGENCY TABLES	(A407)	36043B	S GFNRAT	: FINANCIAL RATIOS	(C712)	36510A
*H	CIRFLW	: CIRCULAR FLOW MODEL	(A830)	36632A	S GINTLP	: LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO	(C605)	36512A
H	CLOUDS	: CLOUD FORMATION	(S833)	36325A	S GIPRPV	: INVESTMENT RETURN (CASH FLOW)	(C712)	36513A
*T	COLREG	: COLLEGE REGISTRATION DEMO	(F720)	36282A	S GKASSF	: WARRANT PRICE CALCULATION	(C713)	36514A
E	COMPLX	: CAI IN ALGEBRA OF COMPLEX NUMBERS	(A820)	36153A	S GKCSOT	: PRICE/EARNINGS RATIO CALCULATION	(C713)	36515A
H	CONSPM	: DEPRESSION/EQUILIBRIUM	(S860)	36330A	S GLP	: LINEAR PROGRAMMING	(C605)	36516A
T	CPATH	: CRITICAL PATH EVALUATION	(A603)	36171B	S GLPSA1	: LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD	(C605)	36517A
T	CROUT1	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	(A314)	36027A	T GMARKS	: GSB GRADING PROGRAM	(C720)	36518A
H	CRVLEN	: COMPUTES LENGTH OF ANY CURVE	(S801)	36333A	T GMCRO1	: FISCAL POLICY GAME	(C830)	36519A
T	CSHFL	: CASH FLOW ANALYSIS	(A712)	36142B	S GMCRO2	: FISCAL POLICY GAME	(C830)	36519A
T	CTC1	: CTC MANUFACTURING PARTS CONTROL	(A708)	36210B	S GMCRO5	: ECONOMIC POLICY GAME	(C830)	36521A
T	CTC2	: CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	(A708)	36211B	S GMCRO6	: ECONOMIC POLICY GAME	(C830)	36521A
*T	CTC3	: CTC PROJECTION PROGRAMS	(A717)	36212B	T GMDIT	: GSB GRADING PROGRAM	(C720)	36518A
*T	CTC4	: CTC PAYROLL PROGRAMS	(A717)	36213B	S GMRGR	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	(C713)	36530A
T	CTC5	: CTC ACCOUNTS RECEIVABLE	(A711)	36214B	S GNETFL	: NETWORK FLOW	(C604)	36529A
*T	CTC6	: CTC ACCOUNTS PAYABLE	(F709)	36638A	S GNMVRB	: SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION	(C713)	36530A
T	CTRFFT	: COMPLEX TO REAL FAST FOURIER TRANSFORM	(A316)	36028A	T GNPSUM	: GROSS NATIONAL PRODUCT SUMMARY	(A714)	36086A
T	CURFIT	: PERFORMS LEAST-SQUARES FIT	(A404)	36038C	T GOLF	: A GOLF GAME	(A903)	36102A
*H	CVAREA	: AREA UNDER CURVE	(A801)	36630A	H GRADE	: TEST GRADE FOR NUMBER OF QUESTIONS MISSED	(S720)	36342A
T	CAARTH	: VECTOR ARITHMETIC	(A303)	36118A	S GRANK	: RANKING STATISTICS	(C408)	36541A
T	CXEXP	: VECTOR EXPONENTIATION	(A303)	36119A	T GRAPHS	: DEMO PLOT PROGRAM FOR HP 7200 PLOTTER	(A904)	36115A
E	CXSYSS	: SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	(H801)	36262A	S GRGPTL	: SIMPLE REGRESSION AND PLOT	(C404)	36542A
*T	DATA	: DUMPS FILE TO DATA STATEMENTS	(F212)	36287A	S GRISKA	: RISK ANALYSIS IN CAPITAL INVESTMENT	(C712)	36543A
*T	DATER	: DATE AND DAY OF THE WEEK	(F104)	36298A	S GSIMEQ	: SIMULTANEOUS LINEAR EQUATIONS	(C314)	36547A
T	DATES	: COMPUTES DATE FROM SYSTEM CLOCK	(B104)	36117A	S GSPMG	: STANFORD PORTFOLIO MANAGEMENT GAME	(C880)	36502A
T	DE-10R	: 1ST ORDER DIFFERENTIAL EQUATION	(A318)	36032A	S GSSS	: SMALL SYSTEMS SIMULATOR	(C607)	36552A
T	DE-20R	: 2ND ORDER DIFFERENTIAL EQUATION	(A318)	36033A	S GSTKVL	: STOCK VALUATION	(C713)	36545A
T	DERBYE	: COMPUTES DERBYE OR EINSTEIN FUNCTION	(A516)	36059A	T GTAPID	: PAPER TAPE TITLER	(C104)	36548A
H	DECAY1	: RADIOACTIVE DECAY GAME	(S833)	36306A	S GTASPD	: SUBJECTIVE PROBABILITY DISTRIBUTION	(C406)	36549A
H	DECAY2	: NUCLEAR DECAY	(S833)	36307A	S GTHOR	: SECURITIES EPS GROWTH	(C713)	36553A
T	DECSN	: TOP MANAGEMENT DECISION GAME	(A606)	36065C	S GVOTE	: COMMITTEE CHOICE ANALYSIS	(C606)	36550A
T	DEPCOM	: DEPRECIATION METHOD COMPARISON	(A712)	36082A	S GVDPQT	: PLOTTING DATA	(C713)	36554A
T	DERIV	: DERIVATIVE OF A FUNCTION AT A POINT	(A317)	36031A	S GWBULL	: SUBJECTIVE PROBABILITY - RANDOM VALUES	(C405)	36551A
T	DETER4	: DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	(B312)	36263A	E H-LIFE	: HALF LIFE SIMULATION	(A833)	36134A
E	DETERM	: MATRIX DETERMINANT USING GAUSSIAN ELIMINATION	(A820)	36166A	T HELLO	: TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL	(B104)	36125B
					T HISS	: SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	(C904)	36235A
					T HISTOG	: A HISTOGRAM FORMED FROM A SET OF NUMBERS	(A408)	36055B
					T HPL0TB	: AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B	(H904)	72050A
					T HPLMIT	: LIST/DUMP HP ASSEMBLER FILES	(A108)	

ALPHABETICAL SUMMARY

T HPMLUT	: LIST/DUMP HP ASSEMBLER FILES	(A10R)	36218A	T REGCOR	: REGRESSION/CORRELATION	(A404)	36054H
T HPPL0T	: AUTOMATIC PLOTTING PROGRAM	(C904)	72051A	T REP	: DATA CENTER INVENTORY REPORT GENERATOR	(A704)	36177A
T HTXFR	: TWO DIMENSIONAL HEAT TRANSFER	(A514)	36054H	E RIFE	: MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A840)	36002H
T IATA.1	: CALCULATE AIR FREIGHT RATES	(C71R)	36164H	E RITET	: MANAGEMENT SIMULATION GAME FOR THE 2000H	(B800)	36193A
T IATA.C	: CALCULATE BREAKPOINT OF IATA CONTAINERS	(C71R)	36241A	T RNDORD	: PLACING INTEGERS IN RANDOM ORDER	(H405)	36264A
E IDF	: INSTRUCTIONAL DIALOGUE FACILITY	(C800)	24241B	E RNET	: NETWORK SIMULTANEOUS EQUATIONS	(A820)	36159A
T IN	: DATA CENTER INVENTORY REPORT GENERATOR	(A70M)	36177A	*T RUMINT	: INTEGRATES A FUNCTION (ROMBERG METHOD)	(A310)	36022B
T IN/OUT	: INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS	(A714)	36088A	T RWOOTR	: FINDS THE ROOTS OF POLYNOMIALS	(A311)	36024A
T INACNT	: NATIONAL INCOME & PRODUCT ACCOUNTS	(A714)	36087A	*H ROOTS2	: QUADRATIC EQUATION SOLVER	(A316)	36025A
E INDMTR	: ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR	(A820)	36154A	T RTCFFT	: REAL TO COMPLEX FAST FOURIER TRANSFORM	(A316)	36029A
T INSTMT	: INCOME STATEMENT	(A712)	36089B	T SALES	: SALES COMMISSION REPORT	(A710)	36095A
T INTGRT	: COMPUTES NUMERIC INTEGRAL OF A FUNCTION	(A310)	36021A	T SALSIM	: SALARY SCHEDULE COST SIMULATOR	(A720)	36072A
E IONIC	: DRILL ON FORMULAS AND CHARGES OF IONS	(B833)	36260A	E SAT	: TRIGONOMETRIC SOLUTIONS OF TRIANGLES	(A801)	36182A
E IONIC1	: DRILL ON FORMULAS OF IONIC COMPOUNDS	(B833)	36266A	T SCORES	: COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES	(A404)	36136A
T IRV	: FILE SORT ROUTINE	(C107)	36232A	H SETS	: UNION AND INTERSECTION OF SETS	(S801)	36337A
E ISOMER	: DRILL ON NAMING ALKANES	(B833)	36261A	E SETUP	: MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A840)	36002B
H ITEM1	: NUMBER FREQUENCIES	(S720)	36343A	E SEFUPH	: MANAGEMENT SIMULATION GAME FOR THE 2000P	(B800)	36193A
E JACOBI	: EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX	(A820)	36167A	E SETUPC	: MANAGEMENT SIMULATION GAME FOR THE 2000C	(C800)	36209A
*T JULI	: ONE PAGE JULIAN CALENDAR	(F10R)	36279A	T SIMEON	: SOLVES SIMULTANEOUS LINEAR EQUATIONS	(A314)	36026A
T JULIAN	: JULIAN CALENDAR FOR THE CURRENT YEAR	(A10A)	36197A	E SIPHAC	: PRACTICE WITH SIGNED NUMBERS	(C801)	36238A
T KENO	: \$25,000.00 KENO GAME	(A903)	36244A	H SLITS	: YOUNG'S DOUBLE SLIT EXPERIMENT	(A833)	36351A
T KEYSIG	: GIVES MAJOR SCALES	(A104)	36258A	T SLOPE	: FINOS DERIVATIVES	(A801)	36276A
H KINERV	: REVIEW OF KINEMATICS	(S833)	36315A	T SLOT	: SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)	(A903)	36107A
H KINET	: KINETIC REACTION	(S833)	36309A	T SLSMN	: SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM	(A102)	36000A
T KR20	: ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY	(A40R)	36137A	H SNELL	: SNELL'S LAW	(S833)	36320A
E LABOR	: LABOR/MANAGEMENT BARGAINING	(A840)	36233A	T SNOOPY	: DRAWS SNOOPY ON THE TELEPRINTER	(A803)	36108A
T LEASIN	: LEASE INCOME	(C712)	36194A	E SOLVER	: SOLVES COMPLEX SIMULTANEOUS EQUATIONS	(A820)	36149A
T LENDER	: SIMPLE LOAN ANALYSIS	(A712)	36090A	T SOLVIT	: SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION	(A314)	36196A
*H LENSES	: SOLVES LENS PROBLEMS	(A833)	36630A	T SORT	: FILE SERIAL STRING SORT	(C107)	36122A
T LESSEF	: LEASE ANALYSIS AS DETERMINED BY THE LESSEE	(A712)	36091A	H SPACE	: SPACECRAFT ORBITS	(S833)	36321A
T LIFE	: A GAME OF CELLULAR GENERATION GROWTH	(A903)	36138A	E SPCTRA	: OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES	(B833)	36144A
*H LIMINS	: LIMIT OF (SIN X)/X	(A801)	36622A	T SPHERE	: SOLVES SPHERICAL TRIANGLES	(A301)	36034A
T LINPRO	: LINEAR PROGRAMMING MODEL	(A605)	36068B	T SQRIZ	: COMPUTES SQUARE ROOT OF A COMPLEX NUMBER	(A303)	36018A
T LNTRND	: LINEAR TREND FORECASTING	(A608)	36049A	T SQRS	: AN INTEGER AS THE SUM OF FOUR SQUARES	(A301)	36036A
T LOAN	: LOAN AMORTIZATION	(C712)	36226A	*H SGRH	: FINOS SQUARE ROOT	(A801)	36627A
E LOGIC	: LOGIC EXAMINATION PROGRAMS	(H101)	36251A	H STAF	: STATISTICAL ANALYSIS OF LAB DATA	(S720)	36344A
T LOGRAM	: LOG-ON TAPE ANALYZER	(A40H)	36001A	*T STAT19	: KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE	(F410)	36607A
T LPFLTR	: DESIGNS LOW-PASS FILTERS	(A513)	36060A	T STAT2	: MANN-WHITNEY 2 SAMPLE RANK TEST	(A407)	36052A
T LOVALV	: COMPUTES LIQUID CONTROL VALVE COEFFICIENTS	(A511)	36061A	T STAT3	: SPEARMAN RANK CORRELATION COEFFICIENTS	(A407)	36053A
*T LRGNUM	: LARGE NUMBER ADDITION & MULTIPLICATION	(A302)	36016B	*H STATAL	: ARITHMETIC MEAN	(A801)	36628A
T MACRO	: A TEXT AND FILE PROCESSING SYSTEM	(A101)	36003A	*H STERL	: FLY POPULATION CONTROL	(B833)	36641A
E MANAG	: MANAGEMENT SIMULATION GAME FOR THE HP 2000A	(A880)	36002B	T STGINT	: STRING-INTEGEX CONVERSIONS	(A104)	36176A
E MANAGB	: MANAGEMENT SIMULATION GAME FOR THE 2000B	(B880)	36193A	T STGSTR	: SORTS STRINGS FROM FILES	(C107)	36145A
E MANAGC	: MANAGEMENT SIMULATION GAME FOR THE 2000C	(C880)	36209A	T STKINC	: STOCK MERGER INCENTIVE PROGRAM	(A713)	36096A
E MANAGD	: MANAGEMENT SIMULATION GAME FOR THE 2000D	(B880)	36193A	T STKRIN	: STOCK RETURNS REPORT	(A713)	36098A
T MARKOW	: SECURITIES PORTFOLIO USING MARKOWITZ MODEL	(A713)	36092A	T STKSMO	: EXPONENTIAL SMOOTHING AS A STOCK GUIDE	(A713)	36099A
H MASSO	: MASS DEFECT	(A833)	36310A	T STKVAL	: STOCK VALUE & EVALUATION REPORT	(A713)	36100A
E MATHB	: CAI MATH PACKAGE (2000H VERSION)	(A801)	20879H	H STOCK	: STOCK MARKET SIMULATION	(S860)	36331A
E MATHC	: CAI MATH PACKAGE (2000C VERSION)	(C801)	24243H	*H STOICH	: MASS VOLUME	(A833)	36618A
*H MEMBR	: DIFFUSION EXPERIMENT	(A833)	36611A	E STOP	: TIES MATH CALCULATOR PACKAGE	(A810)	36014A
*T MESSAG	: INTERTERMINAL COMMUNICATOR	(F102)	36284A	E STOPH	: MATH CALCULATOR PACKAGE	(A810)	36208A
*T METRIC	: CONVERTS ENGLISH TO METRIC	(F514)	36635A	T STTA	: STAW TREK	(C903)	36243A
T MICRO	: MICROWAVE PARAMETERS CONVERSION	(A513)	36062A	E SUBHNT	: CAI SUBROUTINES	(A800)	24244A
T MIXSPR	: MIXER SPORIOUS RESPONSE PROGRAM	(A513)	36064A	T SUNSET	: SUNRISE-SUNSET PREDICTOR	(S504)	36180A
T MKBUY	: MAKE-BUY DECISION ANALYSIS	(A712)	36093A	H SURFAC	: AREA OF SURFACE OF REVOLUTION	(S801)	36338A
*H MOLAR	: ACID-BASE TITRATION	(A833)	36616A	*E SYSSOL	: SOLVING SYSTEMS OF LINEAR EQUATIONS	(C801)	36278A
T MOPGAG	: MORTGAGE ANALYSIS	(A712)	36094B	T T-TEST	: TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION	(A401)	36170A
E MRKSIM	: MARKETING SIMULATION	(A840)	36199A	T TALK	: TIME SHARING SYSTEM COMMUNICATION	(A10H)	36222A
T MULREG	: MULTIPLE REGRESSION/CORRELATION	(A404)	36178A	T TAPDUM	: FILE UTILITY PROGRAM	(B110)	36221A
T MULTX	: LEAST-SQUARES FIT, MULTIPLE Y'S PER X	(A404)	36186A	E TENS	: DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS	(B801)	36128A
E MUSIC2	: TRIAD SOLVING PROGRAM	(A850)	36276A	T TERTES	: TELETYPE-CWT DIAGNOSTIC	(C205)	36185A
T MUSIC5	: FINOS DOMINANT SEVENTHS	(A104)	36259A	T TESTTY	: TESTS THE OPERATION OF A REMOTE TELETYPE	(A217)	36013A
E NET-3	: COMPLEX NUMBER OPERATIONS	(A820)	36150A	T TIDE	: TEXT EDITOR FOR THE 2000C	(C101)	36200H
*T NEWIDS	: CHEATES NEW USER NUMBERS	(F10R)	36248A	T TIDEX	: SYMBOLIC FILE EDITOR	(A101)	36204A
H NEWTN2	: NEWTON'S 2ND LAW	(S833)	36316A	*T TIMER	: TIME OF THE DAY	(F104)	36297A
H NZYM2	: ENZYME REACTION RATE	(S833)	36304A	T TITLE	: CHARACTER GENERATION	(A904)	36114A
H NZYMC	: ENZYME REACTION RATES	(S833)	36303A	T TMFCEV	: TIME FUNCTION EVALUATOR	(A519)	36063A
E ORBIT	: INTEGRATES EQUATIONS OF MOTION	(A833)	36121A	T TRANSP	: TRANSPORTATION PROBLEM	(A605)	36230A
H PHOSYN	: PHOTOSYNTHESIS EXPERIMENT	(S833)	36305A	T TRCK.1	: CALCULATE TRUCK FREIGHT RATES	(C718)	36174A
H PHOTEL	: PHOTOELECTRIC EFFECT	(S833)	36317A	E TRIFAC	: FACTORING QUADRATIC TRINOMIALS	(A810)	36237A
H PHOTON	: ENERGY LEVEL PROBLEM	(S833)	36318A	T TRUINT	: TRUE ANNUAL INTEREST RATE ANALYSIS	(A713)	36101A
*H PHPOH	: PH, POH, PCT, DISSOCIATION	(A833)	36617A	E TRUTH	: TRUTH TABLES FOR BOOLEAN EXPRESSIONS	(F801)	36602A
*H PI	: CALCULATES PI	(A801)	36623A	E TUTOR	: TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUT01 - TUT25	(A810)	36139A
H PLANK	: A PHOTOELECTRIC SIMULATION	(S833)	36350A	E TWQUES	: MATHEMATICAL GAME OF TWENTY QUESTIONS	(B801)	36130A
T PLOT	: PLOTS A GIVEN FUNCTION ON THE TELETYPE	(A904)	36104A	E UNITS	: CAI IN INTERPRETATION OF EE UNITS	(A820)	36157A
H PLOTTR	: FUNCTION PLOTTER	(S810)	36334B	S VCHART	: INVESTMENT DECISIONS USING TEKTRONIX 4010	(C404)	36555A
T PLOTWD	: WORD PLOTTER	(A904)	36228A	H VFIELD	: POTENTIAL FIELD PICTURE	(S833)	36322A
T POISOR	: FILE POINTER SORT/POINTER SORT	(A107)	36206A	H VLOCY	: INSTANTANEOUS VELOCITY	(S833)	36323A
E POLAR	: PLOTS SINGLE VARIABLE IN POLAR FORM	(A820)	36155A	H VOLSOL	: VOLUME OF SOLID OF REVOLUTION	(S801)	36339A
T POLFIT	: FITS LEAST-SQUARES POLYNOMIALS	(A404)	36023B	S VPDG	: PLOTTING DATA	(C713)	36554A
T POLFTE	: FITS LEAST-SQUARES POLYNOMIALS	(A309)	36246A	S VREGPL	: PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010	(C904)	36556A
E POLSUB	: POLYNOMIAL SUBTRACTION	(C801)	36239A	S VRRC	: INVESTMENT STRATEGY ANALYSIS	(C713)	36557A
*H POLSYS	: SIMULATION OF CITY COUNCIL	(F860)	36640A	S VSUB	: DISPLAY ROUTINE USING TEKTRONIX 4010	(C904)	36558A
*H POLUT	: WATER POLLUTION SIMULATION	(F833)	36639A	T VITT	: TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL	(C904)	36559A
T POLY	: POLYNOMIAL APPROXIMATION	(S309)	36188A	H WATER1	: WATER BUDGET PROBLEM CHECK	(S833)	36326A
H PRCNT	: PERCENT COMPOSITION	(S833)	36311A	H WATER2	: WATER BUDGET	(S833)	36327A
*H PRINT	: GENERATES LARGE LETTERS	(F904)	36299A	H WAVES	: SUM OF TWO WAVES	(S833)	36324H
*H PRJTL	: PROJECTILE MOTION	(A833)	36631A	E WHEELS	: AUTO PURCHASE AND MAINTENANCE SYSTEM	(B860)	36187A
H QUADT	: NATURE OF GRAPH OF A 2ND ORDER EQUATION IN TWO VARIABLES	(S810)	36335A	E WKSHT	: GENERATES MATH WORKSHEETS	(A801)	36133A
T QUBIC	: PLAYS 3-DIMENSIONAL TIC-TAC-TOE	(A903)	36106A	T XREF	: BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR	(C211)	36143C
T HANDEV	: GENERATES RANDOM DEVIATES-SUBROUTINE	(A405)	36050B	T XTRACT	: FILE UTILITY PROGRAM	(B110)	36221A
T RANDOM	: RANDOM NUMBER GENERATOR	(A405)	36203A				
H RATIO	: SOLVES PROPORTIONS	(S801)	36336A				
T RECRUT	: RECRUITING INFORMATION SYSTEM	(A717)	36113B				
H REFLCT	: LEAST TIME PRINCIPLE AND LIGHT	(S833)	36319A				

* Indicates NEW or REVISED since February 1973

Stripe indicates SUPPORTED program

ORDER NUMBER LISTING

LEGEND

Volumes: T = HP BASIC, E = Education, H = Huntington, S = Stanford
 System Specifications: A = 2000A, B = 2000B, C = 2000C, F = 2000F,
 S = Single Terminal

Volume	Order No.	System Specification	Order Code	Name	Title
E	208799	(A801)		MATHB	CAI MATH PACKAGE (2000H VERSION)
E	242410	(C800)		IDF	INSTRUCTIONAL DIALOGUE FACILITY
E	242429	(C800)		EXEC	CAI EXECUTIVE PACKAGE
E	242439	(C801)		MATHC	CAI MATH PACKAGE (2000C VERSION)
E	24244A	(A800)		SUBRTN	CAI SUBROUTINES
T	36001A	(A408)		LOGRAM	LOG-ON TAPE ANALYZER
E	36002H	(A800)		SETUP	MANAGEMENT SIMULATION GAME FOR THE HP 2000A
E	36002H	(A800)		MANAG	MANAGEMENT SIMULATION GAME FOR THE HP 2000A
E	36002H	(A800)		RITF	MANAGEMENT SIMULATION GAME FOR THE HP 2000A
T	36003A	(A101)		MACRO	A TEXT AND FILE PROCESSING SYSTEM
T	36004A	(A102)		SLSMN	SALES MANAGER'S INFORMATION RETRIEVAL SYSTEM
T	36005A	(A104)		FORMAT	ALLOWS SPECIAL FORMATTING OF DATA PRINTOUT
T	36006A	(A110)		FILMAN	FILE MANAGER
T	36007A	(A110)		FILIN	KEYBOARD FILE LOADING PROGRAM
T	36008C	(A110)		FILDUM	PAPER TAPE FILE DUMP
T	36009C	(A110)		FILIST	LISTS FILE CONTENTS BY RECORD NUMBER
T	36010C	(A110)		FILOAD	LOADS A FILE FROM THE TELETYPE
T	36011A	(A110)		FILREA	RENTERS THE DATA TAPE DUMPED BY FILDUM
T	36012H	(A110)		FILCOY	COPIES ONE FILE INTO ANOTHER
T	36013A	(A217)		TESTTY	TESTS THE OPERATION OF A REMOTE TELETYPE
E	36014A	(A810)		STOP	TIES MATH CALCULATOR PACKAGE
T	36015A	(A302)		CALC	EXTENDED PRECISION CALCULATOR
T	36016A	(A302)		LRGNUM	LARGE NUMBER ADDITION & MULTIPLICATION
T	36017A	(A303)		FNCTS	COMPUTES TRIG FUNCTIONS FOR COMPLEX ARGUMENTS
T	36018A	(A303)		SQP(Z)	COMPUTES SQUARE ROOT OF A COMPLEX NUMBER
T	36019A	(A306)		RESSEL	CALCULATES HESSEL FUNCTION OF FIRST KIND
T	36021A	(A310)		INTGRT	COMPUTES NUMERIC INTEGRAL OF A FUNCTION
T	36022B	(A310)		ROMINT	INTEGRATES A FUNCTION (ROMBERG METHOD)
T	36023H	(A404)		POLFIT	FITS LEAST-SQUARES POLYNOMIALS
T	36024A	(A311)		ROOTER	FINDS THE ROOTS OF POLYNOMIALS
T	36025A	(A312)		CDETER	COMPUTES VALUE OF COMPLEX DETERMINANT
T	36026A	(A314)		SIMEGN	SOLVES SIMULTANEOUS LINEAR EQUATIONS
T	36027A	(A314)		CPDUT1	SOLVES SIMULTANEOUS LINEAR EQUATIONS
T	36028A	(A316)		CTRFFT	COMPLEX TO REAL FAST FOURIER TRANSFORM
T	36029A	(A316)		RTCFRT	REAL TO COMPLEX FAST FOURIER TRANSFORM
T	36030A	(A316)		GFFT	GENERAL FAST FOURIER TRANSFORM
I	36031A	(A317)		QERIV	DERIVATIVE OF A FUNCTION AT A POINT
T	36032A	(A318)		DE-10R	1ST ORDER DIFFERENTIAL EQUATION
T	36033A	(A318)		DE-20R	2ND ORDER DIFFERENTIAL EQUATION
T	36034A	(A301)		SPHERE	SOLVES SPHERICAL TRIANGLES
T	36035H	(A301)		EUCLID	COMPUTES LARGEST COMMON FACTOR OF TWO INTEGERS
T	36036A	(A301)		SQRS	AN INTEGER AS THE SUM OF FOUR SQUARES
T	36037A	(A301)		FACTOR	FINDS PRIME FACTORS OF POSITIVE INTEGERS
T	36038C	(A404)		CURFIT	PERFORMS LEAST-SQUARES FIT
T	36039H	(A410)		ANVAR1	ANALYSIS OF VARIANCE FOR A RANDOMIZED ONE-WAY DESIGN
T	36040H	(A410)		ANVAR2	ANALYSIS OF VARIANCE (LAIN SQUARE DESIGN)
T	36041A	(A406)		RINOPD	PROBABILITY DISTRIBUTION COMPARISONS
T	36042A	(A407)		CHISO	COMPUTES PROBABILITY OF CHI-SQUARE VALUES
T	36043B	(A407)		CHISUS	CHI-SQUARE STATISTICS FOR MN CONTINGENCY TABLES
T	36045A	(A408)		GEOMEN	STATISTICS OF GEOMETRIC DISTRIBUTION
T	36050B	(A405)		RANDEV	GENERATES RANDOM DEVIATES-SUBROUTINE
T	36052A	(A407)		STAT2	MANN-WHITNEY 2 SAMPLE PANK TEST
T	36053A	(A407)		STAT3	SPEARMAN RANK CORRELATION COEFFICIENTS
T	36054H	(A404)		REGCOR	REGRESSION/CORRELATION
T	36055H	(A408)		HISTOG	A HISTOGRAM FORMED FROM A SET OF NUMBERS
T	36056A	(A513)		ANALAD	CIRCUIT ANALYSIS
T	36057A	(A513)		ACNODE	AC CIRCUIT ANALYSIS PROGRAM
T	36058A	(A514)		HTXFR	TWO DIMENSIONAL HEAT TRANSFER
T	36059A	(A516)		DEBYE	COMPUTES DEBYE OR EINSTEIN FUNCTION
T	36060A	(A513)		LPFLTR	DESIGNS LOW-PASS FILTERS
T	36061A	(A511)		LQVALV	COMPUTES LIQUID CONTROL VALVE COEFFICIENTS
T	36062A	(A513)		MICRO	MICROWAVE PARAMETERS CONVERSION
T	36063A	(A519)		TMFCEV	TIME FUNCTION EVALUATOR
T	36064A	(A513)		MIXSPR	MIXER SPURIOUS RESPONSE PROGRAM
T	36065C	(A606)		DECSN	TOP MANAGEMENT DECISION GAME
T	36067A	(A610)		DYNPRO	DYNAMIC PROGRAMMING MODEL
T	36068H	(A605)		LINPRO	LINEAR PROGRAMMING MODEL
T	36069A	(A608)		LINTRD	LINEAR TREND FORECASTING
T	36072A	(A720)		SALSTM	SALARY SCHEDULE COST SIMULATOR
T	36073A	(A716)		RUDGET	DEPARTMENTAL MANAGER'S BUDGETING PROGRAM
T	36074A	(A712)		ANNUIT	ANNUITY ANALYSIS
T	36075A	(A712)		BALSHT	PROFORMA INCOME STATEMENT AND BALANCE SHEET
T	36076H	(A713)		BNDPRC	BOND PRICE ANALYSIS
T	36077A	(A713)		BNDSWH	BOND SWITCH ANALYSIS
T	36078H	(A713)		BNDYLD	BOND YIELD ANALYSIS
T	36079A	(A713)		BKRSV	BANK RESERVE CALCULATIONS
T	36080A	(A713)		CAPINV	CAPITAL INVESTMENT ANALYSIS
T	36082A	(A712)		DEPCOM	DEPRECIATION METHOD COMPARISON
T	36083A	(A712)		EQUITY	COST OF EQUITY CAPITAL
T	36084A	(A713)		EXDRSK	EXPONENTIAL SMOOTHING ON PRICE DATA
T	36085A	(A713)		EXSMO	EXPONENTIAL SMOOTHING ON PRICE DATA
T	36086A	(A714)		GNSPSM	GROSS NATIONAL PRODUCT SUMMARY
T	36087A	(A714)		INACNT	NATIONAL INCOME & PRODUCT ACCOUNTS
T	36088A	(A714)		IN/OUT	INPUT/OUTPUT ANALYSIS ON ECONOMIC FLOWS
T	36089H	(A712)		INSTMT	INCOME STATEMENT
T	36090A	(A712)		LENDER	SIMPLE LOAN ANALYSIS
T	36091A	(A712)		LESSEE	LEASE ANALYSIS AS DETERMINED BY THE LESSEE
T	36092A	(A713)		MARKOW	SECURITIES PORTFOLIO USING MARKOWITZ MODEL
T	36093A	(A712)		MKHUY	MAKE-BUY DECISION ANALYSIS
T	36094H	(A712)		MORGA6	MORTGAGE ANALYSIS
T	36095A	(A710)		SALES	SALES COMMISSION REPORT
T	36096A	(A713)		STKINC	STOCK MERGER INCENTIVE PROGRAM
T	36098A	(A713)		STKRTN	STOCK RETURNS REPORT
T	36099A	(A713)		STKSMO	EXPONENTIAL SMOOTHING AS A STOCK GUIDE
T	36100A	(A713)		STKVAL	STOCK VALUE & EVALUATION REPORT
T	36101A	(A713)		TRUINT	TRUE ANNUAL INTEREST RATE ANALYSIS

Volume	Order No.	System Specification	Order Code	Name	Title
I	36102A	(A903)		GOLF	A GOLF GAME
I	36103A	(A903)		RLJACK	GAME OF TWENIY-ONE
I	36104A	(A904)		PLOT	PLOTS A GIVEN FUNCTION ON THE TELETYPE
I	36105A	(A903)		HAINUM	PLAYS THE BATTLE OF NUMBERS GAME
I	36106A	(A903)		QUHIC	PLAYS 3-DIMENSIONAL IIC-IAC-TOE
I	36107A	(A903)		SLOT	SIMULATES A SLOT MACHINE (USE IN NEVADA ONLY)
T	36108A	(A903)		SNOOPY	DRAWNS SNOOPY ON THE TELEPRINTER
T	36109A	(A515)		REMDES	RECOMMENDS CORRECT STEEL BEAM USE
T	36110A	(A901)		CANNON	HP 7200A GAME DEMO FOR TIME-SHARED BASIC
T	36111A	(A716)		EXPNO	BUDGET EXPENDITURES VS. TARGETS MONITOR
T	36112A	(A904)		FPL0T	FUNCTION PLOT
T	36113H	(A717)		RECRUT	RECRUITING INFORMATION SYSTEM
T	36114A	(A904)		TITLE	CHARACTER GENERATION
T	36115A	(A904)		GRAPHS	DEMO PLOT PROGRAM FOR HP 7200 PLOTTER
T	36116A	(A211)		BASTES	BASIC TEST PROGRAM
T	36117A	(A104)		DATFS	COMPUTES DATE FROM SYSTEM CLOCK
T	36118A	(A303)		CXARTH	VECTOR ARITHMETIC
T	36119A	(A303)		CXEXP	VECTOR EXPONENTIATION
T	36120A	(A408)		FC	ANALYSIS OF LOG TAPE
E	36121A	(A833)		ORBIT	INTEGRATES EQUATIONS OF MOTION
T	36122A	(C107)		SORT	FILE SERIAL STRING SORT
T	36125H	(H104)		HELLO	TYPES DATE, TIME, AND PORT NUMBER ON TERMINAL
E	36128A	(H801)		TENS	DRILL IN MULTIPLICATION OF NUMBERS WITH TRAILING ZEROS
E	36129A	(H801)		DRILL	BASIC ARITHMETIC DRILL
E	36130A	(H801)		TWOUES	MATHEMATICAL GAME OF TWENTY QUESTIONS
T	36131A	(H301)		CALCOM	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 1 OF 2)
T	36131A	(H301)		CALPLT	CALCULATOR PROGRAM WITH OPTIONAL PLOTTER OUTPUT (PART 2 OF 2)
E	36133A	(A801)		WKSHT	GENERATES MATH WORKSHEETS
E	36134A	(A833)		H-LIFE	HALF LIFE SIMULATION
E	36136A	(A408)		SCORES	COMPUTES MEAN, STANDARD DEVIATION AND STANDARD SCORES FOR TEST SCORES
T	36137A	(A408)		KR20	ITEM ANALYSIS AND KUDER-RICHARDSON FORMULA 20 RELIABILITY
T	36139A	(A903)		LIFF	A GAME OF CELLULAR GENERATION GROWTH
E	36139A	(A810)		TUTOR	TUTOR SERIES BASIC LANGUAGE PROGRAMMING COURSE, TUTO1 - TUT25
T	36142H	(A712)		CSHFL	CASH FLOW ANALYSIS
T	36143C	(C211)		XREF	BASIC LANGUAGE PROGRAM CROSS-REFERENCE GENERATOR
T	36144A	(A302)		EXTPRE	40-DIGIT PRECISION MATHEMATICS
T	36145A	(C107)		STGSTR	SORTS STRINGS FROM FILES
E	36148A	(A820)		EXPNTL	CAI IN SIMPLE EXPONENTIAL FUNCTIONS OF TIME
E	36149A	(A820)		SOLVER	SOLVES COMPLEX SIMULTANEOUS EQUATIONS
E	36150A	(A820)		NET-3	COMPLEX NUMBER OPERATIONS
E	36152A	(A820)		AC-1	COMPUTER AIDED PRACTICE IN EE AC ANALYSIS
E	36153A	(A820)		COMPLX	CAI IN ALGEBRA OF COMPLEX NUMBERS
E	36154A	(A820)		INDMTR	ANALYSIS OF A BALANCED POLYPHASE INDUCTION MOTOR
E	36155A	(A820)		POLAR	PLOTS SINGLE VARIABLE IN POLAR FORM
E	36156A	(A820)		DVDRS	CAI IN VOLTAGE AND CURRENT DIVIDERS
E	36157A	(A820)		UNITS	CAI IN INTERPRETATION OF EE UNITS
E	36158A	(A820)		RNET	NETWORK SIMULTANEOUS EQUATIONS
E	36159A	(A801)		DIFFEQ	CAI IN SOLUTION OF LINEAR FIRST-ORDER DIFFERENTIAL EQUATIONS
T	36164H	(C718)		IATA.1	CALCULATE AIR FREIGHT RATES
T	36165A	(A904)		FGRAPH	SIMULTANEOUS FUNCTION GRAPHER
E	36166A	(A820)		DETERM	MATRIX DETERMINANT USING GAUSSIAN ELIMINATION
E	36167A	(A820)		JACOBI	EIGENVALUES AND EIGENVECTORS OF A REAL SYMMETRIC MATRIX
T	36168A	(A301)		CALC2	THREE REGISTER CALCULATOR PROGRAM
T	36169A	(A901)		FIFTY!	EXTENDED PRECISION FACTORIAL
T	36170A	(A401)		T-TEST	TEST OF HYPOTHESES USING STUDENTS T DISTRIBUTION
T	36171H	(A603)		CPATH	CRITICAL PATH EVALUATION
T	36172A	(A410)		ANVAR3	ANALYSIS OF VARIANCE FOR A TWO VARIABLES OF CLASSIFICATION DESIGN
T	36173A	(A410)		ANVAR4	TWO-WAY ANALYSIS OF VARIANCE FOR A TWO-WAY EXPERIMENT
T	36174A	(C718)		TRCK.1	CALCULATE TRUCK FREIGHT RATES
E	36175A	(C871)		CARLOS	COMPUTER-ASSISTED REVIEW LESSONS ON SYNTAX FOR SPANISH II
T	36176A	(A104)		STGTNT	STRING-INTEGER CONVERSIONS
T	36177A	(A708)		REP	DATA CENTER INVENTORY REPORT GENERATOR
T	36177A	(A708)		IN	DATA CENTER INVENTORY REPORT GENERATOR
T	36178A	(A404)		MULREG	MULTIPLE REGRESSION/CORRELATION
T	36179A	(C713)		DROIPB	DISCOUNTED RETURN ON INVESTMENT AND PAYBACK
T	36180A	(S509)		SUNSET	SUNRISE-SUNSET PREDICTOR
T	36181A	(A903)		FTBL	FOOTBALL
E	36182A	(A801)		SAT	TRIGONOMETRIC SOLUTIONS OF TRIANGLES
E	36184A	(A833)		SPCTRA	OPTICAL ABSORPTION SPECTRA SIMULATION, 2-SPECIES EQUILIBRIUM MIXTURES
T	36185A	(C205)		TERTES	TELETYPE-CRT DIAGNOSTIC
T	36186A	(A404)		MULTX	LEAST-SQUARES FIT, MULTIPLE Y'S PER X
E	36187A	(H860)		WHEELS	AUTO PURCHASE AND MAINTENANCE SYSTEM
T	36188A	(S309)		POLY	POLYNOMIAL APPROXIMATION
T	36191H	(A408)		FRQ	FREQUENCY BETWEEN HOUNDRIES
E	36193A	(H880)		SETUPB	MANAGEMENT SIMULATION GAME FOR THE 2000B
E	36193A	(H880)		MANAGB	MANAGEMENT SIMULATION GAME FOR THE 2000B
E	36193A	(H880)		MANAGA	MANAGEMENT SIMULATION GAME FOR THE 2000B
E	36193A	(H880)		RITET	MANAGEMENT SIMULATION GAME FOR THE 2000B
T	36194A	(C712)		LEASIN	LEASE INCOME
T	36196A	(A314)		SOLVIT	SIMULTANEOUS LINEAR EQUATIONS USING GAUSSIAN REDUCTION
T	36197A	(A108)		JULIAN	JULIAN CALENDAR FOR THE CURRENT YEAR
E	36199A	(A880)		MRKSIM	MARKETING SIMULATION

ORDER NUMBER LISTING

T 36200R (C101)	TIDE : TEXT EDITOR FOR THE 2000C	H 36324B (S833)	WAVES : SUM OF TWO WAVES
E 36202A (C720)	ATTEND : ARSENTEE LISTING	H 36325A (S833)	CLOUDS : CLOUD FORMATION
T 36203A (A405)	RANDOM : RANDOM NUMBER GENERATOR	H 36326A (S833)	WATER1 : WATER BUDGET PROBLEM CHECK
T 36204A (A101)	TIDEX : SYMBOLIC FILE EDITOR	H 36327A (S833)	WATER2 : WATER BUDGET
E 36205A (A801)	CADAIL : COMPUTER ASSISTED ARITHMETIC DRILL	H 36328A (S860)	BALANC : TRADE AND PAYMENT BALANCES
E 36205A (A801)	CADAIL : COMPUTER ASSISTED ARITHMETIC DRILL	H 36329A (S860)	BANK : SOLVES FINANCIAL PROBLEMS
E 36205A (A801)	CADAILP : COMPUTER ASSISTED ARITHMETIC DRILL	H 36330A (S860)	CONSPM : DEPRESSION/EQUILIBRIUM
T 36206A (A107)	FILSOR : FILE POINTER SORT/POINTER SORT	H 36331A (S860)	STOCK : STOCK MARKET SIMULATION
T 36206A (A107)	POISOR : FILE POINTER SORT/POINTER SORT	H 36333A (S801)	CRVLEN : COMPUTES LENGTH OF ANY CURVE
E 36208A (A810)	STOP8 : MATH CALCULATOR PACKAGE	H 36334A (S810)	PLOTTR : FUNCTION PLOTTER
E 36209A (C880)	SETUPC : MANAGEMENT SIMULATION GAME FOR THE 2000C	H 36335A (S810)	QUADT : NATURE OF GRAPH OF A 2ND ORDER EQUATION
E 36209A (C880)	MANAGC : MANAGEMENT SIMULATION GAME FOR THE 2000C		IN TWO VARIABLES
T 36210H (A708)	CTC1 : CTC MANUFACTURING PARTS CONTROL	H 36336A (S801)	RATIO : SOLVES PROPORTIONS
T 36211B (A708)	CTC2 : CTC INVENTORY CONTROL FOR FINISHED PRODUCTS	H 36337A (S801)	SETS : UNION AND INTERSECTION OF SETS
*T 36212R (A717)	CTC3 : CTC PROJECTION PROGRAMS	H 36338A (S801)	SURFAC : AREA OF SURFACE OF REVOLUTION
*T 36213A (A706)	CTC4 : CTC PAYROLL PROGRAMS	H 36339A (S801)	VOLSOL : VOLUME OF SOLID OF REVOLUTION
T 36214A (A711)	CTC5 : CTC ACCOUNTS RECEIVABLE	H 36340A (S720)	AVERG1 : AVERAGES AND CURVES GRADES
T 36218A (A108)	HPMLUT : LIST/DUMP HP ASSEMBLER FILES	H 36341A (S720)	FREQ : BAR GRAPHS OF GRADES
T 36218A (A108)	HPMLIT : LIST/DUMP HP ASSEMBLER FILES	H 36342A (S720)	GRADE : TEST GRADE FOR NUMBER OF QUESTIONS MISSED
E 36219A (C810)	HRAIN : BRAIN SIMULATOR PROGRAM	H 36343A (S720)	ITFMI : NUMBER FREQUENCIES
T 36220A (C104)	CHARS : ASCII CHARACTER SET	H 36344A (S720)	STAT : STATISTICAL ANALYSIS OF LAH DATA
T 36221A (B110)	XTWACT : FILE UTILITY PROGRAM	H 36350A (S833)	PLANK : A PHOTOELECTRIC SIMULATION
T 36221A (B110)	TAPDUM : FILE UTILITY PROGRAM	H 36351A (A833)	SLITS : YOUNG'S DOUBLE SLIT EXPERIMENT
T 36222A (A108)	TALK : TIME SHARING SYSTEM COMMUNICATION	E 36353A (S833)	AFLIFE : JOHN CONWAY'S GAME OF LIFE
T 36226A (C712)	LOAN : LOAN AMORTIZATION	E 36360A (S801)	BAGELS : THREE-DIGIT NUMBER GUESSING
E 36227A (A801)	FACTRL : FACTORIALS TO 1000 PLACES	S 36501A (C410)	GANOVA : ANALYSIS OF VARIANCE (2-WAY)
T 36229A (A904)	PLOTWD : WORD PLOTTER	S 36502A (C880)	GSPMG : STANFORD PORTFOLIO MANAGEMENT GAME
T 36230A (A605)	TRANSP : TRANSPORTATION PROBLEM	S 36503A (C713)	GCHLIN : RATING INVESTMENT FUNDS
T 36231A (A102)	ADDRES : ADDRESS LABELS	S 36504A (C603)	GCPATH : CRITICAL PATH ANALYSIS
T 36232A (C107)	TRV : FILE SORT ROUTINE	S 36505A (C603)	GCPM1 : CRITICAL PATH ANALYSIS
E 36233A (A880)	LAROR : LAROR/MANAGEMENT BARGAINING	S 36507A (C713)	GDAPI : ABNORMAL PERFORMANCE INDEX
T 36235A (C904)	HISS : SAMPLE STATISTICS AND HISTOGRAM FORMED FROM A SET OF NUMBERS	S 36508A (C713)	GDPA : EFFICIENT 'CORNER' PORTFOLIOS
		S 36510A (C712)	GFNRAT : FINANCIAL RATIOS
		S 36512A (C605)	GINTLP : LINEAR PROGRAMMING-VARIABLES RESTRICTED TO VALUES OF ONE OR ZERO
T 36236A (A903)	BATTLE : BATTLESHIP GAME	S 36513A (C712)	GIRRPV : INVESTMENT RETURN (CASH FLOW)
E 36237A (C801)	TRIFAC : FACTORING QUADRATIC TRINOMIALS	S 36514A (C713)	GKASSF : WARRANT PRICE CALCULATION
E 36238A (C801)	SIPRAC : PRACTICE WITH SIGNED NUMBERS	S 36515A (C713)	GKCOST : PRICE/EARNINGS RATIO CALCULATION
E 36239A (C801)	POLSUB : POLYNOMIAL SUBTRACTION	S 36516A (C605)	GLP : LINEAR PROGRAMMING
E 36240A (C801)	RISQAR : SQUARE ROOTS	S 36517A (C605)	GLPSA1 : LINEAR PROGRAMMING TWO-PHASE SIMPLEX METHOD
T 36241A (C718)	IATA.C : CALCULATES BREAKPOINT OF IATA CONTAINERS		
T 36243A (C903)	STR1 : STAR TREK	T 36518A (C720)	GMARKS : GSR GRADING PROGRAM
T 36244A (A903)	KENO : \$75,000.00 KENO GAME	T 36519A (C720)	GMEDIT : GSR GRADING PROGRAM
T 36246A (A309)	POLFIT : FITS LEAST-SQUARES POLYNOMIALS	S 36519A (C830)	GMCR01 : FISCAL POLICY GAME
*T 36247A (F110)	FILRPT : REPORTS FILE CONTENTS AND STRUCTURE	S 36519A (C830)	GMCR02 : FISCAL POLICY GAME
*T 36248A (F108)	NEWSOS : CREATES NEW USER NUMBERS	S 36521A (C830)	GMCR06 : ECONOMIC POLICY GAME
*T 36250B (C102)	FINDIT : INFORMATION RETRIEVAL SYSTEM	S 36521A (C830)	GMCR05 : ECONOMIC POLICY GAME
E 36251A (B01)	LOGIC : LOGIC EXAMINATION PROGRAMS	S 36529A (C604)	GNETFL : NETWORK FLOW
E 36253A (C801)	EXTEND : INFINITE PRECISION MATH UTILITY PROGRAM	S 36530A (C713)	GNMVRV : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
E 36254A (C810)	EXPRES : EXPRESSION SOLVING PROGRAM		
T 36256B (C104)	ASCII : CREATES AN ASCII FILE CONTAINING ALL 256 ASCII CHARACTERS	S 36530A (C713)	GMRGB : SECURITIES PORTFOLIO ANALYSIS AND DETERMINATION
T 36257A (C104)	-ASCII : ASCII CODE GENERATOR		
T 36258A (A104)	KEYSIG : GIVES MAJOR SCALES	S 36541A (C408)	GRANK : RANKING STATISTICS
T 36259A (A104)	MUSICS : FINDS DOMINANT SEVENTHS	S 36542A (C404)	GRGFLT : SIMPLE REGRESSION AND PLOT
E 36260A (B833)	IONIC : DRILL ON FORMULAS AND CHARGES OF IONS	S 36543A (C712)	GRIKA : RISK ANALYSIS IN CAPITAL INVESTMENT
E 36261A (B833)	ISOMER : DRILL ON NAMING ALKANES	S 36545A (C713)	GSTKVL : STOCK VALUATION
E 36262A (B801)	CXSYSS : SOLVING SYSTEMS OF COMPLEX LINEAR EQUATIONS	S 36547A (C314)	GSIMEQ : SIMULTANEOUS LINEAR EQUATIONS
		T 36549A (C104)	GTAPIO : PAPER TAPE TITLER
T 36263A (B312)	DETER4 : DETERMINANTS, CHARACTERISTIC POLYNOMIALS AND INVERSES OF MATRICES	S 36549A (C406)	GTAASD : SUBJECTIVE PROBABILITY DISTRIBUTION
		S 36550A (C606)	GVOTE : COMMITTEE CHOICE ANALYSIS
T 36264A (B405)	RNDORD : PLACING INTEGERS IN RANDOM ORDER	S 36551A (C405)	GWRULL : SUBJECTIVE PROBABILITY - RANDOM VALUES
E 36265A (A801)	GAME : CLASSIC MATRIX OF GAME THEORY	S 36552A (C607)	GSSS : SMALL SYSTEMS SIMULATOR
E 36266A (B833)	IONIC1 : DRILL ON FORMULAS OF IONIC COMPOUNDS	S 36553A (C713)	GTHOR : SECURITIES EPS GROWTH
E 36267A (B833)	ELMENT : DRILL ON SYMBOLS FOR CHEMICAL ELEMENTS	S 36554A (C713)	GVPOGT : PLOTTING DATA
*T 36271A (F410)	ANOVA3 : THREE FACTORIAL ANALYSIS OF VARIANCE	S 36554A (C713)	VPDQ : PLOTTING DATA
*T 36272A (C108)	FILIS : FILE LISTING PROGRAM/INSTRUCTIONS	S 36555A (C904)	VCHART : INVESTMENT DECISIONS USING TEKTRONIX 4010
T 36272A (C108)	FILIS1 : FILE LISTING PROGRAM/INSTRUCTIONS	S 36556A (C904)	VREGPL : PLOTTING X AND Y VARIABLES USING TEKTRONIX 4010
E 36275A (A850)	MUSIC2 : TRIAD SOLVING PROGRAM		
E 36277A (C801)	DIMIS : X-Y AXIS SEGMENT PROGRAM	S 36557A (C713)	VRRC : INVESTMENT STRATEGY ANALYSIS
*E 36278A (C801)	SYSSOL : SOLVING SYSTEMS OF LINEAR EQUATIONS	S 36558A (C904)	VSUH : DISPLAY ROUTINE USING TEKTRONIX 4010
*T 36279A (F108)	JULI : ONE PAGE JULIAN CALENDAR	T 36559A (C904)	VTTT : TIC-TAC-TOE ON THE TEKTRONIX 4010 DISPLAY TERMINAL
*T 36282A (F720)	COLREG : COLLEGE REGISTRATION DEMO		
*T 36284A (F102)	MESSAG : INTERFERENTIAL COMMUNICATOR	*T 36601A (A903)	DRAG : SIMULATES A DRAG RACE
*T 36287A (F212)	DATA : DUMPS FILE TO DATA STATEMENTS	*E 36602A (F801)	TRUTH : TRUTH TABLES FOR BOOLEAN EXPRESSIONS
*T 36288A (F108)	CALNDR : PRINTS A CALENDAR	*E 36603A (F833)	ALERA : PROPAGATION OF ERROR
*T 36292A (A107)	ALPHA : ALPHANUMERIC SORT	*E 36604A (F860)	CHARGE : CHARGE ACCOUNT SIMULATION
*T 36293A (F513)	ACTFIL : ACTIVE FILTER DESIGN	*T 36606A (F407)	FISHER : FISHER'S EXACT PROBABILITY TEST
*T 36294A (A410)	ANCOV : ANALYSIS OF COVARIANCE	*T 36607A (F410)	STAT19 : KHUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE
*E 36295A (F833)	CHEM : SELF-CORRECTING CHEMISTRY TEST		
*T 36296A (F104)	ALFTOV : ALPHA TO VARIABLE CONVERSION	*H 36611A (A833)	MEMBR : DIFFUSION EXPERIMENT
*T 36297A (F104)	TIMER : TIME OF THE DAY	*H 36613A (A833)	ATWT : CALCULATES ATOMIC WEIGHT
*T 36299A (F104)	DATER : DATE AND DAY OF THE WEEK	*H 36614A (A833)	AVOGA : AVOGADRA'S NUMBER
*T 36299A (F904)	PRINT : GENERATES LARGE LETTERS	*H 36615A (A833)	EMPIR : CALCULATES EMPIRICAL FORMULAS
H 36300A (S833)	DROS : GENETIC CHARACTERISTICS	*H 36616A (A833)	MOLAR : ACID-BASE TITRATION
H 36301A (S833)	EVOLU : NATURAL SELECTION EXPERIMENT	*H 36617A (A833)	PHPOH : PH, POH, PCT, DIOSIATION CURVE
H 36302A (S833)	GAMGN : PROCESS OF GEMETOGENESIS	*H 36618A (A833)	STOICH : MASS VOLUME
H 36303A (S833)	NZYMC : ENZYMIC REACTION RATES	*H 36620A (A801)	CVAREA : AREA UNDER CURVE
H 36304A (S833)	NZYM2 : ENZYME REACTION RATE	*H 36622A (A801)	LIMSIN : LIMIT OF (SIN X)/X
H 36305A (S833)	PHOSYN : PHOTOSYNTHESIS EXPERIMENT	*H 36623A (A801)	PI : CALCULATES PI
H 36306A (S833)	DECAY1 : RADIOACTIVE DECAY GAME	*H 36625A (A801)	ROOTS2 : QUADRATIC EQUATION SOLVER
H 36307A (S833)	DECAY2 : NUCLEAR DECAY	*H 36626A (A801)	SLOPE : FINDS DERIVATIVES
H 36308A (S833)	EQUIL1 : EQUILIBRIUM SYSTEMS	*H 36627A (A801)	SQRT : FINDS SQUARE ROOT
H 36308A (S833)	EQUIL2 : EQUILIBRIUM SYSTEMS	*H 36628A (A801)	STATAL : ARITHMETIC MEAN
H 36309A (S833)	KINET : KINETIC REACTION	*H 36629A (A833)	EFIELD : ELECTRIC FIELD STRENGTH
H 36310A (A833)	MASSD : MASS DEFECT	*H 36630A (A833)	LENSES : SOLVES LENS PROBLEMS
H 36311A (S833)	PRCNT : PERCENT COMPOSITION	*H 36631A (A833)	PRJTL : PROJECTILE MOTION
H 36312A (S833)	BFIELD : MAGNETIC FIELD PICTURE	*H 36632A (A830)	CIRFLW : CIRCULAR FLOW MODEL
H 36313A (S833)	BOHR : ENERGY LEVEL DIAGRAM	*T 36635A (F514)	METRIC : CONVERTS ENGLISH TO METRIC
H 36314A (S833)	CALORI : CALORIMETRY EXPERIMENT	*T 36638A (F709)	CTC6 : CTC ACCOUNTS PAYABLE
H 36315A (S833)	KINERV : REVIEW OF KINEMATICS	*H 36639A (F833)	POLUT : WATER POLLUTION SIMULATION
H 36316A (S833)	NEWTN2 : NEWTON'S 2ND LAW	*H 36640A (F860)	POLSYS : SIMULATION OF CITY COUNCIL
H 36317A (S833)	PHOTEL : PHOTOELECTRIC EFFECT	*H 36641A (F833)	STERL : FLY POPULATION CONTROL
H 36318A (S833)	PHOTON : ENERGY LEVEL PROBLEM	*H 36642A (F833)	GENE1 : GENETICS SIMULATION
H 36319A (S833)	REFLCT : LEAST TIME PRINCIPLE AND LIGHT	T 72050A (B904)	HPLOTB : AUTOMATIC PLOTTING PROGRAM FOR THE HP 2000B
H 36320A (S833)	SNELL : SNELL'S LAW	T 72051A (C904)	HPLOT : AUTOMATIC PLOTTING PROGRAM
H 36321A (S833)	SPACE : SPACECRAFT ORBITS		
H 36322A (S833)	VFIELD : POTENTIAL FIELD PICTURE		
H 36323A (S833)	VLOCTY : INSTANTANEOUS VELOCITY		

