CLEAR STORAG CLEAR STORAG BOOTSTRAP	E 2	L0681	.105106.110117B	044,049,053053N000 101/191#071029C029 047054,061068,072/	0000N00001026 9056B026/B001/0991 /061039	,001/001 ,0010	117I0? 011040			1 2 3			
			FORTRAN COMPILER REPLACE PHASE 2 PHASE 55						PAGE				
SEQ PG LIN	LABEL	OP	PERANDS			SFX CT	LOCN	INSTRUCTION	TYPE	CARD			
101		JOB	ORTRAN COMPILER	REPLACE PHASE	2 PHASE 55								
102		CTL	611										
103	*												
				LOATING-WORD WORK-									
105				OBJECT PROGRAM.									
				ABLE ROUTINES ARE									
				E ADDRESSES OF THE	ESE ROUTINES.								
108		ED CORI	STORAGE IS CLEA	RED.									
109	*	DOM	10				0000						
110	X1	EQU	19				0089						
111 112	X2 X3	EQU EQU					0094 0099						
113	Λ3 *	EQU	19				0099						
114	* STITE	TN T	RESIDENT AREA										
115	*												
116	PHASID	EOU	.10 PHASE ID, F	OR SNAPSHOT DUMPS	FROM SUBSC		0110						
117	SUBENT	EOU	.91 ENTRY TO SU	BSCRIPT ROUTINE, E	FROM SUBSC		0191						
118	SNAPSH	EOU	333 CORE DUMP S	NAPSHOT			0333						
119	TOPCOR	EQU	88 TOP CORE AD	DRESS FROM PARAM (VERLAY OF OVERLAY LOADER	CARD		0688						
120	LOADNX	EQU	00 LOAD NEXT O	VERLAY			0700						
121	CLEARL	EQU	07 CS AT START	OF OVERLAY LOADER	₹		0707						
122	TPREAD	EQU	80 TAPE READ I	NSTRUCTION IN OVER	RLAY LOADER		0780						
123	LOADXX	EQU	'93 EXIT FROM O	VERLAY LOADER			0793						
124		EQU	33 BOTTOM OF C	ORE TO CLEAR IN OV	/ERLAY LOADER		0833						
125	*												
126	* STUF	F IN P	SE 52A										
127	*						0000						
128	SUBSC	EQU	09 SUBSCRIPT	ENIRY IN FUNCTION	TABLE		0909						
129 130	CONBOI	EQU	33 BOTTOM OF	ADDAYC 1			0930 0933						
131	*	EQU	OS BOITOM OF	ARRAIS - I			0933						
132	* RUNT	IME VDI	FCCFC										
133	*												
134	ARITF	EOU	00 ARITHMETIC	INTERPRETER	O NORMAL		0700						
135	FMTBAS	EOU	.697 BASE ADDRE	SS FOR LIMITED AND	NORMAL		1697						
136	*												
137		ORG	34					0934					
138 934	BEGINN	SBR	X3,1&X3			7	0934	H V13 0?1		4			
								, 0?1		4			
140 945			X2,0&X2					H V16 0!0		4			
141 952			X1,0&X1			7	0952	H V19 0 0		4			
142 959			R SX1,0&X1 7 0952 H V TOPCOR,X2 7 0959 M 6 0&X2 4 0966 C 0							4			
143 966		C	&X2			4	0966	C 0!0		4			
144 970		C					0970			4			
145 971 146 972		C SBR	202				0971	Н Т93		5 5			
146 972		MCW	.393 86 , X2					н 193 М 086 094					
T#1 2/0		1.1 C AA	10,A2			/	0210	r1 000 034		5			

phase-55	.248.a	SC	Mon .	Jul 14 23:50:06 2008	2			
		FORTRA	N COMPII	LER REPLACE PHASE 2 PHASE	55		PA	AGE 2
SEQ PG LIN	LABEL (OPERAN	IDS		SFX CT	LOCN	INSTRUCTION TYPE	PE CARD
148 983		1N 0&X2					D 0!0	5
149 987 150	*	SAR SX2A			4	0987	Q V22	5
151	* GO THE	ROUGH THE RE	LOCATABI	E LIBRARY LOOKING FOR CODES				
152	* THAT	INDICATE VAR	KIOUS KIN	NDS OF RELOCATION:				
153	* T WITH	H A WORD MAR	KK MEANS	A IS AN ADDRESS IN THE FUNCTIO	N			
154	* TABI	LE; CONVERT	THE T TO	A IS AN ADDRESS IN THE FUNCTIO A B. OP CODE IS T? CHECK A FIELD ADDRESS SEMICOLON? UNDERSCORE? RIGHT BRACKET? W3 BACK TO A ADDRESS CHECK B FIELD ADDRESS SEMICOLON? UNDERSCORE? W3 BACK TO B ADDRESS WHERE YYY IS TAKEN FROM XXX.				
155	* IOOD (v3 cv	>		7	0001	C 000 V16	5
157 998	I.OOPT F	RE LOOPY	•		5	0991	B /57 S	5
158 1 003	10011 1	0.ex3			4	1003	C 030	6
159 1 007	9	SBR X2			4	1007	Н 094	6
160 1 011	5	SBR X3			4	1011	Н 099	6
161 1 015	I	BCE TRANSE	,1&X3,T	OP CODE IS T?	8	1015	B 95 0?1 T	6
162 1 023	CHECKA N	1CW 4&X3,V	13	CHECK A FIELD ADDRESS	7	1023	M 0?4 V25	6
163 1 030	I	BCE SEMUNI),W3-2,;	SEMICOLON?	8	1030	B T98 V23 ;	6 7
164 1 038	1	SEMUNI	7,W3-2,_	DICHT DDACKETS	8	1038	B 198 V23 _	7
166 1 054	1	ICW W3 4.5	.,ws-z,j	W3 BACK TO A ADDRESS	7	1054	M V25 024	7
167 1 061	CHECKB N	1CW 7&X3,V	13	CHECK B FIELD ADDRESS	7	1061	M 0?7 V25	7
168 1 068	I	BCE SEMUNI	,W3-2,;	SEMICOLON?	8	1068	B T98 V23 ;	7
169 1 076	I	BCE SEMUNI	,W3-2,_	UNDERSCORE?	8	1076	B T98 V23 _	8
170 1 084	ľ	1CW W3,7&>	13	W3 BACK TO B ADDRESS	7	1084	M V25 0?7	8
171 1 091	. I	B LOOP			4	1091	В 991	8
172	* DEDIA	ים יי עעע היים	rii b vvv	WHERE YYY IS TAKEN FROM XXX.				
175 1 095	TRANSF I	BCE LOOP.4	1&X3.\$		8	1095	B 991 0?4 \$	8
176 1 103	(0&X3,E	3ARITF&3		7	1103	C 0?0 V29	8
177 1 110	I	BE LOOP			5	1110	B 991 S	8
178 1 115	I	BW CHECKA	4.4&X2 N	NOT A TRANSFER IF ANY	8	1115	V 23 0!4 1	9
179 1 123	H	3WZ		OF THE NEXT THREE	1	1123	V	9
100 1 124	1	SWA MCW DDANCI	1 1 c V 3 C	CHARACIERS HAS A WORD MARK	1 7	1124	N 7/30 031	9
182 1 132	1	1CW 4&X2.	(1 7	TABLE ADDRESS TO X1	7	1132	M 0!4 089	9
183 1 139	I I	1CW 0&X1,	(1 7	TABLE ENTRY TO X1 (WHY???)	7	1139	M 0 0 089	9
184 1 146	I.	1CW X1,4&2	(2	AND A ADDRESS	7	1146	M 089 0!4	9
185 1 153	I	3 CHECKA	4	NOT A TRANSFER IF ANY OF THE NEXT THREE CHARACTERS HAS A WORD MARK CONVERT TO BRANCH PABLE ADDRESS TO X1 TABLE ENTRY TO X1 (WHY???) AND A ADDRESS	4	1153	B 23	10
100								
187 188	* REPEAT	THE LOOP E	'OR THE F	FORMAT CODE				
189 1 157		ICW APASS	.I.OOPT&?	3	7	1157	M V33 01	10
190 1 164		1CW SX1,X3		•			M V19 099	10
191 1 171		1CW AFMT,					M V36 V16	10
192 1 178		LOOP			4	1178	В 991	10
193	*							
194	* CLEAR	UNUSED CORE	1					
195 196 1 182		1CW SX3,X3	2		7	1100	M V13 099	10
196 1 182		SBR X3,1&					H 099 0?1	11
157 1 105		,21. 210,102			,	1100	0,, 0.1	11

				FORTRAN COMPILER REPLACE PHASE 2 PHASE 55				PAGE	3
SEQ	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION 1	TYPE C	ARD
199 200 201	1 196 1 203 1 204 1 205 1 212		MZ MZ MCW MZ MZ	X3,K999A 83,K999B	1 1 7	1203 1204	M Y 083 V10		11 11 11 11
203	1 213		MCW C	W0007 W000D	1	1213			11 12
205	1 221 1 226		BE MCW	K999A,K999B EQUAL 83,X3	5 7	1221			12 12 12
207 208	1 233 1 237	CLRHLP	SBR	0&X3 CLEAR HUNDRED AT A TIME X3	4	1233 1237	/ 0?0 Н 099		12 12
210	1 241		C BU			1248	C 099 V07 B S33 /		12
212	1 253 1 260 1 265	CLRILP	BE	X3,SX3 CLRL1X KB1,0&X3 CLEAR	7 5 7	1260	C 099 V13 B S95 S L V37 020		13 13 13
214 215	1 272 1 276		SBR CW	X3 ONE AT 1&X3 A TIME	4	1272 1276	H 099) 0?1		13 13
216 217 218	1 280	* A3 7	ND 83	CLR1LP IN SAME HUNDREDS	4	1280	В S53		13
219		*			_				
	1 284 1 291	EQUAL *	MCW B	83,X3 CLR1LP			M 083 099 B S53		13 14
223 224 225				CORE WITH RIGHT BRACKETS, EXCEPT FOR THE CTER, WHICH GETS A RECORD MARK.					
227	1 295 1 302	CLRL1X	MCW	83,X3 RM,0&X3	7	1302	M 083 099 M V38 0?0		14 14
229	1 309		SBR MCW	X3 KRBRAK,0&X3	7	1313	H 099 M V39 0?0		14
231	1 320 1 324 1 328		MCW SBR LCA	0&X3 X3 KB1,2&X3		1324	М 0?0 Н 099 L V37 0?2		14 14 15
233	1 335 1 339		LCA MCW	KB1 SUBSC,SUBENT		1335	L V37 M 909 191		15 15
236	1 346 1 351			SNAPSH,C TPREAD&6,838		1351	B 333 C H 786 838		15 15
238	1 358 1 362 1 369		SBR	CLRBOT LOADXX&3,838 CLEARL&3,GMWM	7	1362	Н 833 Н 796 838 Н 710 V49		15 16 16
240	1 376 1 383			SNAP, PHASID LOADNX	7	1376	L V47 110 B 700		16 16
242 243 244		* * A FI	ELD BE	GINS WITH RIGHT BRACKET					
	1 387 1 394	RBRACK	SBR B	4&X3,0 CHECKB			H 0?4 000 B 61		16 16
247		*							

SEQ PS IN LABEL OP OPERANDS SEX CT LOCN INSTRUCTION TYPE CARD	L		EODEDAN COMPTLED DEDIAGE DUAGE 2 DUAGE 55				DAGE	4
* A OR B FIELD BEGINS WITH SEMICOLON OR UNDERSCORE ** SEMICOLON ADDS OR SUBTRACTS NEXT TWO DIGITS FROM CONBOT. ** AB ZONE MEANS ADD, FLSE SUBTRACT. ** B 1402 M 930 094 1 77			FORTRAN COMPILER REPLACE PHASE 2 PHASE 55				PAGE	4
	SEQ PG LIN	LABEL OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
1 1 2 2 3 3 3 8 MINUS SER SETTE 3 4 1998 H UBS 17 17 17 17 18 19 19 19 19 19 19 19	249 250 251	* SEMICOLO * UNDERSCO * AB ZONE	N ADDS OR SUBTRACTS NEXT TWO DIGITS TO ARUBOT. RE ADDS OR SUBTRACTS NEXT TWO DIGITS FROM CONBOT. MEANS ADD, ELSE SUBTRACT.					
273		SEMUND SBE	EXTT&3	4	1398	н 1185		17
273		MCW	CONBOT.X2	7	1402	M 930 094		
273		BCE	*&8,W3-2, UNDERSCORE?	8	1409	B U24 V23		
273	256 1 417	MCW	ARYBOT, X2	7	1417	м 933 094		17
273	257 1 424	BCE	NOOFF, W3, 0 NO OFFSET IF LOW ORDER DIGIT ZERO	8	1424	B U75 V25 0		17
273		BWZ	ADD, W3, B ADD UNZONED OFFSET	8	1432	V U86 V25 B		18
273	259 1 440	SW	W3-1	4	1440	, V24		18
273		DECR A	KP1,W3 SUBTRACT	7	1444	A V48 V25		18
273		BWZ	DECRX,W3,B UNZONED W3	8	1451	V U71 V25 B		18
273	262 1 459	MN	0&X2 FROM	4	1459	D 0!0		18
273	263 1 463	SAF	X2 X2	4	1463	Q 094		18
273	264 1 467	В	DECR	4	1467	B U44		18
273	265 1 471	DECRX CW	W3-1	4	1471) V24		19
273	266 1 475	NOOFF MCW	X2,W3	7	1475	M 094 V25		19
273	267 1 482	EXIT B	0	4	1482	В 000		19
273	268 1 486	ADD MN	W3,REW3&6	7	1486	D V25 V00		19
273	269 1 493	MN		1	1493	D		19
273	270 1 494	REW3 SBF	W3,0&X2 X2 PLUS UNZONED OFFSET TO W3	7	1494	H V25 0!0		19
273		В	EXIT	4	1501	B U82		19
274		*						
291 1 549 GMWM DCW 0}0								
291 1 549 GMWM DCW 0}0								
291 1 549 GMWM DCW 0}0			999	3	1507			
291 1 549 GMWM DCW 0}0			. 999	3	1510	999		
291 1 549 GMWM DCW 0}0			#3	3	1513			
291 1 549 GMWM DCW 0}0			#3	3	1516			
291 1 549 GMWM DCW 0}0			#3	3	1519			
291 1 549 GMWM DCW 0}0			#3	3	1522			
291 1 549 GMWM DCW 0}0			#3	3	1525			
291 1 549 GMWM DCW 0}0			ARITF	4	1526			
291 1 549 GMWM DCW 0}0				1	1530			
291 1 549 GMWM DCW 0}0			PASS3	3	1533			
291 1 549 GMWM DCW 0}0			FMTBAS-I ONE BEFORE FORMAT	3	1536	W96		
291 1 549 GMWM DCW 0}0			#1	1	1537			
291 1 549 GMWM DCW 0}0			변 변 	1	1538			
291 1 549 GMWM DCW 0}0			U JU CNADCILOTO	1	1539			
291 1 549 GMWM DCW 0}0			#3NAF3HU1# 1 c1	8	1547			
292 EX BEGINN B 934 23							CMADIZ	
				1	1349	D 031	GMAKK	
255 END / 000 080								23
	2,5	ENL				, 000 000		

phase	-55.24	8.asc	FORTRAN				06 200 E 2 PH	-	5			PAGE	5
SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
ADD	1486	AFMT	1536	APASS3	1533	ARITF	700	ARYBOT	933	BARITF	1526	BEGINN	934
BRANCH	1530	CHECKA	1023	CHECKB	1061	CLEARL	707	CLR1LP	1253	CLRBOT	833	CLRHLP	1233
CLRL1X	1295	CONBOT	930	DECR	1444	DECRX	1471	EQUAL	1284	EXIT	1482	FMTBAS	1697
GMWM	1549	K999A	1507	К999В	1510	KB1	1537	KP1	1548	KRBRAK	1539	LOADNX	700
LOADXX	793	LOOP	991	LOOPT	998	LOOPX	1157	NOOFF	1475	PASS3	1182	PHASID	110
RBRACK	1387	REW3	1494	RM	1538	SEMUND	1398	SNAP	1547	SNAPSH	333	SUBENT	191
SUBSC	909	SX1	1519	SX2	1516	SX2A	1522	SX3	1513	TOPCOR	688	TPREAD	780
TRANSF	1095	W3	1525	X1	89	X2	94	Х3	99				