

1 of 7

COMPUTER CONVERSATIONS (1965)

OK

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3

(HOW DO YOU DO. I AM THE DOCTOR. PLEASE SIT DOWN AT THE TYPEWRITER 000010  
 AND TELL ME YOUR PROBLEM.) 000020  
 (IF 3 ((O IF O) (DO YOU THINK ITS LIKELY THAT 3) (DO YOU WISH THAT 3) 000030  
 (WHAT DO YOU THINK ABOUT 3) (REALLY, 2 3))) 000040  
 (MEMORY MY (O YOUR O = LETS DISCUSS FURTHER WHY YOUR 3) 000050  
 (O YOUR O = EARLIER YOU SAID YOUR 3) 000060  
 (O YOUR O = BUT YOUR 3) 000070  
 (O YOUR O = DOES THAT HAVE ANYTHING TO DO WITH THE FACT THAT YOUR 3)) 000080  
 (NONE ((O) (I AM NOT SURE I UNDERSTAND YOU FULLY) 000090  
 (PLEASE GO ON) 000100  
 (WHAT DOES THAT SUGGEST TO YOU) 000110  
 (DO YOU FEEL STRONGLY ABOUT DISCUSSING SUCH THINGS))) 000120  
 (PERHAPS ((O) (YOU DON'T SEEM QUITE CERTAIN) 000130  
 (WHY THE UNCERTAIN TONE) 000140  
 (CAN'T YOU BE MORE POSITIVE) 000150  
 (YOU AREN'T SURE))) 000180  
 (MAYBE (=PERHAPS)) 000190  
 (DON'T YOU KNOW) 000200  
 (AM = ARE ((O ARE YOU O) (DO YOU BELIEVE YOU ARE 4) 000210  
 (WOULD YOU WANT TO BE 4) (YOU WISH I WOULD TELL YOU YOU ARE 4) 000220  
 (WHAT WOULD IT MEAN IF YOU WERE 4)) 000230  
 ((O) (WHY DO YOU SAY 'AM') (I DON'T UNDERSTAND THAT))) 000240  
 (ARE = AM ((O AM I O) 000250  
 (WHY ARE YOU INTERESTED IN WHETHER I AM 4 OR NOT) 000260  
 (WOULD YOU PREFER IF I WEREN'T 4) (PERHAPS I AM 4 IN YOUR 000270  
 FANTASIES) (DO YOU SOMETIMES THINK I AM 4)) 000280  
 ((O AM O) (DID YOU THINK THEY MIGHT NOT BE 3) 000290  
 (WOULD YOU LIKE IT IF THEY WERE NOT 3) (WHAT IF THEY WERE NOT 3) 000300  
 (POSSIBLY THEY ARE 3)) ) 000310  
 (YOUR = MY ((O MY O) (WHY ARE YOU CONCERNED OVER MY 3) 000320  
 (WHAT ABOUT YOUR OWN 3) (ARE YOU WORRIED ABOUT SOMEONE ELSE'S 3) 000330  
 (REALLY, MY 3))) 000340  
 (WAS = WERE) 000350  
 (WERE = WAS) 000360  
 (ME = YOU) 000370  
 (YOU'RE = I'M) 000380  
 (I'M = YOU'RE) 000390  
 (MYSELF = YOURSELF) 000400  
 (YOURSELF = MYSELF) 000410  
 (MOTHER DLIST(/NOUN FAMILY)) 000420  
 (FATHER DLIST(/NOUN FAMILY)) 000430  
 (SISTER DLIST(/FAMILY)) 000440  
 (BROTHER DLIST(/FAMILY)) 000450  
 (WIFE DLIST(/FAMILY)) 000460  
 (CHILDREN DLIST(/FAMILY)) 000470  
 (I = YOU ((O YOU ARE O I O) 000480  
 (PERHAPS YOU ARE 4 SOMEONE ELSE) 000490  
 (ARE YOU 4 ANYONE) (ARE YOU 4 ANYONE IN YOUR FAMILY) 000500  
 (PERHAPS YOU WISH I WERE 4 YOU 6)) 000510  
 ((O YOU ARE O) 000520  
 (IS IT BECAUSE YOU ARE 4 THAT YOU CAME TO ME) 000530  
 (HOW LONG HAVE YOU BEEN 4) 000540  
 (DO YOU BELIEVE IT NORMAL TO BE 4) 000550  
 (DO YOU ENJOY BEING 4)) 000560  
 ((O YOU CAN'T O) (HOW DO YOU KNOW YOU CAN'T 4) 000570  
 (HAVE YOU TRIED) 000580  
 (PERHAPS YOU COULD 4 NOW) 000590  
 (DO YOU REALLY WANT TO BE ABLE TO 4)) 000600  
 ((O YOU DON'T O)(DON'T YOU REALLY 4)(WHY DON'T YOU 4) 000610

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(DO YOU WISH TO BE ABLE TO 4) (DOES THAT TROUBLE YOU))	000620
((O YCU FEEL O) (TELL ME MORE ABOUT SUCH FEELINGS)	000630
(DO YOU OFTEN FEEL 4)	000640
(DO YOU ENJOY FEELING 4)	000650
(OF WHAT DOES FEELING 4 REMIND YOU))	000660
((O YOU O I O) (PERHAPS IN YOUR FANTASY WE 3 EACH OTHER)	000670
(DO YOU WISH TO 3 ME)	000680
(YOU SEEM TO NEED TO 3 ME)	000690
(DO YOU 3 ANYONE ELSE))	000700
((O) (YOU SAY 1)	000710
(CAN YOU ELABORATE ON THAT) (DO YOU SAY 1 FOR SOME SPECIAL REASON)	000720
(THAT'S QUITE INTERESTING))	000730
(YOU = I ((O I O YOU O)	000740
(WHY DO YOU THINK I 3 YOU)	000750
(DID YOUR PARENTS 3 YOU))	000760
((O I AM O) (WHAT MAKES YOU THINK I AM 4)	000770
(DOES IT PLEASE YOU TO BELIEVE I AM 4)	000780
(DO YOU SOMETIMES WISH YOU WERE 4)	000790
(PERHAPS YOU WOULD LIKE TO BE 4))	000800
((O I O) (WE WERE DISCUSSING YOU - NOT ME)	000810
(OH, I 3) (YOU'RE NOT REALLY TALKING ABOUT ME - ARE YOU)	000820
(WHAT ARE YOUR FEELINGS NOW))	000830
(YES ((O) (YOU SEEM QUITE POSITIVE) (YOU ARE SURE)	000840
(I SEE) (I UNDERSTAND))	000850
(NO ((O) (ARE YOU SAYING 'NO' JUST TO BE NEGATIVE)	000860
(YOU ARE BEING A BIT NEGATIVE) (WHY NOT) (WHY 'NO'))	000870
(MY = YOUR ((O YOUR O (/FAMILY) O)	000880
(TELL ME MORE ABOUT YOUR FAMILY) ( WHO ELSE IN YOUR FAMILY	000890
5) (YCUR 4) (WHAT ELSE COMES TO MIND WHEN YOU THINK OF	000900
YOUR 4))	000910
((O YOUR O) (YOUR 3) (WHY DO YOU SAY YOUR 3) (DOES THAT	000920
SUGGEST ANYTHING ELSE WHICH BELONGS TO YOU) (IS IT	000930
IMPORTANT TO YOU THAT 2 3))	000940
(CAN ((O CAN I O) (YOU BELIEVE I CAN 4 DON'T YOU)	000950
(YOU WANT ME TO BE ABLE TO 4) (PERHAPS YOU WOULD LIKE TO BE	000960
ABLE TO 4 YOURSELF)) ((O CAN YOU O) (WHETHER OR NOT YOU CAN 4	000970
DEPENDS ON YOU MORE THAN ON ME) (DO YOU WANT TO BE ABLE TO 4)	000980
(PERHAPS YOU DON'T WANT TO 4))	000990
(WHAT ((O) (WHY DO YOU ASK) (DOES THAT QUESTION INTEREST YOU)	001000
(WHAT IS IT YOU REALLY WANT TO KNOW))	001010
(BECAUSE ((O) (IS THAT THE REAL REASON) (DON'T ANY OTHER REASONS	001020
COME TO MIND) (DOES THAT REASON SEEM TO EXPLAIN ANYTHING ELSE)	001030
(WHAT OTHER REASONS MIGHT THERE BE))	001040
(WHY ((O WHY DON'T I O) (DO YOU BELIEVE I DON'T 5) (PERHAPS I	001050
WILL 5 IN GOOD TIME) (SHOULD YOU 5 YOURSELF) (YOU WANT ME TO 5))	001060
((O WHY CAN'T YOU O) (DO YOU THINK YOU SHOULD BE ABLE TO 5)	001070
(DO YOU WANT TO BE ABLE TO 5) (DO YOU BELIEVE THIS WILL HELP YOU	001080
TO 5) (HAVE YOU ANY IDEA WHY YOU CAN'T 5))	001090
((O WHY O) (WHY DO YOU THINK 3) (IS IT TRUE THAT 3)	001100
(DOES THAT QUESTION INTEREST YOU) (DO YOU WORRY MUCH ABOUT WHY 3))	001110
(EVERYONE 2 ((O) (REALLY, EVERYONE) (CAN YOU THINK OF	001120
ANYONE IN PARTICULAR) (WHO, FOR EXAMPLE) (YOU ARE THINKING OF	001130
A VERY SPECIAL PERSON)	001140
(WHC, MAY I ASK) (SOMEONE SPECIAL PERHAPS)	001150
(YOU HAVE A PARTICULAR PERSON IN MIND, DON'T YOU) (WHO DO YOU	001160
THINK YOU'RE TALKING ABOUT))	001170
(EVERYBODY 2 (= EVERYONE))	001180
(NOBODY 2 (=EVERYONE))	001190
(NOONE 2 (=EVERYONE))	001200
(ALWAYS I ((O) (CAN YOU THINK OF A SPECIFIC EXAMPLE) (WHEN)	001210
(WHAT INCIDENT ARE YOU THINKING OF) (REALLY, ALWAYS))	001220

( ) 001230

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PRINT,T0109,2531,SPEAK,MAD

T0109 2531

1748.8

03/06

CHANGE MAD

	EXTERNAL FUNCTION (KEY,MYTRAN)	000010
	NORMAL MODE IS INTEGER	000020
	ENTRY TO CHANGE.	000030
	LIST.(INPUT)	000040
	V'S G(1)=\$TYPE\$, \$SUBST\$, \$APPEND\$, \$ADD\$,	000050
	1\$START\$, \$RANK\$, \$DISPLA\$	000060
	V'S SNUMB = \$ I3 *\$	000070
	FII=0	000080
CHANGE	PRINT COMMENT \$PLEASE INSTRUCT ME\$	001400
	LISTRD.(MTLIST.(INPUT),0)	001410
	JOB=POPTOP.(INPUT)	001420
IDENT	T'H IDENT, FOR J=1,1, J.G. 7	001430
	W'R G(J) .E. JOB, T'O THEMA	001440
	PRINT COMMENT \$CHANGE NOT RECOGNIZED\$	001450
	T'O CHANGE	001460
THEMA	W'R J .E. 5, F'N IRALST.(INPUT)	001470
	W'R J .E. 7	001480
	T'H DISPLA, FOR I=0,1, I .G. 32	001490
	W'R LISTMT.(KEY(I)) .E. 0, T'O DISPLA	001500
READ(7)	S=SEQRDR.(KEY(I))	001510
	NEXT=SEQLR.(S,F)	001520
	W'R F .G. 0, T'O DISPLA	001530
	PRINT COMMENT \$\$\$	001540
	TPRINT.(NEXT,0)	001550
	PRINT FORMAT SNUMB,I	001560
	PRINT COMMENT \$ \$	001570
DISPLA	T'O READ(7)	001580
	CONTINUE	001590
	PRINT COMMENT \$ \$	001600
	PRINT COMMENT \$MEMORY LIST FOLLOWS\$	001610
	PRINT COMMENT \$ \$	001620
MEMLST	T'H MEMLST, FOR I=1, 1, I .G. 4	001630
	TXTPRD.(MYTRAN(I),0)	001640
	T'O CHANGE	001650
	E*L	001660
	THEME=POPTOP.(INPUT)	001670
	SUBJCT=KEY(HASH.(THEME,5))	001680
LOOK	S=SEQRDR.(SUBJCT)	001690
	TERM=SEQLR.(S,F)	001700
	W'R F .G. 0, T'O FAIL	001710
	W'R TOP.(TERM) .E. THEME, T'O FOUND	001720
	T'O LOOK	001730
FOUND	T'O DELTA(J)	001740
DELTA(1)	TPRINT.(TERM,0)	001750
	T'O CHANGE	001760
FAIL	PRINT COMMENT \$LIST NOT FOUND\$	001770
	T'O CHANGE	001780
DELTA(2)	S=SEQRDR.(TERM)	001790
READ(1)	OLD=POPTOP.(INPUT)	001800
	OBJCT=SEQLR.(S,F)	001810
	W'R F .G. 0, T'O FAIL	001820
	W'R F .NE. 0, T'O READ(1)	001830
READ(2)	INSIDE=SEQRDR.(OBJCT)	001840
	IT=SEQLR.(INSIDE,F)	001850
	W'R F .G. 0, T'O READ(1)	001860
	SIT=SEQRDR.(IT)	001870
	SOLD=SEQRDR.(OLD)	001880
ITOLD	TOLD=SEQLR.(SOLD,FOLD)	001890



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	DIT=SEQLR.(SIT,FIT)	001900
	W'R TOLD .E. DIT .AND. FOLD .LE. 0,T'O ITOLD	001910
	W'R FOLD .G. 0, T'O OK(J)	001920
	T'O READ(2)	001930
OK(2)	SUBST.(PCPTOP.(INPUT),LSPNTR.(INSIDE))	001940
	T'O CHANGE	001950
OK(3)	NEWBOT.(POPTOP.(INPUT),OBJCT)	001960
	T'O CHANGE	001970
DELTA(3)	T'O DELTA(2)	001980
DELTA(4)	W'R NAMTST.(BOT.(TERM)) .E. 0	001990
	BOTTOM=POPBOT.(TERM)	002000
	NEWBOT.(POPTOP.(INPUT),TERM)	002010
	NEWBOT.(BOTTOM,TERM)	002020
	O'E	002030
	NEWBOT.(POPTOP.(INPUT),TERM)	002040
	E'L	002050
	T'O CHANGE	002060
DELTA(6)	S=SEQRDR.(TERM)	002070
READ(6)	OBJCT=SEQLR.(S,F)	002080
	W'R F .G. 0, T'O FAIL	002090
	W'R F .NE. 0, T'O READ(6)	002100
	OBJCT=SEQLL.(S,F)	002110
	W'R LNKL.(OBJCT) .E. 0	002120
	SUBST.(POPTOP.(INPUT),LSPNTR.(S))	002130
	O'E	002140
	NEWTOP.(POPTOP.(INPUT),LSPNTR.(S))	002150
	E'L	002160
	T'O CHANGE	002170
	R * * * * * END OF MODIFICATION ROUTINE	002180
	E*N	002200
	TPRINT MAD	
	EXTERNAL FUNCTION (LST)	000010
	NORMAL MODE IS INTEGER	000020
	ENTRY TO TPRINT.	000030
	SA=SEQRDR.(LST)	000040
	LIST.(OUT)	000050
READ	NEXT=SEQLR.(SA,FA)	000060
	W'R FA .G. 0, T'O P	000070
	W'R FA .E. 0, T'O B	000090
	POINT=NEWBOT.(NEXT,OUT)	000100
	W'R SA .L. 0, MRKNEG.(POINT)	000110
	T'O READ	000120
B	TXTPRT.(OUT,0)	000130
	SEQLL.(SA,FA)	000140
MORE	NEXT=SEQLR.(SA,FA)	000150
	W'R TOP.(NEXT) .E. \$=\$	000160
	TXTPRT.(NEXT,0)	000170
	T'O MORE	000180
	E'L	000190
	W'R FA .G. 0, T'O DONE	000200
	PRINT COMMENT \$ \$	000210
	SB=SEQRDR.(NEXT)	000220
MEHR	TERM=SEQLR.(SB,FB)	000230
	W'R FB .L.0	000240
	PRINT ON LINE FORMAT NUMBER, TERM	000250
	V'S NUMBER = \$I3 *\$	000260
	T'O MEHR	000270
	E'L	000280
	W'R FB .G. 0, T'O MORE	000290
	TXTPRT.(TERM,0)	000300
	T'O MEHR	000310

	TXTPRT.(OUT,0)	000320
P	IRALST.(OUT)	000330
DONE	F*N	000340
	E*N	000350
	LPRINT MAD	
	EXTERNAL FUNCTION (LST,TAPE)	006340
	NORMAL MODE IS INTEGER	006350
	ENTRY TO LPRINT.	006360
	BLANK = \$ \$	006370
	EXECUTE PLACE.(TAPE,0)	006380
	LEFTP = 606074606060K	006390
	RIGHTP = 606034606060K	006400
	BOTH = 607460603460K	006410
	EXECUTE NEWTOP.(SEQRDR.(LST),LIST.(STACK))	006420
	S=POPTOP.(STACK)	006430
BEGIN	EXECUTE PLACE.(LEFTP,1)	006440
NEXT	WORD=SEQLR.(S,FLAG)	006450
	W'R FLAG .L. 0	006460
	EXECUTE PLACE.(WORD,1)	006470
	W'R S .G. 0, PLACE.(BLANK,1)	006480
	T'O NEXT	006490
	OR W'R FLAG .G. 0	006500
	EXECUTE PLACE.(RIGHTP,1)	006510
	W'R LISTMT.(STACK) .E. 0, T'O DONE	006520
	S=POPTOP.(STACK)	006530
	T'O NEXT	006540
	OTHERWISE	006550
	W'R LISTMT.(WORD) .E. 0	006560
	EXECUTE PLACE.(BOTH,1)	006570
	T'O NEXT	006580
	OTHERWISE	006590
	EXECUTE NEWTOP.(S,STACK)	006600
	S=SEQRDR.(WORD)	006610
	T'O BEGIN	006620
	E'L	006630
	E'L	006640
DONE	EXECUTE PLACE.(0,-1)	006650
	EXECUTE IRALST.(STACK)	006660
	FUNCTION RETURN LST	006670
	END OF FUNCTION	006680
	TESTS MAD	
	EXTERNAL FUNCTION(CAND,S)	000010
	NORMAL MODE IS INTEGER	000020
	DIMENSION FIRST(5),SECOND(5)	000030
	ENTRY TO TESTS.	000040
	STORE=S	000050
	READER=SEQRDR.(CAND)	000060
	T'H ONE, FOR I=0,1, I .G. 100	000070
	FIRST(I)=SEQLR.(READER,FR)	000080
ONE	W'R READER .G. 0, T'O ENDCNE	000090
ENDCNE	SEQLL.(S,F)	000100
	T'H TWO, FOR J=0,1, J .G. 100	000110
	SECOND(J)=SEQLR.(S,F)	000120
TWO	W'R S .G. 0, T'O ENDTWO	000130
ENDTWO	W'R I .NE. J, F*N 0	000140
	T'H LOOK, FOR K=0,1, K.G. J	000150
LOOK	W'R FIRST(K) .NE. SECOND(K), F*N 0	000170
	EQL=SEQLR.(READER,FR)	000180
	W'R EQL .NE. \$=\$	000190
	SEQLL.(READER,FR)	000200
	F*N READER	000210



	O'E	000220
	POINT=LNKL.(STORE)	000230
	T'H DELETE , FOR K=0,1, K .G. J	000240
	REMOVE.(LSPNTR.(STORE))	000250
DELETE	SEQLR.(STORE,F)	000260
INSRT	NEW=SEQLR.(READER,FR)	000270
	POINT=NEWTOP.(NEW,POINT)	000280
	MRKNEG.(POINT)	000290
	W'R READER .L. 0, T'O INSRT	000300
	MRKPOS.(POINT)	000310
	F'N READER	000320
	E'L	000330
	E'N	000340
	DCCBCD MAD	
	EXTERNAL FUNCTION (A,B)	000010
	NORMAL MODE IS INTEGER	000020
	ENTRY TO FRBCD.	000030
	W'R LNKL.(A) .E. 0, T'O NUMBER	000040
	B=A	000050
NUMBER	F'N 0	000060
	K=A*262144	000070
	B=BCDIT.(K)	000080
	F'N 0	000090
	E'N	000100
	ELIZA MAD	
	NORMAL MODE IS INTEGER	000010
	DIMENSION KEY(32),MYTRAN(4)	000020
	INITAS.(0)	000030
	PRINT COMMENT \$WHICH SCRIPT DO YOU WISH TO PLAY\$	000060
	READ FORMAT SNUMB,SCRIPT	000070
	LIST.(TEST)	000080
	LIST.(INPUT)	000090
	LIST.(OUTPUT)	000100
	LIST.(JUNK)	000110
	LIMIT=1	000120
	LSSCPY.(TREAD.(INPUT,SCRIPT),JUNK)	000130
MLST	MTLIST.(INPUT)	000140
	T'H MLST, FOR I=1,1, I .G. 4	000150
	LIST.(MYTRAN(I))	000160
	MINE=0	000170
	LIST.(MYLIST)	000180
KEYLST	T'H KEYLST, FOR I=0,1, I .G. 32	000220
	LIST.(KEY(I))	000230
BEGIN	R * * * * * READ NEW SCRIPT	000240
	MTLIST.(INPUT)	000250
	NODLST.(INPUT)	000260
	LISTRD.(INPUT,SCRIPT)	000270
	W'R LISTMT.(INPUT) .E. 0	000280
	TXTPT.(JUNK,0)	000290
	MTLIST.(JUNK)	000300
	T'O START	000310
	E'L	000320
	W'R TOP.(INPUT) .E. \$NONE\$	000330
	NEWTOP.(LSSCPY.(INPUT,LIST.(9)),KEY(32))	000340
	T'O BEGIN	000350
	OR W'R TOP.(INPUT) .E. \$MEMORY\$	000360
	POPTOP.(INPUT)	000370
	MEMORY=POPTOP.(INPUT)	000380
MEM	T'H MEM, FOR I=1,1, I .G. 4	000390
	LSSCPY.(POPTOP.(INPUT),MYTRAN(I))	000400
	T'O BEGIN	000410

	O'E	000420
	NEWBOT.(LSSCPY.(INPUT,LIST.(9)),KEY(HASH.	000430
1	(TOP.(INPUT),5)))	000440
	T'O BEGIN	000450
	E'L	000460
START	R * * * * * BEGIN MAJOR LOOP	000470
	TREAD.(MTLIST.(INPUT),0)	000480
	KEYWRD=0	000490
	PREDNC=0	000500
	LIMIT=LIMIT+1	000510
	W'R LIMIT .E. 5, LIMIT=1	000520
	W'R LISTMT.(INPUT) .E. 0, T'O ENDPLA	000530
	IT=0	000540
	W'R TOP.(INPUT) .E. \$+\$	000550
	CHANGE.(KEY,MYTRAN)	000560
	T'O START	000570
	E'L	000580
	W'R TOP.(INPUT) .E. \$*\$, T'O NEWLST	000590
NOTYET	S=SEQRDR.(INPUT)	000600
	W'R S .L. 0	000610
	SEQLR.(S,F)	000620
	T'O NOTYET	000630
	O'E	000640
	WORD=SEQLR.(S,F)	000650
	W'R WORD .E. \$.\$ .OR. WORD .E. \$,\$ .OR. WORD .E. \$BUT\$	000660
	W'R IT .E. 0	000670
	NULSTL.(INPUT,LSPNTR.(S),JUNK)	000680
	MTLIST.(JUNK)	000690
	T'O NOTYET	000700
	O'E	000710
	NULSTR.(INPUT,LSPNTR.(S),JUNK)	000720
	MTLIST.(JUNK)	000730
	T'O ENDTXT	000740
	E'L	000750
	E'L	000760
	E'L	000770
	W'R F .G. 0, T'O ENDTXT	000780
	I=HASH.(WORD,5)	000790
	SCANNER=SEQRDR.(KEY(I))	000800
	SF=0	000810
SEARCH	T'H SEARCH, FOR J=0,0, SF .G. 0	000820
KEYFND	CAND= SEQLR.(SCANNER,SF)	000830
	W'R SF .G. 0, T'O NOTYET	000840
	W'R TOP.(CAND) .E. WORD, T'O KEYFND	000850
	READER=TESTS.(CAND,S)	000860
	W'R READER .E. 0, T'O NOTYET	000870
	W'R LSTNAM.(CAND) .NE. 0	000880
SEQ	DL=LSTNAM.(CAND)	000890
	W'R S .L. 0	000900
	SEQLR.(S,F)	000910
	T'O SEQ	000920
	O'E	000930
	NEWTOP.(DL,LSPNTR.(S))	000940
	E'L	000950
	O'E	000960
	E'L	000970
	NEXT=SEQLR.(READER,FR)	000980
	W'R FR .G. 0, T'O NOTYET	000990
	W'R IT .E. 0 .AND. FR .E. 0	001000
PLCKEY	IT=READER	001010
	KEYWRD=WORD	001020



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OR W'R FR .L. 0 .AND. NEXT .G. PREDNC          001030
PREDNC=NEXT                                    001040
NEXT=SEQLR.(READER,FR)                        001050
T'O PLCKEY                                     001060
O'E                                             001070
T'O NOTYET                                     001080
E'L                                             001090
T'O NOTYET                                     001100
R* * * * * END OF MAJOR LOOP                   001110
ENDTXT W'R IT .E. 0                             001120
W'R LIMIT .E. 4 .AND. LISTMT.(MYLIST) .NE. 0  001130
OUT=POPTOP.(MYLIST)                           001140
TXTPRT.(OUT,0)                                 001150
IRALST.(OUT)                                  001160
T'O START                                     001170
O'E                                             001180
ES=BOT.(TOP.(KEY(32)))                         001190
T'O TRY                                        001200
E'L                                             001210
OR W'R KEYWRD .E. MEMORY                       001220
I=HASH.(BOT.(INPUT),2)+1                      001230
NEWBOT.(REGEL.(MYTRAN(I),INPUT,LIST.(MINE)),MYLIST) 001240
SEQLL.(IT,FR)                                  001250
T'O MATCH                                     001260
O'E                                             001270
SEQLL.(IT,FR)                                  001280
R* * * * * MATCHING ROUTINE                   001290
MATCH ES=SEQLR.(IT,FR)                         001300
W'R TOP.(ES) .E. $=$                          001310
S=SEQRDR.(ES)                                 001320
SEQLR.(S,F)                                   001330
WORD=SEQLR.(S,F)                             001340
I=HASH.(WORD,5)                              001350
SCANER=SEQRDR.(KEY(I))                       001360
ITS=SEQLR.(SCANER,F)                         001370
W'R F .G. 0, T'O NOMACH(LIMIT)                001380
W'R WORD .E. TOP.(ITS)                       001390
S=SEQRDR.(ITS)                               001400
ES=SEQLR.(S,F)                               001410
SCANI W'R F .NE. 0, T'O SCANI                  001420
IT=S                                           001430
T'O TRY                                        001440
O'E                                             001450
T'O SCAN                                       001460
E'L                                             001470
E'L                                             001480
TRY W'R FR .G. 0, T'O NOMACH(LIMIT)            001490
W'R YMATCH.(TOP.(ES),INPUT,MLIST.(TEST)) .E. 0,T'O MATCH 001500
ESRDR=SEQRDR.(ES)                             001510
SEQLR.(ESRDR,ESF)                             001520
POINT=SEQLR.(ESRDR,ESF)                      001530
POINTR=LSPNTR.(ESRDR)                        001540
W'R ESF .E. 0                                 001550
NEWBOT.(1,POINTR)                             001560
TRANS=POINT                                    001570
T'O HIT                                       001580
O'E                                             001590
FNDHIT T'H FNDHIT, FOR I=0,1, I .G. POINT     001600
TRANS=SEQLR.(ESRDR,ESF)                      001610
W'R ESF .G. 0                                 001620
SEQLR.(ESRDR,ESF)                            001630

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SEQLR.(ESRDR,ESF)                            001640
TRANS=SEQLR.(ESRDR,ESF)                      001650
SUBST.(1,POINTR)                              001660
T'O HIT                                       001670
O'E                                             001680
SUBST.(POINT+1,POINTR)                       001690
T'O HIT                                       001700
E'L                                             001710
E'L                                             001720
HIT TXTPRT.(ASSMBL.(TRANS,TEST,MLIST.(OUTPUT)),0) 001730
T'O START                                     001740
E'L                                             001750
NEWLST R* * * * * INSERT NEW KEYWORD LIST     001760
POPTOP.(INPUT)                                001770
NEWBOT.(LSSCPY.(INPUT,LIST.(9)),KEY(HASH.  001780
1(TOP.(INPUT),5)))                            001790
T'O START                                     001800
ENDPLA R* * * * * DUMP REVISED SCRIPT        001810
PRINT COMMENT $WHAT IS TO BE THE NUMBER OF THE NEW SCRIPT$ 001820
READ FORMAT SNUMB,SCRIPT                      001830
LPRINT.(INPUT,SCRIPT)                        001840
NEWTOP.(MEMORY,MLIST.(OUTPUT))               001850
NEWTOP.($MEMORY$,OUTPUT)                     001860
T'H DUMP, FOR I=1,1, I .G. 4                 001870
NEWBOT.(MYTRAN(I),OUTPUT)                    001880
LPRINT.(OUTPUT,SCRIPT)                       001890
MLIST.(OUTPUT)                               001900
DUMP T'H WRITE, FOR I=0,1, I .G. 32          001910
W'R LISTMT.(KEY(I)) .E. 0, T'O WRITE          001920
LPRINT.(POPTOP.(KEY(I)),SCRIPT)              001930
T'O POPMOR                                    001940
WRITE CONTINUE                                001950
LPRINT.(MLIST.(INPUT),SCRIPT)                001960
EXIT.                                         001970
NOMACH(1) R* * * * * SCRIPT ERROR EXIT       001980
PRINT COMMENT $PLEASE CONTINUE $             002200
T'O START                                     002210
NOMACH(2) PRINT COMMENT $HMMM $               002220
T'O START                                     002230
NOMACH(3) PRINT COMMENT $GO ON , PLEASE $    002240
T'O START                                     002250
NOMACH(4) PRINT COMMENT $I SEE $             002260
T'O START                                     002270
VECTOR VALUES SNUMB= $I3 * $               002280
E'M                                           002290

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PRINT,T0109,2531,.TAPE.,100

T0109 2531

1748.8

03/06

(HOW DO YOU DO. I AM THE DOCTOR. PLEASE SIT DOWN AT THE TYPEWRITER	000010
AND TELL ME YOUR PROBLEM.)	000020
(IF 3 ((O IF O) (DO YOU THINK ITS LIKELY THAT 3) (DO YOU WISH THAT 3)	000030
(WHAT DO YOU THINK ABOUT 3) (REALLY, 2 3)))	000040
(HOW (=WHAT))	000050
(WHEN (=WHAT))	000060
(MEMORY MY (O YOUR O = LETS DISCUSS FURTHER WHY YOUR 3)	000070
(O YOUR O = EARLIER YOU SAID YOUR 3)	000080
(O YOUR O = BUT YOUR 3)	000090
(O YOUR O = DOES THAT HAVE ANYTHING TO DO WITH THE FACT THAT YOUR 3))	000100
(NONE ((O) (I AM NOT SURE I UNDERSTAND YOU FULLY)	000110
(PLEASE GO ON)	000120
(WHAT DOES THAT SUGGEST TO YOU)	000130
(DO YOU FEEL STRONGLY ABOUT DISCUSSING SUCH THINGS)))	000140
(PERHAPS ((O) (YOU DON'T SEEM QUITE CERTAIN)	000150
(WHY THE UNCERTAIN TONE)	000160
(CAN'T YOU BE MORE POSITIVE)	000170
(YOU AREN'T SURE) (DON'T YOU KNOW)))	000180
(MAYBE (=PERHAPS))	000190
(AM = ARE ((O ARE YOU O) (DO YOU BELIEVE YOU ARE 4)	000210
(WOULD YOU WANT TO BE 4) (YOU WISH I WOULD TELL YOU YOU ARE 4)	000220
(WHAT WOULD IT MEAN IF YOU WERE 4))	000230
((O) (WHY DO YOU SAY 'AM') (I DON'T UNDERSTAND THAT)))	000240
(ARE = AM ((O AM I O)	000250
(WHY ARE YOU INTERESTED IN WHETHER I AM 4 OR NOT)	000260
(WOULD YOU PREFER IF I WEREN'T 4) (PERHAPS I AM 4 IN YOUR	000270
FANTASIES) (DO YOU SOMETIMES THINK I AM 4))	000280
((O AM O) (DID YOU THINK THEY MIGHT NOT BE 3)	000290
(WOULD YOU LIKE IT IF THEY WERE NOT 3) (WHAT IF THEY WERE NOT 3)	000300
(POSSIBLY THEY ARE 3))	000310
(YOUR = MY ((O MY O) (WHY ARE YOU CONCERNED OVER MY 3)	000320
(WHAT ABOUT YOUR OWN 3) (ARE YOU WORRIED ABOUT SOMEONE ELSE'S 3)	000330
(REALLY, MY 3)))	000340
(WAS = WERE)	000350
(WERE = WAS)	000360
(ME = YOU)	000370
(YOU'RE = I'M)	000380
(I'M = YOU'RE)	000390
(MYSELF = YOURSELF)	000400
(YOURSELF = MYSELF)	000410
(MOTHER DLIST(/NOUN FAMILY))	000420
(FATHER DLIST(/NOUN FAMILY))	000430
(SISTER DLIST(/FAMILY))	000440
(BROTHER DLIST(/FAMILY))	000450
(WIFE DLIST(/FAMILY))	000460
(CHILDREN DLIST(/FAMILY))	000470
(I = YOU ((O YOU ARE O I O)	000480
(PERHAPS YOU ARE 4 SOMEONE ELSE)	000490
(ARE YOU 4 ANYONE) (ARE YOU 4 ANYONE IN YOUR FAMILY)	000500
(PERHAPS YOU WISH I WERE 4 YOU 6))	000510
((O YOU ARE O)	000520
(IS IT BECAUSE YOU ARE 4 THAT YOU CAME TO ME)	000530
(HOW LONG HAVE YOU BEEN 4)	000540
(DO YOU BELIEVE IT NORMAL TO BE 4)	000550
(DO YOU ENJOY BEING 4))	000560
((O YOU CAN'T O) (HOW DO YOU KNOW YOU CAN'T 4)	000570
(HAVE YOU TRIED)	000580
(PERHAPS YOU COULD 4 NOW)	000590
(DO YOU REALLY WANT TO BE ABLE TO 4))	000600



((O YOU DON'T O)(DON'T YOU REALLY 4)(WHY DON'T YOU 4)	000610
(DO YOU WISH TO BE ABLE TO 4) (DOES THAT TROUBLE YOU))	000620
((O YOU FEEL O) (TELL ME MORE ABOUT SUCH FEELINGS)	000630
(DO YOU OFTEN FEEL 4)	000640
(DO YOU ENJOY FEELING 4)	000650
(OF WHAT DOES FEELING 4 REMIND YOU))	000660
((O YOU O I O) (PERHAPS IN YOUR FANTASY WE 3 EACH OTHER)	000670
(DO YOU WISH TO 3 ME)	000680
(YOU SEEM TO NEED TO 3 ME)	000690
(DO YOU 3 ANYONE ELSE))	000700
((O) (YOU SAY 1)	000710
(CAN YOU ELABORATE ON THAT) (DO YOU SAY 1 FOR SOME SPECIAL REASON)	000720
(THAT'S QUITE INTERESTING))	000730
(YOU = I ((O I O YOU O)	000740
(WHY DO YOU THINK I 3 YOU)	000750
(DID YOUR PARENTS 3 YOU))	000760
((O I AM O) (WHAT MAKES YOU THINK I AM 4)	000770
(DOES IT PLEASE YOU TO BELIEVE I AM 4)	000780
(DO YOU SOMETIMES WISH YOU WERE 4)	000790
(PERHAPS YOU WOULD LIKE TO BE 4))	000800
((O I O) (WE WERE DISCUSSING YOU - NOT ME)	000810
(OH, I 3) (YOU'RE NOT REALLY TALKING ABOUT ME - ARE YOU)	000820
(WHAT ARE YOUR FEELINGS NOW))	000830
(YES ((O) (YOU SEEM QUITE POSITIVE) (YOU ARE SURE)	000840
(I SEE) (I UNDERSTAND))	000850
(NO ((O) (ARE YOU SAYING 'NO' JUST TO BE NEGATIVE)	000860
(YOU ARE BEING A BIT NEGATIVE) (WHY NOT) (WHY 'NO'))	000870
(MY = YOUR ((O YOUR O (/FAMILY) O)	000880
(TELL ME MORE ABOUT YOUR FAMILY) ( WHO ELSE IN YOUR FAMILY	000890
5) (YOUR 4) (WHAT ELSE COMES TO MIND WHEN YOU THINK OF	000900
YOUR 4))	000910
((O YOUR O) (YOUR 3) (WHY DO YOU SAY YOUR 3) (DOES THAT	000920
SUGGEST ANYTHING ELSE WHICH BELONGS TO YOU) (IS IT	000930
IMPORTANT TO YOU THAT 2 3))	000940
(CAN ((O CAN I O) (YOU BELIEVE I CAN 4 DON'T YOU)	000950
(YOU WANT ME TO BE ABLE TO 4) (PERHAPS YOU WOULD LIKE TO BE	000960
ABLE TO 4 YOURSELF)) ((O CAN YOU O) (WHETHER OR NOT YOU CAN 4	000970
DEPENDS ON YOU MORE THAN ON ME) (DO YOU WANT TO BE ABLE TO 4)	000980
(PERHAPS YOU DON'T WANT TO 4))	000990
(WHAT ((O) (WHY DO YOU ASK) (DOES THAT QUESTION INTEREST YOU)	001000
(WHAT IS IT YOU REALLY WANT TO KNOW)	001010
(ARE SUCH QUESTIONS MUCH ON YOUR MIND)	001020
(WHAT ANSWER WOULD PLEASE YOU MOST)	001030
(WHAT DO YOU THINK) (WHAT COMES TO YOUR MIND WHEN YOU ASK THAT)	001040
(HAVE YOU ASKED SUCH QUESTION BEFORE)	001050
(HAVE YOU ASKED ANYONE ELSE))	001060
(BECAUSE ((O) (IS THAT THE REAL REASON) (DON'T ANY OTHER REASONS	001070
COME TO MIND) (DOES THAT REASON SEEM TO EXPLAIN ANYTHING ELSE)	001080
(WHAT OTHER REASONS MIGHT THERE BE))	001090
(WHY ((O WHY DON'T I O) (DO YOU BELIEVE I DON'T 5) (PERHAPS I	001100
WILL 5 IN GOOD TIME) (SHOULD YOU 5 YOURSELF) (YOU WANT ME TO 5))	001110
((O WHY CAN'T YOU O) (DO YOU THINK YOU SHOULD BE ABLE TO 5)	001120
(DO YOU WANT TO BE ABLE TO 5) (DO YOU BELIEVE THIS WILL HELP YOU	001130
TO 5) (HAVE YOU ANY IDEA WHY YOU CAN'T 5))	001140
(= WHAT))	001150
(EVERYONE 2 ((O) (REALLY, EVERYONE) (CAN YOU THINK OF	001160
ANYONE IN PARTICULAR) (WHO, FOR EXAMPLE) (YOU ARE THINKING OF	001170
A VERY SPECIAL PERSON)	001180
(WHO, MAY I ASK) (SOMEONE SPECIAL PERHAPS)	001190
(YOU HAVE A PARTICULAR PERSON IN MIND, DON'T YOU) (WHO DO YOU	001200
THINK YOU'RE TALKING ABOUT))	001210

(EVERYBODY 2 (= EVERYONE))	001220
(NOBODY 2 (=EVERYONE))	001230
(NOONE 2 (=EVERYONE))	001240
(ALWAYS 1 ((O) (CAN YOU THINK OF A SPECIFIC EXAMPLE) (WHEN)	001250
(WHAT INCIDENT ARE YOU THINKING OF) (REALLY, ALWAYS))	001260
( )	001270



7T0109 2531 030665 17.88 17.88 56 00.024

DPUNCH, T0112, 2949, TEST, FAP

T0112 2949

DPUNCH, T0112, 2949, TPROG, FAP

T0112 2949

DELETE, T0112, 2949, TEST, FAP

T0112 2949

DELETE, T0112, 2949, TPROG, FAP

T0112 2949

7T0112 2949 030665 17.88 17.88 56 00.001

STAT, T0134, 2533

T0134 2533

1411-3

hampshire

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INCORPORATED

FORMS

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