

John Collins

DECODE

proprietary

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3 .
5 .
7 :RETURN
10 Z=1;PRINT ;INPUT B
20 FOR I=1TO 16;@(I)=0;NEXT I
30 A=%(B);C=ABS(A)
40 FOR I=16TO 1STEP -1
50 C=Cc2
60 D=RM;@(I)=D
70 IF C=0GOTO 90
80 NEXT I;GOTO 100
90 I=1;NEXT I
100 IF A>-1GOTO 200
110 FOR I=1TO 16
120 D=@(I);IF D=1@(I)=0
130 IF D=0@(I)=1
140 NEXT I
150 FOR I=16TO 1STEP -1
160 IF @(I)=0@(I)=1;GOTO 180
170 @(I)=0;NEXT I;GOTO 200
180 I=1;NEXT I
200 PRINT ;PRINT #1," A=",A," B=",B
202 PRINT " ",;FOR I=1TO 8;PRINT #1,@(I),;NEXT I
204 PRINT " ",;FOR I=9TO 16;PRINT #1,@(I),;NEXT I
210 PRINT ;PRINT " ",;FOR I=1TO 16STEP 4;J=0;M=1
215 IF I=9TV=32
220 FOR K=3TO 0STEP -1;J=J+@(I+K)bM;M=M+M
230 NEXT K;IF J<10TV=48+J
240 IF J>9TV=55+J
250 NEXT I;PRINT
260 IF Z=2GOTO 1000
270 GOTO 10
1000 PRINT "ENTER HEX CODE, THEN GO
1010 Z=2;FOR I=1TO 5;@(I)=KP
1020 TV=@(I);IF @(I)=13GOTO 1040
1030 NEXT I;GOTO 1000
1040 J=I-1;IF J=4 N=@(2);@(2)=@(3);@(3)=N
1045 N=@(1);@(1)=@(J);@(J)=N
1050 K=0;FOR L=1TO J;M=0
1060 IF @(L)<58M=@(L)-48
1070 IF @(L)>64M=@(L)-55
1080 IF L=2M=Mb16
1090 IF L=3M=Mb256
1100 IF L=4IF M<8K=K+Mb4096;GOTO 1130
1110 K=K+M
1120 IF L=4IF M>7K=K-32767+(M-8)b4096-M-1
1130 NEXT L;I=5;NEXT I
1140 B=K;GOTO 20
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