

*6502 SYM-1*

*BASIC SOFTWARE LISTINGS*

*AND*

*DIFFERENCES*

Enter range limits for hex dump: C000-DFFF

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    00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
C000 4C 6D DE 23 C6 34 C5 D7 CA 81 C7 B8 C9 54 CE E4,E9 Lm^#F4EWJ G8ITNd
C010 C9 2E C8 2E C7 06 C7 B1 C7 09 C6 11 C7 5B C7 C4,6F I.H.G G1G F G[GD
C020 C7 21 C6 D4 C7 64 C6 E2 D5 B6 C6 75 C6 6B D1 D9,65 G!FTGdFbU6FuFkQY
C030 D5 BD C8 4A C6 AC C4 71 C4 01 D0 55 C4 EF D9 82,A8 U=HJF,DqD PUDoY
C040 DA 0E DA 0A 00 38 D1 59 D1 F3 DC 14 DE A0 D7 6F,4E Z Z 8QYQs\ ^ Wo
C050 DD C3 00 C3 00 C3 00 C3 00 C3 D5 31 D5 1E D2 62,27 ]C C C C CU1U Rb
C060 D5 40 D5 A1 D4 B5 D4 E1 D4 EC D4 79 1F D6 79 08,73 U@U!T5TaTlTy Vy
C070 D6 7B E0 D7 7B C7 D8 7F FC DC 50 27 CD 46 24 CD,67 V{'W{GX|\P'Mf$M
C080 7D 35 DD 5A 73 CC 64 54 CD 45 4E C4 46 4F D2 4E,20 }5]ZsLdTMENDFORN
C090 45 58 D4 44 41 54 C1 49 4E 50 55 D4 44 49 CD 52,E7 EXTDATAINPUTDIMR
C0A0 45 41 C4 4C 45 D4 47 4F 54 CF 52 55 CE 49 C6 52,25 EADLETGOTORUNIFR
C0B0 45 53 54 4F 52 C5 47 4F 53 55 C2 52 45 54 55 52,09 ESTOREGOSUBRETUR
C0C0 CE 52 45 CD 53 54 4F D0 4F CE 4E 55 4C CC 57 41,71 NREMSTOPONNULLWA
C0D0 49 D4 4C 4F 41 C4 53 41 56 C5 44 45 C6 50 4F 4B,16 ITLOADSAVEDEFPOK
C0E0 C5 50 52 49 4E D4 43 4F 4E D4 4C 49 53 D4 43 4C,E7 EPRINTCONTLISTCL
C0F0 45 41 D2 47 45 D4 4E 45 D7 54 41 42 A8 54 CF 46,F1 EARGETNEWTAB (TOF
```

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    00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
C100 CE 53 50 43 A8 54 48 45 CE 4E 4F D4 53 54 45 D0,29 NSPC(THENNOTSTEP
C110 AB AD AA AF DE 41 4E C4 4F D2 BE BD BC 53 47 CE,CB +-*/^ANDOR>=<SGN
C120 49 4E D4 41 42 D3 55 53 D2 46 52 C5 50 4F D3 53,28 INTABSUSRFREPOSS
C130 51 D2 52 4E C4 4C 4F C7 45 58 D0 43 4F D3 53 49,7F QRRNDLOGEXPCOSSI
C140 CE 54 41 CE 41 54 CE 50 45 45 CB 4C 45 CE 53 54,BE NTANATNPEEKLENST
C150 52 A4 56 41 CC 41 53 C3 43 48 52 A4 4C 45 46 54,1A R$VALASCCHR$LEFT
C160 A4 52 49 47 48 54 A4 4D 49 44 A4 47 CF 00 4E C6,88 $RIGHT$MID$GO NF
C170 53 CE 52 C7 4F C4 46 C3 4F D6 4F CD 55 D3 42 D3,5C SNRGODFCOVOMUSBS
C180 44 C4 2F B0 49 C4 54 CD 4C D3 53 D4 43 CE 55 C6,E3 DD/0IDTMLSSCTNUF
C190 20 45 52 52 4F 52 00 20 49 4E 20 00 0D 0A 4F 4B,15 ERROR IN OK
C1A0 0D 0A 00 0D 0A 42 52 45 41 4B 00 BA E8 E8 E8 E8,02 BREAK :hhhh
C1B0 BD 01 01 C9 81 D0 21 A5 9A D0 0A BD 02 01 85 99,F3 = I P!% P =
C1C0 BD 03 01 85 9A DD 03 01 D0 07 A5 99 DD 02 01 F0,99 = ] P % ] p
C1D0 07 8A 18 69 12 AA D0 D8 60 20 29 C2 85 81 84 82,86 i *PX` )B
C1E0 38 A5 AA E5 AF 85 72 A8 A5 AB E5 B0 AA E8 98 F0,3F 8%*e/ r(%+e0*h p
C1F0 23 A5 AA 38 E5 72 85 AA B0 03 C6 AB 38 A5 A8 E5,FD %#*8er *0 F+8%(e
```

```

    00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
C200 72 85 A8 B0 08 C6 A9 90 04 B1 AA 91 A8 88 D0 F9,3C r (0 F) 1* ( Py
C210 B1 AA 91 A8 C6 AB C6 A9 CA D0 F2 60 0A 69 3E B0,FD 1* (F+F)JPr` i>0
C220 35 85 72 BA E4 72 90 2E 60 C4 84 90 28 D0 04 C5,F0 5 r:dr .`D (P E
C230 83 90 22 48 A2 09 98 48 B5 A7 CA 10 FA 20 DB D2,F5 "H" H5'J z [R
C240 A2 F7 68 95 B1 E8 30 FA 68 A8 68 C4 84 90 06 D0,74 "wh lh0zh(hD P
C250 05 C5 83 B0 01 60 A2 0C 46 17 20 FE C8 20 74 C9,20 E 0 ` " F ~H tI
C260 BD 6E C1 20 76 C9 BD 6F C1 20 76 C9 20 8B C4 A9,CF =nA vI=oA vI D)
C270 90 A0 C1 20 54 C9 A4 8A C8 F0 03 20 7F DB 46 17,BD A TI$ Hp [F
C280 A9 9C A0 C1 20 03 00 20 5F C3 86 D3 84 D4 20 CC,65 ) A _C S T L
C290 00 AA F0 F3 A2 FF 86 8A 90 06 20 9F C3 4C D1 C5,9D *ps" CLQE
C2A0 20 F5 C7 20 9F C3 84 0F 20 27 C4 90 44 A0 01 B1,BF uG C 'D D 1
C2B0 AF 85 73 A5 7D 85 72 A5 B0 85 75 A5 AF 88 F1 AF,4A / s%} r%0 u%/ q/
C2C0 18 65 7D 85 7D 85 74 A5 7E 69 FF 85 7E E5 B0 AA,0C e) } t%~i ~e0*
C2D0 38 A5 AF E5 7D A8 B0 03 E8 C6 75 18 65 72 90 03,FA 8%/e}(0 hFu er
C2E0 C6 73 18 B1 72 91 74 C8 D0 F9 E6 73 E6 75 CA D0,52 Fs 1r tHPyfsfuJP
C2F0 F2 20 6D C4 20 2C C3 A5 1E F0 8C 18 A5 7D 85 AA,4C r mD ,C% p %} *
```

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C300	65	0F	85	A8	A4	7E	84	AB	90	01	C8	84	A9	20	D9	C1,7E	e (\$~ + H ) YA
C310	A5	81	A4	82	85	7D	84	7E	A4	0F	88	B9	1A	00	91	AF,1C	% \$ } ~\$ 9 /
C320	88	10	F8	20	6D	C4	20	2C	C3	4C	87	C2	A5	7B	A4	7C,E1	x mD ,CL B%{\$
C330	85	72	84	73	18	A0	01	B1	72	F0	1D	A0	04	C8	B1	72,47	r s lrp Hlr
C340	D0	FB	C8	98	65	72	AA	A0	00	91	72	A5	73	69	00	C8,DF	P{H er* r%si H
C350	91	72	86	72	85	73	90	DD	60	CA	10	05	20	FE	C8	A2,06	r r s ]`J ~H"
C360	00	20	8F	C3	C9	07	F0	14	C9	0D	F0	20	C9	20	90	F1,9C	CI p I p I q
C370	C9	7D	B0	ED	C9	40	F0	E4	C9	5F	F0	DD	E0	47	B0	05,2D	I}0mI@pdI_p]`GO
C380	95	1E	E8	D0	DC	A9	07	20	76	C9	D0	D5	4C	F6	C8	20,52	hP\ ) vIPULvH
C390	1B	8A	C9	14	D0	08	48	A5	17	49	FF	85	17	68	60	A6,02	I P H% I h`&
C3A0	D3	A0	04	84	13	B5	00	C9	20	F0	36	85	0E	C9	22	F0,42	S 5 I p6 I"p
C3B0	54	24	13	70	2C	C9	3F	D0	04	A9	97	D0	24	C9	30	90,02	T\$ p,I?P ) P\$IO
C3C0	04	C9	3C	90	1C	84	C1	A0	00	84	0F	88	86	D3	CA	C8,A2	I< A SJH
C3D0	E8	B5	00	38	F9	89	C0	F0	F6	C9	80	D0	2F	05	0F	A4,9F	h5 8y @pvI P/ \$
C3E0	C1	E8	C8	99	19	00	B9	19	00	F0	34	38	E9	3A	F0	04,07	AhH 9 p48i:p
C3F0	C9	49	D0	02	85	13	38	E9	54	D0	AA	85	0E	B5	00	F0,AA	IIP 8iTP* 5 p

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C400	E0	C5	0E	F0	DC	C8	99	19	00	E8	D0	F1	A6	D3	E6	0F,BA	`E p\H hPq&Sf
C410	C8	B9	88	C0	10	FA	B9	89	C0	D0	B6	B5	00	10	C0	99,33	H9 @ z9 @P65 @
C420	1B	00	A9	1D	85	D3	60	A5	7B	A6	7C	A0	01	85	AF	86,69	) S`%{&  /
C430	B0	B1	AF	F0	1F	C8	C8	A5	1D	D1	AF	90	18	F0	03	88,7D	01/p HH% Q/ p
C440	D0	09	A5	1C	88	D1	AF	90	0C	F0	0A	88	B1	AF	AA	88,CF	P % Q/ p 1/*
C450	B1	AF	B0	D7	18	60	D0	FD	A9	00	A8	91	7B	C8	91	7B,2C	1/OW `P)) ( {H {
C460	A5	7B	18	69	02	85	7D	A5	7C	69	00	85	7E	20	9F	C4,E1	%{ i }% i ~ D
C470	A9	00	D0	2A	A5	87	A4	88	85	83	84	84	A5	7D	A4	7E,30	) P*% \$ %}\$~
C480	85	7F	84	80	85	81	84	82	20	0A	C6	A2	69	86	66	68,93	F"i fh
C490	A8	68	A2	FE	9A	48	98	48	A9	00	85	8E	85	14	60	18,D2	(h"~ H H)
C4A0	A5	7B	69	FF	85	D3	A5	7C	69	FF	85	D4	60	08	20	F5,11	%{i S% i T` u
C4B0	C7	20	27	C4	28	F0	14	20	D2	00	F0	15	C9	A5	D0	95,D9	G 'D(p R p I\$P
C4C0	20	CC	00	F0	06	20	F5	C7	F0	07	60	A9	FF	85	1C	85,BC	L p uGp `)
C4D0	1D	68	68	A0	01	B1	AF	F0	39	20	19	C6	20	FE	C8	C8,80	hh 1/p9 F ~HH
C4E0	B1	AF	AA	C8	B1	AF	C5	1D	D0	04	E4	1C	F0	02	B0	22,2C	1/*H1/E P d p 0"
C4F0	84	99	20	8A	DB	A9	20	A4	99	29	7F	20	76	C9	C8	F0,93	[) \$ ) vIHp

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C500	11	B1	AF	D0	10	A8	B1	AF	AA	C8	B1	AF	86	AF	85	B0,28	1/P (1/*H1/ / 0
C510	D0	C1	4C	7E	C2	10	E4	38	E9	7F	AA	84	99	A0	FF	CA,09	PAL~B d8i* J
C520	F0	08	C8	B9	89	C0	10	FA	30	F5	C8	B9	89	C0	30	C7,BB	p H9 @ z0uH9 @OG
C530	20	76	C9	D0	F5	A9	80	85	14	20	2F	C8	20	AB	C1	D0,14	vIPu) /H +AP
C540	05	8A	69	0F	AA	9A	68	68	A9	09	20	1C	C2	20	90	C7,56	i * hh) B G
C550	18	98	65	D3	48	A5	D4	69	00	48	A5	8A	48	A5	89	48,9D	eSH%Ti H% H% H
C560	A9	9E	20	AD	CC	20	46	CB	20	43	CB	A5	B6	09	7F	25,E4	) -L FK CK%6 %
C570	B2	85	B2	A9	7E	A0	C5	85	72	84	73	4C	FC	CB	A9	72,75	2 2)~ E r sL K)r
C580	A0	D7	20	58	D9	20	D2	00	C9	A3	D0	06	20	CC	00	20,7D	W XY R I\$P L
C590	43	CB	20	E1	D9	20	F1	CB	A5	9A	48	A5	99	48	A9	81,78	CK aY qK% H% H)
C5A0	48	20	19	C6	A5	D3	A4	D4	F0	06	85	8D	84	8E	A0	00,69	H F\$S\$Tp
C5B0	B1	D3	D0	40	A0	02	B1	D3	18	D0	03	4C	3B	C6	C8	B1,D4	1SP@ 1S P L;FH1
C5C0	D3	85	89	C8	B1	D3	85	8A	98	65	D3	85	D3	90	02	E6,B0	S H1S es S f
C5D0	D4	20	CC	00	20	DA	C5	4C	A1	C5	F0	3C	E9	80	90	11,17	T L ZEL!Ep<i
C5E0	C9	1D	B0	17	0A	A8	B9	04	C0	48	B9	03	C0	48	4C	CC,17	I 0 (9 @H9 @HLL
C5F0	00	4C	2F	C8	C9	3A	F0	D9	4C	B6	CC	C9	45	D0	F9	20,EB	L/HI:pYL6LIEPy

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C600	CC	00	A9	9E	20	AD	CC	4C	2F	C7	38	A5	7B	E9	01	A4,BF	L ) -LL/G8%(i \$
C610	7C	B0	01	88	85	91	84	92	60	20	86	83	90	46	A9	03,AB	0 F)
C620	C9	03	B0	01	18	D0	3D	A5	D3	A4	D4	F0	0C	85	8D	84,CF	I 0 P=%S\$Tp
C630	8E	A5	89	A4	8A	85	8B	84	8C	68	68	A9	A3	A0	C1	A2,F8	% \$ hh)# A"
C640	00	86	17	90	03	4C	73	C2	4C	7E	C2	D0	17	A2	1E	A4,80	LsBL~BP " \$
C650	8E	D0	03	4C	58	C2	A5	8D	85	D3	84	D4	A5	8B	A4	8C,89	P LXB% S T% \$
C660	85	89	84	8A	60	20	53	D5	D0	FA	E8	E0	F0	B0	04	CA,4D	SUPzh`p0 J
C670	86	18	60	4C	02	D0	F0	FB	8D	4E	A6	20	CC	00	D0	E4,75	`L Pp{ N& L Pd
C680	A5	7B	A4	7C	8D	4C	A6	8C	4D	A6	A5	7D	A4	7E	8D	4A,CE	%{\$  L& M&}%\$~ J
C690	A6	8C	4B	A6	A0	80	20	C6	00	B0	42	A9	AF	A0	C6	4C,F3	& K& F 0B)/ FL
C6A0	54	C9	4C	4F	41	44	45	44	0D	0A	4F	4B	0D	0A	00	53,D4	TILOADED OK S
C6B0	41	56	45	44	0D	0A	00	F0	BA	8D	4E	A6	20	CC	00	D0,F2	AVED p: N& L P
C6C0	B1	A0	80	20	C9	00	B0	27	A9	A2	A0	C6	20	54	C9	AE,1F	l I 0') " F TI.
C6D0	4A	A6	AC	4B	A6	8A	86	7D	84	7E	4C	23	C3	A9	E4	A0,9A	J&,K& } ~L#C)d
C6E0	C6	4C	54	C9	42	41	44	20	53	41	56	C5	0D	0A	00	A9,1F	FLTIBAD SAVE )
C6F0	FC	A0	C6	20	54	C9	20	58	C4	4C	7E	C2	42	41	44	20,6D	F TI XDL~BBAD

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C700	4C	4F	41	C4	0D	0A	00	D0	03	4C	6D	C4	20	74	C4	4C,18	LOAD P Lmd tDL
C710	26	C7	A9	03	20	1C	C2	A5	D4	48	A5	D3	48	A5	8A	48,A7	&G) B%TH%SH% H
C720	A5	89	48	A9	8C	48	20	D2	00	20	2F	C7	4C	A1	C5	20,74	% H) H R /GL!E
C730	F5	C7	20	93	C7	A5	8A	C5	1D	B0	0B	98	38	65	D3	A6,24	uG G% E 0 8eS&
C740	D4	90	07	E8	B0	04	A5	7B	A6	7C	20	2B	C4	90	1E	A5,CF	T h0 %(&  +D %
C750	AF	E9	01	85	D3	A5	B0	E9	00	85	D4	60	D0	FD	A9	FF,2C	/i S%0i T`P))
C760	85	9A	20	AB	C1	9A	C9	8C	F0	0B	A2	04	2C	A2	0E	4C,8F	+A I p " , " L
C770	58	C2	4C	B6	CC	68	68	85	89	68	85	8A	68	85	D3	68,F4	XBL6Lhh h h Sh
C780	85	D4	20	90	C7	98	18	65	D3	85	D3	90	02	E6	D4	60,B0	T G es S ft`
C790	A2	3A	2C	A2	00	86	0D	A0	00	84	0E	A5	0E	A6	0D	85,0A	"::," % &
C7A0	0D	86	0E	B1	D3	F0	E8	C5	0E	F0	E4	C8	C9	22	D0	F3,24	lSphE pdHI"Ps
C7B0	F0	E9	20	57	CB	20	D2	00	C9	88	F0	05	A9	A1	20	AD,8E	pi WK R I p )! -
C7C0	CC	A5	B1	D0	05	20	93	C7	F0	BB	20	D2	00	B0	03	4C,9B	L%1P Gp; R 0 L
C7D0	2F	C7	4C	DA	C5	20	53	D5	48	C9	8C	F0	04	C9	88	D0,76	/GLZE SUHI p I P
C7E0	91	C6	B5	D0	04	68	4C	DC	C5	20	CC	00	20	F5	C7	C9,3C	F5P hL\E L uGI
C7F0	2C	F0	EE	68	60	A2	00	86	1C	86	1D	B0	F7	E9	2F	85,39	,pnh`" OwI/

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C800	0D	A5	1D	85	72	C9	19	B0	D4	A5	1C	0A	26	72	0A	26,F8	% rI OT% &r &
C810	72	65	1C	85	1C	A5	72	65	1D	85	1D	06	1C	26	1D	A5,D1	re %re & %
C820	1C	65	0D	85	1C	90	02	E6	1D	20	CC	00	4C	FB	C7	20,AF	e f L L{G
C830	5F	CE	85	99	84	9A	A9	AC	20	AD	CC	A5	12	48	A5	11,BB	N ), -L% H%
C840	48	20	57	CB	68	2A	20	49	CB	D0	18	68	10	12	20	D1,6E	H WKh* IKP h Q
C850	D9	20	79	CF	A0	00	A5	B4	91	99	C8	A5	B5	91	99	60,7E	Y yO %4 H%5`
C860	4C	86	D9	68	A0	02	B1	B4	C5	84	90	17	D0	07	88	B1,98	L Yh 14E P 1
C870	B4	C5	83	90	0E	A4	B5	C4	7E	90	08	D0	0D	A5	B4	C5,60	4E \$5D~ P %4E
C880	7D	B0	07	A5	B4	A4	B5	4C	A0	C8	A0	00	B1	B4	20	2E,4D	}0 %4\$5L H 14 .
C890	D2	A5	A0	A4	A1	85	BF	84	C0	20	2F	D4	A9	B1	A0	00,4E	R% \$! ? @ /T)1
C8A0	85	A0	84	A1	20	90	D4	A0	00	B1	A0	91	99	C8	B1	A0,5D	! T 1 H1
C8B0	91	99	C8	B1	A0	91	99	60	20	57	C9	20	D2	00	F0	3E,7D	H1 ` WI R p>
C8C0	F0	5A	C9	9D	F0	6E	C9	A0	18	F0	69	C9	2C	F0	4E	C9,61	pZI pnI piI,pNI
C8D0	3B	F0	76	20	57	CB	24	11	30	DE	20	9A	DB	20	40	D2,4E	;pv WK\$ 0^ [ @R
C8E0	A0	00	B1	B4	18	65	19	C5	1A	90	03	20	FE	C8	20	57,B8	14 e E ~H W
C8F0	C9	20	71	C9	D0	C5	A0	00	94	1E	A2	1D	D0	07	A9	0D,0E	I qIPE " P )

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
C900	85	19	20	76	C9	A9	0A	20	76	C9	8A	48	A6	18	F0	08,A5	vi) vi H& p
C910	A9	FF	20	76	C9	CA	D0	FA	86	19	68	AA	60	A5	19	C5,D4	) vIJPz h*`% E
C920	1B	90	06	20	FE	C8	4C	49	C9	38	E9	0E	B0	FC	49	FF,EC	~HLII8i 0 I
C930	69	01	D0	10	08	20	50	D5	C9	29	D0	61	28	90	06	8A,EE	i P PUI)Pa(
C940	E5	19	90	05	AA	E8	CA	D0	06	20	CC	00	4C	C0	C8	20,93	e *hJP L L@H
C950	71	C9	D0	F2	20	40	D2	20	5B	D4	AA	A0	00	E8	CA	F0,FC	qIPr @R [T* hJp
C960	BB	B1	72	20	76	C9	C8	C9	0D	D0	F3	20	0A	C9	4C	5E,37	;lr viHI Ps IL^
C970	C9	A9	20	2C	A9	3F	24	17	30	14	48	C9	20	90	0B	A5,CD	I) ,)?\$ 0 HI %
C980	19	C5	1A	D0	03	20	FE	C8	E6	19	68	20	47	8A	29	FF,FE	E P ~Hf h G )
C990	60	A5	15	F0	0B	A5	8F	A4	90	85	89	84	8A	4C	B6	CC,65	`% p % \$ L6L
C9A0	A9	C5	A0	CA	20	54	C9	A5	8D	A4	8E	85	D3	84	D4	60,EE	)E J TI% \$ S T`
C9B0	20	74	C9	20	71	C9	4C	CA	C9	46	17	C9	22	D0	F1	20,AD	ti qILJIF I"Pq
C9C0	5D	CC	A9	3B	20	AD	CC	20	57	C9	20	5F	D1	A9	2C	85,3D	]L); -L WI_Q),
C9D0	1D	20	5F	C3	A5	1E	D0	12	18	4C	31	C6	20	74	C9	20,19	_C% P L1F ti
C9E0	71	C9	4C	5F	C3	A6	91	A4	92	A9	98	85	15	86	93	84,A6	qIL_C& \$ )
C9F0	94	20	5F	CE	85	99	84	9A	A5	D3	A4	D4	85	9B	84	9C,F3	_N %S\$T

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
CA00	A6	93	A4	94	86	D3	84	D4	20	D2	00	D0	0E	24	15	30,4E	& \$ S T R P \$ 0
CA10	64	20	74	C9	20	DC	C9	86	D3	84	D4	20	CC	00	24	11,A6	d ti \I S T L \$
CA20	10	24	85	0D	C9	22	F0	07	A9	3A	85	0D	A9	2C	18	85,35	\$ I"p ): ),
CA30	0E	A5	D3	A4	D4	69	00	90	01	C8	20	46	D2	20	98	D5,BA	%S\$Ti H FR U
CA40	20	64	C8	4C	4E	CA	20	A9	DA	A5	12	20	4C	C8	20	D2,EA	dHLNJ )Z% LH R
CA50	00	F0	07	C9	2C	F0	03	4C	91	C9	A5	D3	A4	D4	85	93,77	p I,p L I%\$S\$T
CA60	84	94	A5	9B	A4	9C	85	D3	84	D4	20	D2	00	F0	2C	20,ED	% \$ S T R p,
CA70	AB	CC	4C	F1	C9	20	90	C7	C8	AA	D0	12	A2	06	C8	B1,56	+LLqI GH*P " H1
CA80	D3	F0	69	C8	B1	D3	85	8F	C8	B1	D3	C8	85	90	B1	D3,8F	SpiH1S H1SH 1S
CA90	AA	20	85	C7	E0	83	D0	DD	4C	1B	CA	A5	93	A4	94	A6,FC	* G` P]L J% \$ &
CAA0	15	10	03	4C	14	C6	A0	00	B1	93	F0	07	A9	B4	A0	CA,EC	L F 1 p )4 J
CAB0	4C	54	C9	60	3F	45	58	54	52	41	20	49	47	4E	4F	52,17	LTi`?EXTRA IGNOR
CAC0	45	44	0D	0A	00	3F	52	45	44	4F	20	46	52	4F	4D	20,94	ED ?REDO FROM
CAD0	53	54	41	52	54	0D	0A	00	D0	04	A0	00	F0	03	20	5F,1F	START P p -
CAE0	CE	85	99	84	9A	20	AB	C1	F0	04	A2	00	F0	66	9A	8A,C5	N +Ap " pf -
CAF0	18	69	04	48	69	06	85	74	68	A0	01	20	58	D9	BA	BD,CB	i Hi th XY:=

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
CB00	09	01	85	B6	A5	99	A4	9A	20	1D	D6	20	86	D9	A0	01,BF	6% \$ V Y
CB10	20	13	DA	BA	38	FD	09	01	F0	17	BD	0F	01	85	89	BD,64	Z:8} p = =
CB20	10	01	85	8A	BD	12	01	85	D3	BD	11	01	85	D4	4C	A1,C1	= S= TL!
CB30	C5	8A	69	11	AA	9A	20	D2	00	C9	2C	D0	F1	20	CC	00,62	E i * R I,Pq L
CB40	20	DE	CA	20	57	CB	18	24	38	24	11	30	03	B0	03	60,5B	^J WK \$8\$ 0 0 `
CB50	B0	FD	A2	18	4C	58	C2	A6	D3	D0	02	C6	D4	C6	D3	A2,48	0}" LXB&SP FTFS"
CB60	00	24	48	8A	48	A9	01	20	1C	C2	20	3C	CC	A9	00	85,84	\$H H) B <L)
CB70	9D	20	D2	00	38	E9	AB	90	17	C9	03	B0	13	C9	01	2A,09	R 8i+ I 0 I *
CB80	49	01	45	9D	C5	9D	90	61	85	9D	20	CC	00	4C	74	CB,21	I E E a L LtK
CB90	A6	9D	D0	2C	B0	7B	69	07	90	77	65	11	D0	03	4C	F2,89	& P,0{i we P Lr
CBA0	D3	69	FF	85	72	0A	65	72	A8	68	D9	6B	C0	B0	67	20,E7	Si r er(hYk@0g
CBB0	46	CB	48	20	D9	CB	68	A4	9B	10	17	AA	F0	56	D0	5F,F1	FKH YK\$h *pVP_
CBC0	46	11	8A	2A	A6	D3	D0	02	C6	D4	C6	D3	A0	1B	85	9D,57	F *\$SP FTFS
CBD0	D0	D7	D9	6B	C0	B0	48	90	D9	B9	6D	C0	48	B9	6C	C0,76	PWYk@0P Y9m@H91@
CBE0	48	20	EC	CB	A5	9D	4C	62	CB	4C	B6	CC	A5	B6	BE	6B,A2	H lK% LbKL6L%6>k
CBF0	C0	A8	68	85	72	E6	72	68	85	73	98	48	20	D1	D9	A5,70	@(h rfrh s H QY%

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
CC00	B5	48	A5	B4	48	A5	B3	48	A5	B2	48	A5	B1	48	6C	72,C9	5H%4H%3H%2H%1Hlr
CC10	00	A0	FF	68	F0	23	C9	64	F0	03	20	46	CB	84	9B	68,BB	hp#Idp FK h
CC20	4A	85	16	68	85	B9	68	85	BA	68	85	BB	68	85	BC	68,A6	J h 9h :h ;h <h
CC30	85	BD	68	85	BE	45	B6	85	BF	A5	B1	60	A9	00	85	11,C7	=h >E6 ?%1`)
CC40	20	CC	00	B0	03	4C	A9	DA	20	E9	CE	B0	75	C9	2E	F0,18	L 0 L)Z iN0uI.p
CC50	F4	C9	A5	F0	66	C9	A4	F0	E7	C9	22	D0	0F	A5	D3	A4,FA	tI%pfI\$pgI"P %S\$
CC60	D4	69	00	90	01	C8	20	40	D2	4C	98	D5	C9	A2	D0	13,C9	Ti H @RL UI"P
CC70	A0	18	D0	49	20	79	CF	A5	B5	49	FF	A8	A5	B4	49	FF,ED	PI yO%5I(%4I
CC80	4C	4C	D1	C9	B1	D0	03	4C	BD	CD	C9	26	D0	03	4C	FE,85	LLQI1P L=MI&P L~
CC90	CD	C9	9F	D0	03	4C	AD	D1	C9	AE	90	03	4C	E6	CC	20,7F	MI P L-QI. LfL
CCA0	A8	CC	20	57	CB	A9	29	2C	A9	28	2C	A9	2C	A0	00	D1,76	(L WK)),),(,), Q
CCB0	D3	D0	03	4C	CC	00	A2	02	4C	58	C2	A0	15	68	68	4C,0F	SP LL " LXB hhL
CCC0	B3	CB	20	5F	CE	85	B4	84	B5	A6	11	F0	05	A2	00	86,20	3K _N 4 5& p "
CCD0	C0	60	A6	12	10	0D	A0	00	B1	B4	AA	C8	B1	B4	A8	8A,23	@`& 14*H14(
CCE0	4C	4C	D1	4C	58	D9	0A	48	AA	20	CC	00	E0	83	90	20,04	LLQLXY H* L`
CCF0	20	A8	CC	20	57	CB	20	AB	CC	20	48	CB	68	AA	A5	B5,10	(L WK +L HKh*%5

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
CD00	48	A5	B4	48	8A	48	20	53	D5	68	A8	8A	48	4C	15	CD,23	H%4H H SUh( HL M
CD10	20	9F	CC	68	A8	B9	E1	BF	85	A5	B9	E2	BF	85	A6	20,E6	Lh(9a? %9b? &
CD20	A4	00	4C	46	CB	A0	FF	2C	A0	00	84	0F	20	79	CF	A5,F2	\$ LFK , yO%
CD30	B4	45	0F	85	0D	A5	B5	45	0F	85	0E	20	B2	D9	20	79,11	4E %5E 2Y y
CD40	CF	A5	B5	45	0F	25	0E	45	0F	A8	A5	B4	45	0F	25	0D,9C	O%5E % E (%4E %
CD50	45	0F	4C	4C	D1	20	49	CB	B0	13	A5	BE	09	7F	25	BA,1A	E LLQ IK0 %> %:
CD60	85	BA	A9	B9	A0	00	20	11	DA	AA	4C	A0	CD	A9	00	85,F7	:)9 Z*L M)
CD70	11	C6	9D	20	5B	D4	85	B1	86	B2	84	B3	A5	BC	A4	BD,21	F [T 1 2 3%<\$=
CD80	20	5F	D4	86	BC	84	BD	AA	38	E5	B1	F0	08	A9	01	90,A1	_T < =*8elp )
CD90	04	A6	B1	A9	FF	85	B6	A0	FF	E8	C8	CA	D0	07	A6	B6,2B	&1) 6 hHJP &6
CDA0	30	0F	18	90	0C	B1	BC	D1	B2	F0	EF	A2	FF	B0	02	A2,E2	0 1<Q2po"0 "
CDB0	01	E8	8A	2A	25	16	F0	02	A9	FF	4C	F2	D9	20	CC	00,57	h *% p )LrY L
CDC0	20	A8	CC	20	57	CB	20	D2	00	C9	29	F0	24	20	79	CF,8D	(L WK R I)p\$ yo
CDD0	A5	B5	A4	B4	85	0B	84	0C	20	AB	CC	20	57	CB	20	D2,2A	%5\$4 +L WK R
CDE0	00	C9	29	F0	0C	20	79	CF	A5	B4	48	A5	B5	48	4C	D8,E7	I)p yO%4H%5HLX
CDF0	CD	20	CC	00	20	79	CF	A5	B4	A4	B5	4C	0A	00	A5	D4,89	M L yO%4\$5L %T

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
CE00	48	A5	D3	48	20	CC	00	C9	22	D0	3E	20	CC	00	20	2B,AD	H%SH L I"P> L +
CE10	CE	AA	20	D2	00	20	2B	CE	48	20	D2	00	C9	22	D0	28,4D	N* R +NH R I"P(
CE20	20	CC	00	68	A8	68	68	8A	4C	4C	D1	20	75	82	B0	17,EA	L h(hh LLQ u 0
CE30	48	20	CC	00	20	75	82	85	B5	B0	0B	20	CC	00	68	0A,88	H L u 50 L h
CE40	0A	0A	0A	05	B5	60	68	68	68	68	85	D3	68	85	D4	4C,C5	5`hhhh Sh TL
CE50	AD	D6	20	AB	CC	AA	20	64	CE	20	D2	00	D0	F4	60	A2,93	-V +L* dN R Pt`"
CE60	00	20	D2	00	86	10	85	95	20	D2	00	20	E9	CE	B0	03,B1	R R iN0
CE70	4C	B6	CC	A2	00	86	11	86	12	20	CC	00	90	05	20	E9,DA	L6L" L i
CE80	CE	90	0B	AA	20	CC	00	90	FB	20	E9	CE	B0	F6	C9	24,CE	N * L { iN0vi\$
CE90	D0	06	A9	FF	85	11	D0	10	C9	25	D0	13	A5	14	D0	D0,EC	P ) P I%P % PP
CEA0	A9	80	85	12	05	95	85	95	8A	09	80	AA	20	CC	00	86,8F	) * L
CEB0	96	38	05	14	E9	28	D0	03	4C	8B	CF	A9	00	85	14	A5,E7	8 i(P L O) %
CEC0	7D	A6	7E	A0	00	86	B0	85	AF	E4	80	D0	04	C5	7F	F0,FE	&~ 0 /d P Ep
CED0	22	A5	95	D1	AF	D0	08	A5	96	C8	D1	AF	F0	6A	88	18,2F	% Q/P % HQ/pj
CEE0	A5	AF	69	07	90	E1	E8	D0	DC	C9	41	90	05	E9	5B	38,13	%/i ahP\IA i[8
CEF0	E9	A5	60	68	48	C9	C4	D0	0D	BA	BD	02	01	C9	CC	D0,FA	i%`hHIDP := ILP

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
CF00	05	A9	CC	A0	DC	60	A5	7F	A4	80	85	AF	84	B0	A5	81,26	)L \`%\$ / 0%
CF10	A4	82	85	AA	84	AB	18	69	07	90	01	C8	85	A8	84	A9,E5	\$ * + i H ( )
CF20	20	D9	C1	A5	A8	A4	A9	C8	85	7F	84	80	A0	00	A5	95,E3	YA%(\$)H %
CF30	91	AF	C8	A5	96	91	AF	A9	00	C8	91	AF	C8	91	AF	C8,E7	/H% /) H /H /H
CF40	91	AF	C8	91	AF	C8	91	AF	A5	AF	18	69	02	A4	B0	90,F2	/H /H /%/ i \$0
CF50	01	C8	85	97	84	98	60	A5	0F	0A	69	05	65	AF	A4	B0,E7	H % i e/\$0
CF60	90	01	C8	85	A8	84	A9	60	90	80	00	00	20	CC	00	20,16	H ( )` L
CF70	57	CB	20	46	CB	A5	B6	30	0D	A5	B1	C9	90	90	09	A9,F2	WK FK%60 %1I )
CF80	68	A0	CF	20	11	DA	D0	7A	4C	51	DA	A5	10	05	12	48,A9	h O ZPzLQZ% H
CF90	A5	11	48	A0	00	98	48	A5	96	48	A5	95	48	20	6C	CF,87	%H H% H% H 10
CFA0	68	85	95	68	85	96	68	A8	BA	BD	02	01	48	BD	01	01,1D	h h h(:= H=
CFB0	48	A5	B4	9D	02	01	A5	B5	9D	01	01	C8	20	D2	00	C9,DA	H%4 %5 H R I
CFC0	2C	F0	D2	84	0F	20	A5	CC	68	85	11	68	85	12	29	7F,91	,pR %Lh h )
CFD0	85	10	A6	7F	A5	80	86	AF	85	B0	C5	82	D0	04	E4	81,5A	&% / 0E P d
CFE0	F0	39	A0	00	B1	AF	C8	C5	95	D0	06	A5	96	D1	AF	F0,26	p9 1/HE P % Q/p
CFF0	16	C8	B1	AF	18	65	AF	AA	C8	B1	AF	65	B0	90	D7	A2,80	H1/ e/*H1/e0 W"

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D000	10	2C	A2	08	4C	58	C2	A2	12	A5	10	D0	F7	20	57	CF,42	, " LXB" % Pw WO
D010	A5	0F	A0	04	D1	AF	D0	E7	4C	A5	D0	20	57	CF	20	29,21	% Q/PgL%P WO )
D020	C2	A9	00	A8	85	C2	A2	05	A5	95	91	AF	10	01	CA	C8,3F	B) ( B" % / JH
D030	A5	96	91	AF	10	02	CA	CA	86	C1	A5	0F	C8	C8	C8	91,44	% / JJ A% HHH
D040	AF	A2	0B	A9	00	24	10	50	08	68	18	69	01	AA	68	69,3A	/" ) \$ P h i *hi
D050	00	C8	91	AF	C8	8A	91	AF	20	07	D1	86	C1	85	C2	A4,FE	H /H / Q A B\$
D060	72	C6	0F	D0	DC	65	A9	B0	5D	85	A9	A8	8A	65	A8	90,09	rF P\e)0] )( e(
D070	03	C8	F0	52	20	29	C2	85	81	84	82	A9	00	E6	C2	A4,22	HpR )B ) fB\$
D080	C1	F0	05	88	91	A8	D0	FB	C6	A9	C6	C2	D0	F5	E6	A9,AF	Ap (P{F)FBPuf)
D090	38	A5	81	E5	AF	A0	02	91	AF	A5	82	C8	E5	B0	91	AF,47	8% e/ /% He0 /
D0A0	A5	10	D0	62	C8	B1	AF	85	0F	A9	00	85	C1	85	C2	C8,E8	% PbH1/ ) A BH
D0B0	68	AA	85	B4	68	85	B5	D1	AF	90	0E	D0	06	C8	8A	D1,EC	h* 4h 5Q/ P H Q
D0C0	AF	90	07	4C	FF	CF	4C	56	C2	C8	A5	C2	05	C1	18	F0,AD	/ LOLVBH%B A p
D0D0	0A	20	07	D1	8A	65	B4	AA	98	A4	72	65	B5	86	C1	C6,D1	Q e4* \$re5 AF
D0E0	0F	D0	CA	85	C2	A2	05	A5	95	10	01	CA	A5	96	10	02,CA	PJ B" % J%
D0F0	CA	CA	86	78	A9	00	20	10	D1	8A	65	A8	85	97	98	65,B6	JJ x) Q e( e

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D100	A9	85	98	A8	A5	97	60	84	72	B1	AF	85	78	88	B1	AF,FB	) (% ` r1/ x 1/
D110	85	79	A9	10	85	AD	A2	00	A0	00	8A	0A	AA	98	2A	A8,CE	y) -" * *(
D120	B0	A4	06	C1	26	C2	90	0B	18	8A	65	78	AA	98	65	79,0B	0\$ A&B ex* ey
D130	A8	B0	93	C6	AD	D0	E3	60	A5	11	F0	03	20	5B	D4	20,94	(0 F-Pc`% p [T
D140	DB	D2	38	A5	83	E5	81	A8	A5	84	E5	82	A2	00	86	11,78	[R8% e (% e "
D150	85	B2	84	B3	A2	90	4C	FA	D9	A4	19	A9	00	F0	ED	A6,20	2 3" LzY\$ ) pm&
D160	8A	E8	D0	A2	A2	16	2C	A2	20	4C	58	C2	20	9A	D1	20,BB	hP"" , " LXB Q
D170	5F	D1	20	A8	CC	A9	80	85	14	20	5F	CE	20	46	CB	20,DF	Q (L) N FK
D180	A5	CC	A9	AC	20	AD	CC	48	A5	98	48	A5	97	48	A5	D4,08	%L), -LH% H% H%T
D190	48	A5	D3	48	20	82	C7	4C	08	D2	A9	9F	20	AD	CC	09,89	H%SH GL R) -L
D1A0	80	85	14	20	66	CE	85	9E	84	9F	4C	46	CB	20	9A	D1,24	fN LFK Q
D1B0	A5	9F	48	A5	9E	48	20	9F	CC	20	46	CB	68	85	9E	68,EA	% H% H L FK h
D1C0	85	9F	A0	02	B1	9E	85	97	AA	C8	B1	9E	F0	99	85	98,82	1 *H1 p
D1D0	C8	B1	97	48	88	10	FA	A4	98	20	8A	D9	A5	D4	48	A5,91	H1 H z\$ Y%TH%
D1E0	D3	48	B1	9E	85	D3	C8	B1	9E	85	D4	A5	98	48	A5	97,84	SH1 SH1 T% H%
D1F0	48	20	43	CB	68	85	9E	68	85	9F	20	D2	00	F0	03	4C,42	H CKh h R p L

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D200	B6	CC	68	85	D3	68	85	D4	A0	00	68	91	9E	68	C8	91,3D	6Lh Sh T h hH
D210	9E	68	C8	91	9E	68	C8	91	9E	68	C8	91	9E	60	20	46,BE	hH hH hH ` F
D220	CB	A0	00	20	9C	DB	68	68	A9	FF	A0	00	F0	12	A6	B4,34	K [hh) p &4
D230	A4	B5	86	A0	84	A1	20	A9	D2	86	B2	84	B3	85	B1	60,78	\$5 ! )R 2 3 1`
D240	A2	22	86	0D	86	0E	85	BF	84	C0	85	B2	84	B3	A0	FF,F8	"" ? @ 2 3
D250	C8	B1	BF	F0	0C	C5	0D	F0	04	C5	0E	D0	F3	C9	22	F0,63	H1?p E p E PsI"p
D260	01	18	84	B1	98	65	BF	85	C1	A6	C0	90	01	E8	86	C2,DA	1 e? A&@ h B
D270	A5	C0	D0	0B	98	20	2E	D2	A6	BF	A4	C0	20	3D	D4	A6,72	%@P .R&?@\$@ =T&
D280	66	E0	72	D0	05	A2	1C	4C	58	C2	A5	B1	95	00	A5	B2,65	f`rP " LXB%1 %2
D290	95	01	A5	B3	95	02	A0	00	86	B4	84	B5	84	C0	88	84,4D	%3 4 5 @
D2A0	11	86	67	E8	E8	E8	86	66	60	46	13	48	49	FF	38	65,D5	ghhh f`F HI8e
D2B0	83	A4	84	B0	01	88	C4	82	90	11	D0	04	C5	81	90	0B,55	\$ 0 D P E
D2C0	85	83	84	84	85	85	84	86	AA	68	60	A2	0C	A5	13	30,81	*h`" % 0
D2D0	B6	20	DB	D2	A9	80	85	13	68	D0	D0	A6	87	A5	88	86,AD	6 [R) hPP& %
D2E0	83	85	84	A0	00	84	9F	84	9E	A5	81	A6	82	85	AF	86,26	% & /
D2F0	B0	A9	69	A2	00	85	72	86	73	C5	66	F0	05	20	7C	D3,09	0)i" r sEfp  S

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D300	F0	F7	A9	07	85	A3	A5	7D	A6	7E	85	72	86	73	E4	80,62	pw) #}%&~ r sd
D310	D0	04	C5	7F	F0	05	20	72	D3	F0	F3	85	A8	86	A9	A9,BC	P Ep rSps ( )
D320	03	85	A3	A5	A8	A6	A9	E4	82	D0	07	C5	81	D0	03	4C,25	#%(&)d P E P L
D330	BB	D3	85	72	86	73	A0	00	B1	72	AA	C8	B1	72	08	C8,CB	;S r s 1r*H1r H
D340	B1	72	65	A8	85	A8	C8	B1	72	65	A9	85	A9	28	10	D3,5A	1re( (H1re) )( S
D350	8A	30	D0	C8	B1	72	A0	00	0A	69	05	65	72	85	72	90,45	OPH1r i er r
D360	02	E6	73	A6	73	E4	A9	D0	04	C5	A8	F0	BA	20	7C	D3,A0	fs&sd)P E(p:  S
D370	F0	F3	B1	72	30	35	C8	B1	72	10	30	C8	B1	72	F0	2B,3C	ps1r05H1r 0H1rp+
D380	C8	B1	72	AA	C8	B1	72	C5	84	90	06	D0	1E	E4	83	B0,A0	H1r*H1rE P d 0
D390	1A	C5	B0	90	16	D0	04	E4	AF	90	10	86	AF	85	B0	A5,E8	E0 P d/ / 0%
D3A0	72	A6	73	85	9E	86	9F	A5	A3	85	A5	A5	A3	18	65	72,67	r&s %# %%# er
D3B0	85	72	90	02	E6	73	A6	73	A0	00	60	A5	9F	05	9E	F0,39	r fs&s `% p
D3C0	F5	A5	A5	29	04	4A	A8	85	A5	B1	9E	65	AF	85	AA	A5,F8	u%%) J( %1 e/ *%
D3D0	B0	69	00	85	AB	A5	83	A6	84	85	A8	86	A9	20	E0	C1,B0	0i +% & ( ) `A
D3E0	A4	A5	C8	A5	A8	91	9E	AA	E6	A9	A5	A9	C8	91	9E	4C,07	\$%H%( *f)%H L
D3F0	DF	D2	A5	B5	48	A5	B4	48	20	3C	CC	20	48	CB	68	85,43	_R%5H%4H <L HKh

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D400	BF	68	85	C0	A0	00	B1	BF	18	71	B4	90	05	A2	1A	4C,99	?h @ 1? q4 " L
D410	58	C2	20	2E	D2	20	2F	D4	A5	A0	A4	A1	20	5F	D4	20,F3	XB .R /T% \$! _T
D420	41	D4	A5	BF	A4	C0	20	5F	D4	20	7F	D2	4C	71	CB	A0,BC	AT%?@\$@ _T RLqK
D430	00	B1	BF	48	C8	B1	BF	AA	C8	B1	BF	A8	68	86	72	84,1A	1?HH1?*H1?(h r
D440	73	A8	F0	0A	48	88	B1	72	91	85	98	D0	F8	68	18	65,7D	s(p H 1r P xh e
D450	85	85	85	90	02	E6	86	60	20	48	CB	A5	B4	A4	B5	85,D4	f ` HK%4\$5
D460	72	84	73	20	90	D4	08	A0	00	B1	72	48	C8	B1	72	AA,69	r s T 1rHH1r*
D470	C8	B1	72	A8	68	28	D0	13	C4	84	D0	0F	E4	83	D0	0B,D8	H1r(h(P D P d P
D480	48	18	65	83	85	83	90	02	E6	84	68	86	72	84	73	60,DB	H e f h r s`
D490	C4	68	D0	0C	C5	67	D0	08	85	66	E9	03	85	67	A0	00,4A	DhP EgP fi g
D4A0	60	20	56	D5	8A	48	A9	01	20	36	D2	68	A0	00	91	B2,E4	` VU H) 6Rh 2
D4B0	68	68	4C	7F	D2	20	16	D5	D1	A0	98	90	04	B1	A0	AA,F4	hhLR UQ 1 *
D4C0	98	48	8A	48	20	36	D2	A5	A0	A4	A1	20	5F	D4	68	A8,BB	H H 6R% \$! _Th(
D4D0	68	18	65	72	85	72	90	02	E6	73	98	20	41	D4	4C	7F,8C	h er r fs ATL
D4E0	D2	20	16	D5	18	F1	A0	49	FF	4C	BB	D4	A9	FF	85	B5,17	R U q IL;T) 5
D4F0	20	D2	00	C9	29	F0	06	20	AB	CC	20	53	D5	20	16	D5,DB	R I)p +L SU U



	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D500	F0	4B	CA	8A	48	18	A2	00	F1	A0	B0	B6	49	FF	C5	B5,25	pKJ H " q 06IE5
D510	90	B1	A5	B5	B0	AD	20	A5	CC	68	A8	68	85	A5	68	68,20	1%50- %Lh(h %hh
D520	68	AA	68	85	A0	68	85	A1	A5	A5	48	98	48	A0	00	8A,E9	h*h h !%%H H
D530	60	20	37	D5	4C	5B	D1	20	58	D4	A2	00	86	11	A8	60,7A	` 7UL[Q XT" (`
D540	20	37	D5	F0	08	A0	00	B1	72	A8	4C	5B	D1	4C	02	D0,9F	7Up 1r(L[QL P
D550	20	CC	00	20	43	CB	20	72	CF	A6	B4	D0	F0	A6	B5	4C,DB	L CK rO&4Pp&5L
D560	D2	00	20	37	D5	D0	03	4C	AD	D6	A6	D3	A4	D4	86	C1,B3	R 7UP L-V&S\$T A
D570	84	C2	A6	72	86	D3	18	65	72	85	74	A6	73	86	D4	90,55	B&r S er t&s T
D580	01	E8	86	75	A0	00	B1	74	48	A9	00	91	74	20	D2	00,E6	h u ltH) t R
D590	20	A9	DA	68	A0	00	91	74	A6	C1	A4	C2	86	D3	84	D4,14	)Zh t&A\$B S T
D5A0	60	20	43	CB	20	AD	D5	20	AB	CC	4C	53	D5	A5	B6	30,DA	` CK -U +LLSU%60
D5B0	9C	A5	B1	C9	91	B0	96	20	51	DA	A5	B4	A4	B5	84	1C,09	%1I 0 QZ%4\$5
D5C0	85	1D	60	A5	1D	48	A5	1C	48	20	AD	D5	A0	00	B1	1C,2D	`% H% H -U 1
D5D0	A8	68	85	1C	68	85	1D	4C	5B	D1	20	A1	D5	8A	A0	00,20	(h h L[Q !U
D5E0	91	1C	60	20	A1	D5	86	99	A2	00	20	D2	00	F0	03	20,89	` !U " R p
D5F0	A7	D5	86	9A	A0	00	B1	1C	45	9A	25	99	F0	F8	60	A9,20	'U 1 E % px`)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D600	CA	A0	DC	4C	1D	D6	20	42	D8	A5	B6	49	FF	85	B6	45,02	J \L V BX%6I 6E
D610	BE	85	BF	A5	B1	4C	20	D6	20	4F	D7	90	3C	20	42	D8,E8	> ?%1L V OW < BX
D620	D0	03	4C	B2	D9	A6	C0	86	A6	A2	B9	A5	B9	A8	F0	CE,43	P L2Y&@ &"9%9(pN
D630	38	E5	B1	F0	24	90	12	84	B1	A4	BE	84	B6	49	FF	69,49	8elp\$ 1\$> 6Ii
D640	00	A0	00	84	A6	A2	B1	D0	04	A0	00	84	C0	C9	F9	30,10	&"1P @Iy0
D650	C7	A8	A5	C0	56	01	20	66	D7	24	BF	10	57	A0	B1	E0,13	G(%@V fW\$? W 1`
D660	B9	F0	02	A0	B9	38	49	FF	65	A6	85	C0	B9	04	00	F5,99	9p 98Ie& @9 u
D670	04	85	B5	B9	03	00	F5	03	85	B4	B9	02	00	F5	02	85,FB	59 u 49 u
D680	B3	B9	01	00	F5	01	85	B2	B0	03	20	FD	D6	A0	00	98,73	39 u 20 }V
D690	18	A6	B2	D0	4A	A6	B3	86	B2	A6	B4	86	B3	A6	B5	86,02	&2PJ&3 2&4 3&5
D6A0	B4	A6	C0	86	B5	84	C0	69	08	C9	20	D0	E4	A9	00	85,D7	4&@ 5 @i I Pd)
D6B0	B1	85	B6	60	65	A6	85	C0	A5	B5	65	BD	85	B5	A5	B4,82	1 6`e& @%5e= 5%4
D6C0	65	BC	85	B4	A5	B3	65	BB	85	B3	A5	B2	65	BA	85	B2,39	e< 4%3e; 3%2e: 2
D6D0	4C	EC	D6	69	01	06	C0	26	B5	26	B4	26	B3	26	B2	10,ED	LlVi @&5&4&3&2
D6E0	F2	38	E5	B1	B0	C7	49	FF	69	01	85	B1	90	0E	E6	B1,41	r8e10GIi 1 fl
D6F0	F0	42	66	B2	66	B3	66	B4	66	B5	66	C0	60	A5	B6	49,03	pBf2f3f4f5f@`%6I

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D700	FF	85	B6	A5	B2	49	FF	85	B2	A5	B3	49	FF	85	B3	A5,90	6%2I 2%3I 3%
D710	B4	49	FF	85	B4	A5	B5	49	FF	85	B5	A5	C0	49	FF	85,D3	4I 4%5I 5%@I
D720	C0	E6	C0	D0	0E	E6	B5	D0	0A	E6	B4	D0	06	E6	B3	D0,65	@f@P f5P f4P f3P
D730	02	E6	B2	60	A2	0A	4C	58	C2	A2	75	B4	04	84	C0	B4,38	f2`" LXB"u4 @4
D740	03	94	04	B4	02	94	03	B4	01	94	02	A4	B8	94	01	69,C5	4 4 \$8 i
D750	08	30	E8	F0	E6	E9	08	A8	A5	C0	B0	14	16	01	90	02,26	0hpfI (%@0
D760	F6	01	76	01	76	01	76	02	76	03	76	04	6A	C8	D0	EC,64	v v v v v v jHPl
D770	18	60	81	00	00	00	00	03	7F	5E	56	CB	79	80	13	9B,05	` ^VKy
D780	0B	64	80	76	38	93	16	82	38	AA	3B	20	80	35	04	F3,B6	d v8 8*; 5 s
D790	34	81	35	04	F3	34	80	80	00	00	00	80	31	72	17	F8,FD	4 5 s4 1r x
D7A0	20	E1	D9	F0	02	10	03	4C	02	D0	A5	B1	E9	7F	48	A9,A9	aYp L P%1iH)
D7B0	80	85	B1	A9	8C	A0	D7	20	1D	D6	A9	91	A0	D7	20	C5,B4	1) W V) W E
D7C0	D8	A9	72	A0	D7	20	06	D6	A9	77	A0	D7	20	C2	DD	A9,19	X)r W V)w W B))
D7D0	96	A0	D7	20	1D	D6	68	20	3B	DB	A9	9B	A0	D7	20	42,F4	W Vh ;() W B
D7E0	D8	D0	03	4C	41	D8	20	6D	D8	A9	00	85	76	85	77	85,8E	XP LAX mX) v w
D7F0	78	85	79	A5	C0	20	0F	D8	A5	B5	20	0F	D8	A5	B4	20,4A	x y%@ X%5 X%4

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D800	0F	D8	A5	B3	20	0F	D8	A5	B2	20	14	D8	4C	45	D9	D0,2D	X%3 X%2 XLEYP
D810	03	4C	39	D7	4A	09	80	A8	90	19	18	A5	79	65	BD	85,8D	L9WJ ( %ye=
D820	79	A5	78	65	BC	85	78	A5	77	65	BB	85	77	A5	76	65,F9	y%xe< x%we; w%ve
D830	BA	85	76	66	76	66	77	66	78	66	79	66	C0	98	4A	D0,FC	: vfvfwxfyf@ JP
D840	D6	60	85	72	84	73	A0	04	B1	72	85	BD	88	B1	72	85,59	V` r s 1r = 1r
D850	BC	88	B1	72	85	BB	88	B1	72	85	BE	45	B6	85	BF	A5,D2	< 1r ; 1r >E6 ?%
D860	BE	09	80	85	BA	88	B1	72	85	B9	A5	B1	60	A5	B9	F0,45	> : 1r 9%1`%9p
D870	1F	18	65	B1	90	04	30	1D	18	2C	10	14	69	80	85	B1,FA	e1 0 , i 1
D880	D0	03	4C	B1	D6	A5	BF	85	B6	60	A5	B6	49	FF	30	05,77	P L1V%? 6`%6IO
D890	68	68	4C	AD	D6	4C	34	D7	20	C2	D9	AA	F0	10	18	69,53	hhL-VL4W BY*p i
D8A0	02	B0	F2	A2	00	86	BF	20	2D	D6	E6	B1	F0	E7	60	84,53	Or" ? -Vf1pg`
D8B0	20	00	00	00	20	C2	D9	A9	AF	A0	D8	A2	00	86	BF	20,05	BY)/ X" ?
D8C0	58	D9	4C	C8	D8	20	42	D8	F0	76	20	D1	D9	A9	00	38,6D	XYLHX BXpv QY) 8
D8D0	E5	B1	85	B1	20	6D	D8	E6	B1	F0	BA	A2	FC	A9	01	A4,CB	e1 1 mXflp:" ) \$
D8E0	BA	C4	B2	D0	10	A4	BB	C4	B3	D0	0A	A4	BC	C4	B4	D0,33	:D2P \$;D3P \$<D4P
D8F0	04	A4	BD	C4	B5	08	2A	90	09	E8	95	79	F0	32	10	34,38	\$=D5 * h yp2 4

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
D900	A9	01	28	B0	0E	06	BD	26	BC	26	BB	26	BA	B0	E6	30,F4	) (0 =&<&;&:0f0
D910	CE	10	E2	A8	A5	BD	E5	B5	85	BD	A5	BC	E5	B4	85	BC,D5	N b(=%e5 =%<e4 <
D920	A5	BB	E5	B3	85	BB	A5	BA	E5	B2	85	BA	98	4C	05	D9,04	%;e3 ;%:e2 : L Y
D930	A9	40	D0	CE	0A	0A	0A	0A	0A	85	C0	28	4C	45	D9,9E	)@PN @ (LEY	
D940	A2	14	4C	58	C2	A5	76	85	B2	A5	77	85	B3	A5	78	85,02	" LXB%v 2%w 3%x
D950	B4	A5	79	85	B5	4C	8D	D6	85	72	84	73	A0	04	B1	72,72	4%y 5L V r s 1r
D960	85	B5	88	B1	72	85	B4	88	B1	72	85	B3	88	B1	72	85,A3	5 1r 4 1r 3 1r
D970	B6	09	80	85	B2	88	B1	72	85	B1	84	C0	60	A2	AC	2C,18	6 2 1r 1 @`",,,
D980	A2	A7	A0	00	F0	04	A6	99	A4	9A	20	D1	D9	86	72	84,B8	" p & \$ QY r
D990	73	A0	04	A5	B5	91	72	88	A5	B4	91	72	88	A5	B3	91,81	s %5 r %4 r %3
D9A0	72	88	A5	B6	09	7F	25	B2	91	72	88	A5	B1	91	72	84,9D	r %6 %2 r %1 r
D9B0	C0	60	A5	BE	85	B6	A2	05	B5	B8	95	B0	CA	D0	F9	86,CD	@`%> 6" 58 0JPy
D9C0	C0	60	20	D1	D9	A2	06	B5	B0	95	B8	CA	D0	F9	86	C0,EA	@` QY" 50 8JPy @
D9D0	60	A5	B1	F0	FB	06	C0	90	F7	20	25	D7	D0	F2	4C	EE,F0	`%1p{ @ w %WPrLn
D9E0	D6	A5	B1	F0	09	A5	B6	2A	A9	FF	B0	02	A9	01	60	20,1E	V%1p %6*)0 )`
D9F0	E1	D9	85	B2	A9	00	85	B3	A2	88	A5	B2	49	FF	2A	A9,8C	aY 2) 3" %2I*)

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
DA00	00	85	B5	85	B4	86	B1	85	C0	85	B6	4C	88	D6	46	B6,5C	5 4 1 @ 6L VF6
DA10	60	85	74	84	75	A0	00	B1	74	C8	AA	F0	C4	B1	74	45,03	` t u 1tH*pDltE
DA20	B6	30	C2	E4	B1	D0	21	B1	74	09	80	C5	B2	D0	19	C8,07	60BdlP!1t E2P H
DA30	B1	74	C5	B3	D0	12	C8	B1	74	C5	B4	D0	0B	C8	A9	7F,B7	1tE3P H1tE4P H)
DA40	C5	C0	B1	74	E5	B5	F0	28	A5	B6	90	02	49	FF	4C	E7,7B	E@1te5p(%6 ILg
DA50	D9	A5	B1	F0	4A	38	E9	A0	24	B6	10	09	AA	A9	FF	85,6F	Y%1pJ8i \$6 *)
DA60	B8	20	03	D7	8A	A2	B1	C9	F9	10	06	20	4F	D7	84	B8,58	8 W "1Iy OW 8
DA70	60	A8	A5	B6	29	80	46	B2	05	B2	85	B2	20	66	D7	84,2B	`(%6) F2 2 2 fW
DA80	B8	60	A5	B1	C9	A0	B0	20	20	51	DA	84	C0	A5	B6	84,40	8`%1I 0 QZ @%6
DA90	B6	49	80	2A	A9	A0	85	B1	A5	B5	85	0D	4C	88	D6	85,83	6I *) 1%5 L V
DAA0	B2	85	B3	85	B4	85	B5	A8	60	A0	00	A2	0A	94	AD	CA,3F	2 3 4 5(` " -J
DAB0	10	FB	90	16	C9	26	D0	03	4C	FE	CD	C9	2D	D0	04	86,19	{ I&P L~MI-P
DAC0	B7	F0	04	C9	2B	D0	05	20	CC	00	90	5B	C9	2E	F0	2E,79	7p I+P L [I.p.
DAD0	C9	45	D0	30	20	CC	00	90	17	C9	A5	F0	0E	C9	2D	F0,6C	IEP0 L I%p I-p
DAE0	0A	C9	A4	F0	08	C9	2B	F0	04	D0	07	66	B0	20	CC	00,9C	I\$p I+p P f0 L
DAF0	90	5C	24	B0	10	0E	A9	00	38	E5	AE	4C	06	DB	66	AF,30	\\$0 ) 8e.L [f/

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
DB00	24	AF	50	C3	A5	AE	38	E5	AD	85	AE	F0	12	10	09	20,A1	\$/PC%.8e- .p
DB10	B4	D8	E6	AE	D0	F9	F0	07	20	98	D8	C6	AE	D0	F9	A5,F3	4Xf.Pyp XF.Py%
DB20	B7	30	01	60	4C	36	DD	48	24	AF	10	02	E6	AD	20	98,12	70 `L6]H\$/ f-
DB30	D8	68	38	E9	30	20	3B	DB	4C	C7	DA	48	20	C2	D9	68,31	Xh8i0 ;[LGZH BYh
DB40	20	F2	D9	A5	BE	45	B6	85	BF	A6	B1	4C	20	D6	A5	AE,AA	rY%>E6 ?&1L V%.
DB50	C9	0A	90	09	A9	64	24	B0	30	11	4C	34	D7	0A	0A	18,BB	I )d\$00 L4W
DB60	65	AE	0A	18	A0	00	71	D3	38	E9	30	85	AE	4C	ED	DA,6B	e. qS8i0'.LmZ
DB70	9B	3E	BC	1F	FD	9E	6E	6B	27	FD	9E	6E	6B	28	00	A9,FF	>< } nk'} nk( )
DB80	97	A0	C1	20	97	DB	A5	8A	A6	89	85	B2	86	B3	A2	90,89	A [% & 2 3"
DB90	38	20	FF	D9	20	9A	DB	4C	54	C9	A0	01	A9	20	24	B6,FB	8 Y [LTI ) \$6
DBA0	10	02	A9	2D	99	FF	00	85	B6	84	C1	C8	A9	30	A6	B1,F3	) - 6 AH)0&1
DBB0	D0	03	4C	BD	DC	A9	00	E0	80	F0	02	B0	09	A9	7A	A0,22	P L=\) ` p 0 )z
DBC0	DB	20	DE	D7	A9	F7	85	AD	A9	75	A0	DB	20	11	DA	F0,38	[ ^W)w -)u [ Zp
DBD0	1E	10	12	A9	70	A0	DB	20	11	DA	F0	02	10	0E	20	98,DF	)p [ Zp
DBE0	D8	C6	AD	D0	EE	20	B4	D8	E6	AD	D0	DC	20	FF	D5	20,E7	XF-Pn 4Xf-P\ U
DBF0	51	DA	A2	01	A5	AD	18	69	0A	30	09	C9	0B	B0	06	69,BE	QZ" %- i 0 I 0 i

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
DC00	FF	AA	A9	02	38	E9	02	85	AE	86	AD	8A	F0	02	10	13,3A	*) 8i . - p
DC10	A4	C1	A9	2E	C8	99	FF	00	8A	F0	06	A9	30	C8	99	FF,8F	\$A).H p )0H
DC20	00	84	C1	A0	00	A2	80	A5	B5	18	79	D2	DC	85	B5	A5,0E	A " %5 yR\ 5%
DC30	B4	79	D1	DC	85	B4	A5	B3	79	D0	DC	85	B3	A5	B2	79,A6	4yQ\ 4%3yP\ 3%2y
DC40	CF	DC	85	B2	E8	B0	04	10	DE	30	02	30	DA	8A	90	04,6C	O\ 2h0 ^0 0Z
DC50	49	FF	69	0A	69	2F	C8	C8	C8	C8	84	97	A4	C1	C8	AA,D1	Ii i/HHHH \$AH*
DC60	29	7F	99	FF	00	C6	AD	D0	06	A9	2E	C8	99	FF	00	84,15	) F-P ).H
DC70	C1	A4	97	8A	49	FF	29	80	AA	C0	24	D0	AA	A4	C1	B9,B2	A\$ I) *@\$P*\$A9
DC80	FF	00	88	C9	30	F0	F8	C9	2E	F0	01	C8	A9	2B	A6	AE,F2	I0pxI.p H)&.
DC90	F0	2E	10	08	A9	00	38	E5	AE	AA	A9	2D	99	01	01	A9,60	p. ) 8e.*) - )
DCA0	45	99	00	01	8A	A2	2F	38	E8	E9	0A	B0	FB	69	3A	99,94	E "/8hi 0{i:
DCB0	03	01	8A	99	02	01	A9	00	99	04	01	F0	08	99	FF	00,95	) p
DCC0	A9	00	99	00	01	A9	00	A0	01	60	80	00	00	00	00	FA,FC	) ) z
DCD0	0A	1F	00	00	98	96	80	FF	F0	BD	C0	00	01	86	A0	FF,65	p=@
DCE0	FF	D8	F0	00	00	03	E8	FF	FF	FF	9C	00	00	00	0A	FF,B9	Xp h
DCF0	FF	FF	FF	20	C2	D9	A9	CA	A0	DC	20	58	D9	F0	70	A5,B6	BY)J \ XYpp%

	00	01	02	03	04	05	06	07	08	09	0A	0B	0C	0D	0E	0F	
DD00	B9	D0	03	4C	AF	D6	A2	9E	A0	00	20	8A	D9	A5	BE	10,E9	9P L/V" Y%>
DD10	0F	20	82	DA	A9	9E	A0	00	20	11	DA	D0	03	98	A4	0D,82	Z) ZP \$
DD20	20	B4	D9	98	48	20	A0	D7	A9	9E	A0	00	20	DE	D7	20,82	4Y H W) ^W
DD30	6F	DD	68	4A	90	0A	A5	B1	F0	06	A5	B6	49	FF	85	B6,44	o]hJ %1p %6I 6
DD40	60	81	38	AA	3B	29	07	71	34	58	3E	56	74	16	7E	B3,BE	` 8*;) q4X>Vt ~3
DD50	1B	77	2F	EE	E3	85	7A	1D	84	1C	2A	7C	63	59	58	0A,D0	w/nc z * cYX
DD60	7E	75	FD	E7	C6	80	31	72	18	10	81	00	00	00	00	A9,E2	~u}gF lr )
DD70	41	A0	DD	20	DE	D7	A5	C0	69	50	90	03	20	D9	D9	85,7D	A ] ^W%iP YY
DD80	A6	20	C5	D9	A5	B1	C9	88	90	03	20	8A	D8	20	82	DA,19	& EY%1I X Z
DD90	A5	0D	18	69	81	F0	F3	38	E9	01	48	A2	05	B5	B9	B4,E3	% i ps8i H" 594
DDA0	B1	95	B1	94	B9	CA	10	F5	A5	A6	85	C0	20	09	D6	20,A5	1 1 9J u%& @ V
ddb0	36	DD	A9	46	A0	DD	20	D8	DD	A9	00	85	BF	68	20	6F,DD	6])F ] X]) ?h o
DDC0	D8	60	85	C1	84	C2	20	80	D9	A9	A7	20	DE	D7	20	DC,3B	X` A B Y)' ^W \
DDD0	DD	A9	A7	A0	00	4C	DE	D7	85	C1	84	C2	20	7D	D9	B1,BC	])' L^W A B }Y1
DDE0	C1	85	B7	A4	C1	C8	98	D0	02	E6	C2	85	C1	A4	C2	20,C4	A 7\$AH P fB A\$B
DDF0	DE	D7	A5	C1	A4	C2	18	69	05	90	01	C8	85	C1	84	C2,B0	^W%A\$B i H A B

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00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
DE00 20 1D D6 A9 AC A0 00 C6 B7 D0 E4 60 98 35 44 7A,D4 V), F7Pd` 5Dz
DE10 68 28 B1 46 20 E1 D9 AA 30 18 A9 E4 A0 00 20 58,CC h(1F ay*0 )d X
DE20 D9 8A F0 E7 A9 0C A0 DE 20 DE D7 A9 10 A0 DE 20,65 Y pg) ^ ^W) ^
DE30 1D D6 A6 B5 A5 B2 85 B5 86 B2 A9 00 85 B6 A5 B1,B6 V&5%2 5 2) 6%1
DE40 85 C0 A9 80 85 B1 20 8D D6 A2 E4 A0 00 4C 8A D9,B2 @) 1 V"d L Y
DE50 E6 D3 D0 02 E6 D4 AD 60 EA C9 3A B0 0A C9 20 F0,84 fSP fT-`jI:0 I p
DE60 EF 38 E9 30 38 E9 D0 60 80 4F C7 52 58 20 86 8B,86 o8i08iP` OGRX
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DE90 09 A9 4C 85 00 85 03 85 A4 85 C3 85 C9 85 C6 85,3B )L $ C I F
DEA0 0A A9 02 A0 D0 85 0B 84 0C 85 C4 84 C5 A9 87 A0,E2 ) P D E)
DEB0 8E 85 C7 84 C8 A9 78 A0 8C 85 CA 84 CB A9 48 85,69 G H)x J K)H
DEC0 1A A9 38 85 1B A2 1C BD 4F DE 95 CB CA D0 F8 A9,47 )8 " =O^ KJPx)
DED0 03 85 A3 8A 85 B8 85 68 85 18 48 85 17 20 FE C8,8D # 8 h H ~H
DEE0 A2 69 86 66 A9 A8 A0 DF 20 54 C9 20 DC C9 86 D3,AF "i f)( _ TI \I S
DEF0 84 D4 20 CC 00 A8 D0 25 A9 00 A0 02 85 7B 84 7C,DB T L (P%) { |

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00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
DF00 85 1C 84 1D A0 00 E6 1C D0 02 E6 1D A9 55 91 1C,3F f P f )U
DF10 D1 1C D0 15 0A 91 1C D1 1C D0 0E F0 E9 20 D2 00,5E Q P Q P pi R
DF20 20 F5 C7 A8 F0 03 4C B6 CC A5 1C A4 1D 85 87 84,B5 uG(p L6L% $
DF30 88 A9 B4 A0 DF 20 54 C9 20 DC C9 86 D3 84 D4 20,EC )4 _ TI \I S T
DF40 CC 00 A8 F0 1C 20 F5 C7 A5 1D D0 E5 A5 1C C9 10,59 L (p _ uG% Pe% I
DF50 90 DF 85 1A E9 0E B0 FC 49 FF E9 0C 18 65 1A 85,63 i 0|i i e
DF60 1B A2 00 A0 02 86 7B 84 7C A0 00 98 91 7B E6 7B,68 " { | {f{
DF70 D0 02 E6 7C 20 58 C4 A5 7B A4 7C 20 29 C2 20 FE,41 P f| XD%{$| )B ~
DF80 C8 A5 87 38 E5 7B AA A5 88 E5 7C 20 8A DB A9 BA,ED H% 8e(*% e| []):
DF90 A0 DF 20 54 C9 A9 54 A0 C9 85 04 84 05 A9 7E A0,E8 _ TI)T I )~
DFA0 C2 85 01 84 02 6C 01 00 4D 45 4D 4F 52 59 20 53,6F B _ 1 MEMORY S
DFB0 49 5A 45 00 57 49 44 54 48 00 20 42 59 54 45 53,7E IZE WIDTH BYTES
DFC0 20 46 52 45 45 0D 0A 0D 0A 42 41 53 49 43 20 56,C6 FREE BASIC V
DFD0 31 2E 31 0D 0A 43 4F 50 59 52 49 47 48 54 20 31,77 1.1 COPYRIGHT 1
DFE0 39 37 38 20 53 59 4E 45 52 54 45 4B 20 53 59 53,D3 978 SYNERTEK SYS
DFF0 54 45 4D 53 20 43 4F 52 50 2E 0D 0A 00 00 00 00,A5 TEMS CORP.

```

Memory block \$C000-\$DFFF checksum: 00A5

Enter range limits for raw ASCII dump: C000-DFFF

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Memory block \$C000-\$DFFF checksum: 00A5



This BASIC mapping appeared in the June/July 1980 copy of Compute II and can be used to investigate the differences between the various 6502 Basic's of the time.

All the early 6502 BASIC's were essentially the same, only the I/O routines and vectors were different along with certain base page usage's.

# Basic Memory Map (Page 0)

Compiled by Jim Butterfield. Copyright Jim Butterfield, 1980  
OSI is C2-4P. There may be differences in particular implementations of Basic.

KIM	SYM	AIM	OSI	DESCRIPTION
----	----	----	----	-----
0000	0000			New-line jump
0003	000A	0003		USR jump
0006	0008	B006		Vector to 'fixed-to-floating' subroutine
0008	0006	B008		Vector to 'floating-to-fixed' subroutine
000A	000D	0006	005B	Search character
000B	000E	0007	005C	Scan-between-quotes flag
000C	000F	0008	005D	Input buffer pointer; # of subscripts
000D	0010	0009	005E	Default DIM flag
000E	0011	000A	005F	Type: FF=string, 00=numeric
000F	0012	000B		Type: 80=integer, 00=floating point
0010	0013	000C	0060	Flag: DATA scan; LIST quote; memory
0011	0014	000D	0061	Subscript flag; FNX flag
0012	0015	000E	0062	00=INPUT; \$40=GET; \$98=READ
0013	0016	000F	0063	Comparison evaluation flag
0014	0017	0010	0064	Input flag (suppress output)
0016	0019	0011	000E	Position on print line
0017	001A	0012	000F	Maximum print line width
0018	001B	0013	0010	Input column limit
0019	001C	0014	0011	Integer value (for GOTO etc)
001B	001E	0016	0013	Start of input buffer
0062	0065	005D	005A	End of input buffer
0063	0066	005E	0065	Pointers for descriptor stack
0066	0069	0061	0068	Descriptor stack (temp strings)
006E	0071	0069	0070	End of descriptor stack
006F	0072	0072	0071	Utility pointer area
0073	0076	006E	0075	Product area for multiplication
0078	007B	0073	0079	Pointer: Start-of-Basic
007A	007D	0075	007B	Pointer: Start-of-Variables
007C	007E	0077	007D	Pointer: Start-of-Arrays
007E	0081	0079	007F	Pointer: End-of-Arrays
0080	0083	007B	0081	Pointer: String storage (moving down)
0082	0085	007D	0083	Utility string pointer
0084	0087	007F	0085	Pointer: Limit-of-memory
0086	0089	0081	0087	Current Basic line number
0088	008B	0083	0089	Previous Basic line number
008A	008D	0085	008B	Pointer: Basic statement for CONT
008C	008F	0087	008D	Current DATA line number
008E	0091	0089	008F	Current DATA address
0090	0093	008B	0091	Input vector
0092	0095	008D	0093	Current variable name
0094	0097	008F	0095	Current variable address
0096	0099	0091	0097	Variable pointer for FOR/NEXT
0098	009B	0093	0099	Start of work area, pointers, etc

00A1	00A4	009C	00A1	Jump vector for functions
00A4	00A7	009F	00A4	Misc. numeric work area
00AE	00B1	00A9	00AC	Accum#1: Exponent
00AF	00B2	00AA	00AD	Accum#1: Mantissa
00B3	00B6	00AE	00B0	Accum#1: Sign
00B4	00B7	00AF	00B1	Series evaluation constant pointer
00B5	00B8	00B0	00B2	Accum#1: hi-order (overflow)
00B6	00B9	00B1	00B3	Accum#2: Exponent, etc.
00BC	00BF	00B7	00B8	Sign comparison, Acc#1 vs #2
00BD	00C0	00B8	00B9	Accum#1 lo-order (rounding)
00BE	00C1	00B9	00BA	Series pointer
00C3	00BB			Error jump
	00C6			SAVE jump
	00C9			LOAD jump
00C0	00CC	00BF	00BC	CHARGE subroutine; get Basic char
00C6	00D2	00C5	00C2	Sub entry: get prev character
00C7	00D3	00C6	00C3	Basic pointer (within subroutine)
00D8	00E4	00D7	00D4	Random number seed

# Some Routines From Microsoft 6502 Basic

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Routines were identified by examining specific machines. There may well be other versions of Basic on these machines. The user is urged to exercise caution.

OSI is from a C2-4 machine. KIM is a cassette tape version. SYM and AIM are the ROM versions. The addresses given identify the start of the area in which the described routine lies. This may not be the proper program entry point or calling address.

KIM	SYM	AIM	OSI	DESCRIPTION
2000	C003	B00A	A000	Action addresses for primary keywords
203A	C03D	B044	A038	Action addresses for functions
2068	C06B	B072	A066	Hierarchy and action addresses for operator
2086	C089	B090	A084	Table of Basic keywords
2169	C16E	B175	A164	Basic messages, mostly error messages
2274	C1AB	B1AC	A1A1	Search the stack for FOR or GOSUB activity
22A2	C1D9	B1DA	A1CF	Open up space in memory
22E5	C21C	B21D	A212	Test: stack too deep?
22F2	C229	B22A	A21F	Check available memory
231F	C256	B257	A24C	Send canned error message, then:
2348	C27E	B27F	A274	Warm start; wait for Basic command
236A	C2A0	B29D	A295	Handle new Basic line input
23F1	C32C	B329	A32E	Rebuild chaining of Basic lines
2420	C359	B356	A34B	Receive line from keyboard
2466	C39F	B3AE	A3A6	Crunch keywords into Basic tokens
24F2	C427	B436	A432	Search Basic for given line number
2521	C456	B465	A461	Perform NEW
253C	C472	B481	A68C	Perform CLEAR
256B	C49F	B4AE	A4A7	Reset Basic execution to start
2579	C4AC	B4BC	A4B5	Perform LIST
2608	C535	B55C	A556	Perform FOR
26AA	C5DA	B601	A5FF	Execute Basic statement
26CB	C60A	B631	A61A	Perform RESTORE
26DA	C619	B640	A62C	Check stop key
26E8	C622	B65C	A638	Perform STOP or END
2711	C64B	B685	A661	Perform CONT
2728	C665		A67B	Perform NULL
273C	C676	B69F	FFF7	Perform SAVE
278C	C6B7		FFF4	Perform LOAD
		B6AB		Special AIM input routines
27CA	C707	B6EC	A691	Perform RUN
27D5	C712	B6F7	A69C	Perform GOSUB
27F2	C72F	B714	A6B9	Perform GOTO
281F	C75C	B741	A6E6	Perform RETURN, then:
2845	C782	B767	A70C	Perform DATA: skip statement
2853	C790	B775	A71A	Scan for next Basic statement
2857	C793	B778	A71D	Scan for next Basic line
2875	C7B2	B797	A73C	Perform IF, and perhaps:
2888	C7C5	B7AA	A74F	Perform REM: skip line
2898	C7D5	B7BA	A75F	Perform ON
28B8	C7F5	B7DA	A77F	Input fixed-point number
28F2	C82F	B814	A7B9	Perform LET
		B89D		Enable printer

297B	C8B8	B8A9	A829	Perform PRINT
2A13	C94F	B94A	A8C3	Print string from memory
2A35	C971	B967	A8E0	Print single format character
2A59	C991	B988	A904	Handle bad input data
2A7E		B9AD		Perform GET
2A8D	C980	B9BC	A923	Perform INPUT
2AB0	C9DC	B9E7	A946	Prompt and receive input
2AB9	C9E5	B9F0	A94F	Perform READ
2BA2	CAB4	BADC	AA1C	Canned input error messages
2BC6	CAD8	BB00	AA40	Perform NEXT
2C34	CB43	BB59	AAAD	Check type mismatch
2C48	CB57	BB7F	AAC1	Evaluate expression
2D82	CC9F	BCB9	ABF5	Evaluate expression within parentheses
2D88	CCA5	BCBF	ABFB	Check parenthesis, comma
2D99	CCB6	BCD0	AC0C	Syntax error exit
2D9E	CCBB	BCD5	AC11	Setup for functions
2DA5	CCC2	BCDC	AC18	Variable name setup
2DC5	CCE6	BD00	AC27	Set up function references
2E04	CD25	BD3F	AC66	Perform OR, AND
2E34	CD55	BD6F	AC96	Perform comparisons
2E9F	CE11	BDDA	AD01	Perform DIM
2EA9	CE5F	BDE4	AD0B	Search for variable
2F3D	CEF3	BE78	AD8B	Create new variable
2FA3	CF57	BEDC	ADE6	Setup array pointer
2FB4	CF68	BEED	ADF7	Evaluate integer expression
2FD4	CF8B	BF10	AE17	Find or make array
3181	D138	C0BD	AFAD	Perform FRE, and:
3195	D14C	C0D1	AFC1	Convert fixed-to-floating
31A2	D159	C0DE	AFCE	Perform POS
31A8	D15F	C0E4	AFD4	Check not Direct
31B2	D16C	C0F1	AFDE	Perform DEF
31E0	D19A	C11F	B00B	Check FNx syntax
31F3	D1AD	C132	B01E	Evaluate FNx
3266	D2Le	C1A3	B08C	Perform STR\$
3276	D22E	C1B3	B09C	Do string vector
3288	D240	C1C5	B0AE	Scan, set up string
32EF	D2A9	C232	B115	Build descriptor
????	D2DB	C264	B147	Garbage collection
????	D3F2	C37B	B24D	Concatenate
????	D42F	C3B8	B28A	Store string
349A	D458	C3E1	B283	Discard unwanted string
34D2	D490	C419	B2EB	Clean descriptor stack
34E3	D4A1	C42A	B2FC	Perform CHR\$
34F7	D4B5	C43E	B310	Perform LEFT\$
3523	D4E1	C46A	B33C	Perform RIGHT\$
352E	D4EC	C475	B347	Perform MID\$
3556	D516	C49F	B36F	Pull string data
3573	D531	C4BA	B38C	Perform LEN
3579	D537	C4C0	B392	Switch string to numeric
3582	D540	C4C9	B39B	Perform ASC
3592	D550	C4D9	B3AB	Get byte parameter
35A4	D562	C4EB	B3BD	Perform VAL
35E3	D5A1	C52A	B3FC	Get two parameters for POKE or WAIT
35EF	D5AD	C536	B408	Convert floating-to-fixed
3605	D5C3	C54C	B41E	Perform PEEK
3610	D5DA	C563	B429	Perform POKE
3619	D5E3	C56C	B432	Perform WAIT

3635	D5FF	C588	B44E	Add 0.5
363C	D606	C58F	B455	Perform subtraction
364E	D618	C5A6	B467	Perform addition
3765	D6FD	C686	B537	Complement accum#1
379C	D734	C6BD	B564	Overflow exit
37A1	D739	C6C2	B569	Multiply-a-byte
3802	D772	C6FB	B59C	Constants
3830	D7A0	C729	B5BD	Perform LOG
386E	D7DE	C76A	B5F8	Perform multiplication
3904	D842	C7CB	B64D	Unpack memory into accum#2
392F	D86D	C7F6	B673	Test & adjust accumulators
394C	D88A	C813	B690	Handle overflow and underflow
395A	D898	C821	B69E	Multiply by 10
3971	D8AF	C838	B6B5	10 in floating binary
3976	D8B4	C83D	B6B9	Divide by 10
3987	D8C5	C846	B6CA	Perform divide-by
398C	D8CA	C851	B6CF	Perform divide-into
3A1A	D958	C8E1	B74B	Unpack memory into accum#1
3A3F	D97D	C906	B76B	Pack accum#1 into memory
3A74	D982	C93B	B79B	Move accum#2 to #1
3A84	D9C2	C94B	B7AB	Move accum#1 to #2
3A93	D9D1	C95A	B7BA	Round accum#1
3AA3	D9E1	C96A	B7CA	Get accum#1 sign
3AB1	D9EF	C978	B7D8	Perform SGN
3AD0	DA0E	C997	B7F5	Perform ABS
3AD3	DA11	C99A	B7F8	Compare accum#1 to memory
3B13	DA51	C9DA	B831	Floating-to-fixed
3B44	DA82	CA0B	B862	Perform INT
3B6B	DAA9	CA32	B887	Convert string to floating-point
3C0A	DB3B	CABD	B912	Get new ASCII digit
3C3F	DB70	CAF2	B947	Constants
3C4E	DB7F	CB01	B953	Print IN, then:
3C55	DB86	CB0C	B95A	Print Basic line #
3C69	DB9A	CB1C	B96E	Convert floating-point to ASCII
3D99	DCCA	CC4C	BA96	Constants
3DC2	DCF3	CC75	BAAC	Perform SQR
3DCC	DCFD	CC7F	BAB6	Perform power function
3E05	DD36	CCB8	BAEF	Perform negation
3E10	DD41	CCC3	BAFA	Constants
3E3E	DD6F	CCF1	BB1B	Perform EXP
3E91	DDC2	CD44	BB6E	Series evaluation
3ED8	DE0C	CD8E	BBB8	RND constants
3EE3	DE14	CD96	BBC0	Perform RND
3F1F		CDD2	BBFC	Perform COS
3F26		CDD9	BC03	Perform SIN
3F6F		CE22	BC4C	Perform TAN
3F9B		CE86	BC78	Constants
3FD3			BC99	Perform ATN
4003			BCC9	Constants
4041	DE50	CE86	BCEE	CHRGET sub for zero page

Remaining routines are Basic startup.

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