

00000			IDENT	CORDP1	
00001			PTP	EQU	/30
00002			CRT	EQU	/11
00003			S	EQU	1
00004			H	EQU	0
00005	0000		BTYCC	RES	1
00006	0002		BUF	RES	65
00007	0004		BUFXR	RES	2
00008	0008			RES	2
00009			STACK	EQU	*-2
00010			*		
00011			*		
00012	008C	0101	CRTIN	LDK	A1, 1
00013	008E	41D1		CIO	A1, 5, CRT
00014	0090	5C04		RB(4)	*-2
00015	0092	4911	CRT1	INR	A1, 0, CRT
00016	0094	5C04		RB(4)	*-2
00017	0096	E139		SCR	A1, A6
00018	0098	1601		ADK	A6, 1
00019	009A	1F01		SUK	A7, 1
00020	009C	590C		RB(1)	CRT1
00021	009E	4791	CRT2	CIO	A7, H, CRT
00022	00A0	4FD1		SST	A7, CRT
00023	00A2	5C04		RB(4)	*-2
00024	00A4	F03A		RTN	A14
00025			*		
00026			*		
00027	00A6	0A0D	MOUT	DATA	/0A0D
00028	00A8	443A		DATA	'D:'
00029	00AA	0100	CRTOUT	LDK	A1, 0
00030	00AC	8520		LDKL	A5, MOUT
	00AE	00A6	R		
00031	00B0	41D1		CIO	A1, 5, CRT
00032	00B2	5C04		RB(4)	*-2
00033	00B4	E134	CRT01	LCR	A1, A5
00034	00B6	4111		QTR	A1, 0, CRT
00035	00B8	5C04		RB(4)	*-2
00036	00BA	1501		ADK	A5, 1
00037	00BC	1F01		SUK	A7, 1
00038	00BE	590C		RB(1)	CRT01
00039	00C0	5F24		RB(7)	CRT2
00040			*		
00041			*		
00042	00C2	8602	PCH2	LDR	A6, A8
00043	00C4	811C		LDR	A1, A7
00044	00C6	0500		LDK	A5, 0
00045	00C8	B538	EXOR1	XRR*	A5, A6
00046	00CA	1602		ADK	A6, 2
00047	00CC	1902		SUK	A1, 2
00048	00CE	5900		RB(1)	EXOR1

1= INPUT

IN: A7= CHAR COUNT

A6= BUF ADDR

OUT: A7= SST

A6= ADR LAST CHAR +1

A1= LAST CHAR.

IN: A7= CHAR COUNT

OUT: A7= SST

A1= LAST CHAR

A5= ADR LAST CHAR+1

IN: A7= CHAR COUNT FROM

BTYCC+0 TO XR-1

00049	00D0	8539		STR	A5, A6	STORE CHECK WORD
00050	00D2	8520		LDKL	A5, /F00F	
	00D4	F00F				
00051	00D6	1602		ADK	A6, 2	
00052	00D8	8539		STR	A5, A6	STORE END OF CLUSTER
00053	00DA	1704		ADK	A7, 4	CHAR COUNT+XR+EOC
00054	00DC	8602		LDR	A6, A8	
00055	00DE	41F0	PTP0UT	CIO	A1, S, PTP	
00056	00E0	5C04		RB(4)	*-2	
00057	00E2	E138	PTP1	LCR	A1, A6	PUNCH WHOLE CLUSTER
00058	00E4	4130		OTR	A1, 0, PTP	
00059	00E6	5C04		RB(4)	*-2	
00060	00E8	1601		ADK	A6, 1	
00061	00EA	1F01		SUK	A7, 1	
00062	00EC	590C		RB(1)	PTP1	
00063	00EE	050A		LDK	A5, 10	NBR OF BLANKS
00064	00F0	4730	PTP2	OTR	A7, 0, PTP	PUNCH BLANK
00065	00F2	5C04		RB(4)	*-2	
00066	00F4	1D01		SUK	A5, 1	OUT: A7= SST
00067	00F6	5908		RB(1)	PTP2	A6= ADR(EOC)+2
00068	00F8	47B0		CIO	A7, H, PTP	A1= /F
00069	00FA	4FF0		SST	A7, PTP	
00070	00FC	5C04		RB(4)	*-2	
00071	00FE	F03A		RTN	A14	
00072			*			
00073			*			
00074	0100	0100	HEBI	LDK	A1, 0	IN: A6= ADR(L. S. CHAR)+2
00075	0102	1E01		SUK	A6, 1	
00076	0104	0304		LDK	A3, 4	OUT: A6= ADR(M. S. CHAR)
00077	0106	1E01	HEBI1	SUK	A6, 1	A2= BIN VALUE
00078	0108	E138		LCR	A1, A6	A1=A3=0
00079	010A	1930		SUK	A1, /30	
00080	010C	5200	F	RF(2)	CORDF	< '0'
00081	010E	E920		CWK	A1, 10	
	0110	000A				
00082	0112	5200	F	RF(2)	OK	< 10
00083	0114	1911		SUK	A1, /11	
00084	0116	5200	F	RF(2)	CORDF	< 'A'
00085	0118	1905		SUK	A1, 5	
00086	011A	5100	F	RF(1)	CORDF	> 'F'
00087	011C	110F		ADK	A1, 15	
00088	011E	3064	OK	DRL	4	CHAR IN A2
00089	0120	1B01		SUK	A3, 1	
00090	0122	591E		RB(1)	HEBI1	
00091	0124	F03A		RTN	A14	
00092			*			
00093			*			
00094	0126	20BF	CORDF	INH		
00095	0128	06A0		LDKL	A14, STACK	
	012A	000A	R			

00096	012C	87A0		LDKL	A15, CRTIN	
	012E	808C	R			
00097	0130	85A0		LDKL	A13, CRTOUT	
	0132	80AA	R			
00098	0134	83A0		LDKL	A11, /7FFE	
	0136	7FFE				
00099	0138	82A0		LDKL	A10, BUF	
	013A	0002	R			
00100	013C	81A0		LDKL	A9, HEBI	
	013E	0100	R			
00101	0140	80A0		LDKL	A8, BTYCC	
	0142	0000	R			
00102	0144	84A0		LDKL	A12, PCH2	
	0146	00C2	R			
00103	0148	0704		CMND	LDK	A7, 4
00104	014A	F697		CFR	A14, A13	OUTPUT D:
00105	014C	0701		READ	LDK	A7, 1
00106	014E	860A		LDR	A6, A10	
00107	0150	F69F		CFR	A14, A15	INPUT 1 CHAR.
00108	0152	1941		SUK	A1, /41	A
00109	0154	5400	F	RF(4)	TSTART	NOT AN A
00110	0156	0702		ASCII	LDK	A7, 2
00111	0158	F697		CFR	A14, A13	OUTPUT CR LF
00112	015A	01F0		LDK	A1, /F0	STORE TYPE
00113	015C	E123		SCR	A1, A8	
00114	015E	860A		READA1	LDR	A6, A10
00115	0160	0701		READA2	LDK	A7, 1
00116	0162	F69F		CFR	A14, A15	A6= ADR. BUF
00117	0164	1903		SUK	A1, /03	ETX
00118	0166	5000	F	RF(0)	PCH1	
00119	0168	EE20		CWK	A6, BUFXR	
	016A	0004	R			
00120	016C	5A0E		RB(2)	READA2	
00121	016E	A60E		PCH1	ANR	MAKE EVEN
00122	0170	8718		LDR	A7, A6	A7= ADR LAST CHAR +1
00123	0172	9F0A		SUR	A7, A10	
00124	0174	E74B		SC	A7, -1, A10	STORE CHAR COUNT
	0176	FFFF				
00125	0178	1702		ADK	A7, 2	PUNCH-CHAR. COUNT
00126	017A	F693		CFR	A14, A12	PUNCH CLUSTER
00127	017C	5F58		RB(7)	CORDP	
00128	017E	1912		TSTART	SUK	A1, /12
00129	0180	5400	F	RF(4)	TSTART	S
00130	0182	860A		LDR	A6, A10	NOT AN S
00131	0184	0706		LDK	A7, 6	READ START ADDR.
00132	0186	F69F		CFR	A14, A15	READ 6 CHAR, 1ST ONE D
00133	0188	190D		SUK	A1, /0D	TEST LAST CHAR
00134	018A	5C66		RB(4)	CORDP	NOT A CR
00135	018C	F607		CFR	A14, A9	CONVERT TO BINARY
00136	018E	822B		STR	A2, A10	

00137	0190	8120		LDKL	A1, /F202	TYPE AND CHAR COUNT
	0192	F202				
00138	0194	8123		STR	A1, A8	
00139	0196	0704		LDK	A7, 4	
00140	0198	F693		CFR	A14, A12	
00141	019A	207F		HLT		END OF CORDP
00142	019C	5F04		RB(7)	*-2	
00143	019E	1110	TCODE	ADK	A1, /10	C
00144	01A0	5C7C		RB(4)	CORDP	NOT A C
00145	01A2	860A		LDR	A6, A10	
00146	01A4	070B		LDK	A7, 11	READ 1ST AND LAST ADDR
00147	01A6	F69F		CFR	A14, A15	
00148	01A8	190D		SUK	A1, /0D	TEST LAST CHAR
00149	01AA	5C86		RB(4)	CORDP	NOT A CR
00150	01AC	F687		CFR	A14, A9	CONVERT TO BIN.
00151	01AE	8408		LDR	A4, A2	A4= LAST ADDR.
00152	01B0	A40E		ANR	A4, A11	MAKE EVEN
00153	01B2	1402		ADK	A4, 2	A4= ADR LAST CHAR +1
00154	01B4	F687		CFR	A14, A9	CONVERT, A2= 1ST ADR
00155	01B6	A20E		ANR	A2, A11	MAKE EVEN
00156	01B8	01F1		LDK	A1, /F1	TYPE
00157	01BA	E123		SCR	A1, A8	STORE TYPE
00158	01BC	822B	CODE1	STR	A2, A10	LOAD ADR IN BUF
00159	01BE	8308		LDR	A3, A2	
00160	01C0	1280		ADK	A2, 128	MAX CLUSTER LENGTH
00161	01C2	EA10		CWR	A2, A4	
00162	01C4	5200	F	RF(2)	CODE2	
00163	01C6	8210		LDR	A2, A4	
00164	01C8	8708	CODE2	LDR	A7, A2	CODE-CHAR COUNT
00165	01CA	9F0C		SUR	A7, A3	CODE-CHAR COUNT
00166	01CC	851C		LDR	A5, A7	
00167	01CE	1702		ADK	A7, 2	+ LOAD-ADR WORD
00168	01D0	E74B		SC	A7, -1, A10	
	01D2	FFFF				
00169	01D4	1702		ADK	A7, 2	
00170	01D6	860A		LDR	A6, A10	
00171	01D8	1602		ADK	A6, 2	
00172	01DA	812C	MOVE	LDR*	A1, A3	LOAD CODE
00173	01DC	8139		STR	A1, A6	STORE CODE
00174	01DE	1602		ADK	A6, 2	
00175	01E0	1302		ADK	A3, 2	
00176	01E2	1D02		SUK	A5, 2	
00177	01E4	590C		RB(1)	MOVE	
00178	01E6	F693		CFR	A14, A12	PUNCH CLUSTER
00179	01E8	EA10		CWR	A2, A4	
00180	01EA	58C6		RB(8)	CORDP	
00181	01EC	5F32		RB(7)	CODE1	
00182				END	CORDP	

SYMBOL TABLE

PTP	0030	A	CRT	0011	A	S	0001	A	H	0000	A
BTYCC	0000	R	BUF	0002	R	BUFXR	0084	R	STACK	008A	R
CRTIN	000C	R	CRT1	0092	R	CRT2	009E	R	MOUT	00A6	R
CRTOUT	00AA	R	CRT01	00B4	R	PCH2	00C2	R	EXOR1	00C8	R
PTPQUT	00DE	R	PTP1	00E2	R	PTP2	00F0	R	HEBI	0100	R
HEBI1	0106	R	CORDP	0126	R	OK	011E	R	CMND	0148	R
READ	014C	R	TSTART	017E	R	ASCII	0156	R	READA1	015E	R
READA2	0160	R	PCH1	016E	R	TCODE	019E	R	CODE1	01BC	R
CODE2	01C8	R	MOVE	01DA	R						

ASS. ERR. 00000