CLEAR STO CLEAR STO BOOTSTRAF	DRAGI		L0681	L5,022026,030037,044,049,053053N000000N00001026 L6,105106,110117B101/I9I#071029C029056B026/B001/099I L5,022029,036040,047054,061068,072/061039					1 2 3
				FORTRAN COMPILER INSERT GROUP-MARK PHASE 07			PAGE	1	
SEQ PG I	LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD
101			JOB	FORTRAN COMPILER INSERT GROUP-MARK PHASE 07					
102			CTL	6611					
103		*							
104				E COLON (5-8) THAT SEPARATES EACH STATEMENT FROM					
105				AGE (PREFIX) BY A GROUP MARK WITH A WORD MARK.					
106				TEGER MODULUS BY 05 IF IT'S ZERO.					
107				NTISSA DIGITS BY 08 IF IT'S ZERO.					
108				ART (TOP ADDRESS) OF FIRST (TOP IN MEMORY)					
109		* STATE	EMENT.	REMEMBER, STATEMENTS ARE SORTED BY TYPE NOW.					
110			EOU	0.0		0000			
111 112		X1 X2	-	89 94		0089 0094			
113									
114		*	пбо			0000			
115		* STUFE	TN TI	HE RESIDENT AREA					
116		*							
117		PHASID	EOU	110 PHASE ID, FOR SNAPSHOT DUMPS		0110			
118		SNAPSH	EQU	333 CORE DUMP SNAPSHOT		0333			
119		TOPCOR	EQU	688 TOP CORE ADDRESS FROM PARAM CARD		0688			
120		IMOD	EQU	690 INTEGER MODULUS NUMBER OF DIGITS		0690			
121		MANTIS	EQU	692 FLOATING POINT MANTISSA DIGITS		0692			
122		LOADNX	EQU	700 LOAD NEXT OVERLAY		0700			
123		CLEARL	EQU	707 CS AT START OF OVERLAY LOADER		0707			
124		*							
125			ORG	838			0838		
126		LOADDD	EQU	*&1 LOAD ADDRESS		0838			
	338 345	BEGINN	MCW	83,X1	/	0838	M 083 089		4
	345	LOOP	DOE	COLON OCAL	4	0845	, 91		4
	257	SWITCH	DCE	DONE OLYI NOD TE WORKING ON FORMAT	0	0049	D 001 010 :		4
	365	DWIICH	BCE	SEEGM OLY1 }	8	0865	B 904 0 0 }	CMARK	
	373		SBR	X1	4	0873	н 089	0111111	4
	377		В	LOOP	4	0877	B 849		5
	381	COLON	LCA	GM,0&X1 REPLACE COLON BY GMWM	7	0881	L 91 0 0		5
135 8	388		SBR	X1 GET BELOW COLON	4	0888	Н 089		5
136 8	392		С	0&X1 AND THEN	4	0892	C 0 0		5
137 8	396		SAR	X1 BELOW BOTTOM WORD MARK	4	0896	Q 089		5
138 9	900		В	LOOP PROCESS NEXT STATEMENT	4	0900	B 849		5
	04	SEEGM	MCW	0&X1,PREFIX	7	0904	M 0 0 96		5
	911		BCE	FORMAT, PREFIX-4, F FORMAT STATEMENT?	8	0911	B 938 92 F		6
	19		MCW	BRANCH, SWITCH	7	0919	M 97 857		6
	126	NEXT	MN	HE RESIDENT AREA 110 PHASE ID, FOR SNAPSHOT DUMPS 333 CORE DUMP SNAPSHOT 688 TOP CORE ADDRESS FROM PARAM CARD 690 INTEGER MODULUS NUMBER OF DIGITS 692 FLOATING POINT MANTISSA DIGITS 700 LOAD NEXT OVERLAY 707 CS AT START OF OVERLAY LOADER 838 *&1 LOAD ADDRESS 83,X1 GM COLON,0&X1,: DONE,0&X1, NOP IF WORKING ON FORMAT SEEGM,0&X1, NOP IF WORKING ON FORMAT SEEGM,0&X1, NOP IF WORKING ON FORMAT SEEGM,0&X1 REPLACE COLON BY GMWM X1 GET BELOW COLON 0&X1 AND THEN X1 BELOW BOTTOM WORD MARK LOOP PROCESS NEXT STATEMENT 0&X1,PREFIX FORMAT,PREFIX-4,F FORMAT STATEMENT? BRANCH,SWITCH 0&X1 DECREASE X1 X1 TO NEXT STATEMENT LOOP NOP,SWITCH NEXT	4	0926	D 0 0		6
	930		SBR	XI 10 NEXT STATEMENT	4	0930	H U89		6
	34	FORMAT	MCM	NOD CHITCH	4	0934	В 849 м 100 ост		6 6
	945	r ORMA1	PICW B	NEXT	/	0936	B 926		6
147	, 10	*	_	MANT	4	0,740	D 720		0

				FORTRAN COMPILER INSERT GROUP-MARK PHASE 07							
SEQ :	PG LIN	LABEL	OP	OPERANDS	SFX CT	LOCN	INSTRUCTION	TYPE	CARD		
148			R FROM	TOP CORE DOWN TO TOP OF STATEMENTS & X00							
149 150	0.40	* DONE	MCW	TODGOD V2	7	0040	м 688 094		7		
151	949	DONE	MCW MZ	TOPCOR, X2 83, K999 COMPUTE TOP	7	0949	M 688 094 Y 083 190		7		
152	963		MZ	OF STATEMENTS	1	0963			7		
153	964		MCW	& X00	1	0964	M		7		
154	965	CLEAR		0&X2	4	0965	/ 0!0		7		
155	969	CHLAIN	SBR	X2	4	0969	H 094		7		
156	973		C	X2,K999	7		C 094 90		7		
157	980		BU	CLEAR			В 965 /		8		
158	300	*	DO	CHERK	9	0300	Б 303 /		Ü		
159		* CLEA	R FROM	TOP OF STATEMENTS & X00 TO TOP OF STATEMENTS							
160		*									
161	985	CLEAR2	С	83,X2	7	0985	C 083 094		8		
162	992		BE	DONE2	5	0992	B 16 S		8		
163	997		MCW	BLANK,0&X2	7	0997	M 99 0!0		8		
164	1 004		CW	0&X2	4	1004) 0!0		8		
165	1 008		SBR	X2	4	1008	Н 094		8		
166	1 012		В	CLEAR2	4	1012	В 985		8		
167	1 016	DONE2	SW	IMOD-1	4	1016	, 689		9		
168	1 020		A	BLANK, MANTIS	7	1020	A 99 692		9		
169	1 027		C	IMOD, KZ2 INTEGER MODULUS EQUAL ZERO?	7	1027	C 690 /01		9		
170	1 034		BU	NOTZI NO	5	1034	B 46 /		9		
171	1 039		MCW	IMOD-1 BLANK,MANTIS IMOD,KZ2 INTEGER MODULUS EQUAL ZERO? NOTZI NO K05,IMOD YES, USE 05 MANTIS,KZ2 MANTISSA DIGITS EQUAL ZERO? NOTZF NO K08,MANTIS YES, USE 08	7	1039	M /03 690		9		
172	1 046	NOTZI	C	MANTIS, KZ2 MANTISSA DIGITS EQUAL ZERO?	7	1046	C 692 /01		9		
	1 053		BU	NOTZF NO	5		B 65 /		10		
	1 058		MCW	K08, MANTIS YES, USE 08	7	1058	M /05 692		10		
175		*									
176			NEXT	OVERLAY							
177		*									
		NOTZF	BSS	SNAPSH, C	5		В 333 С		10		
179	1 070		SBR	CLEARL&3,GMWM LOAD CLEAR-DOWN-TO ADDRESS	7		Н 710 /12		10		
	1 077		LCA	SQUOZE, PHASID LOAD NEXT PHASE ID	-/	1077	,		10		
	1 084	***	В	CLEARL&3,GMWM LOAD CLEAR-DOWN-TO ADDRESS SQUOZE,PHASID LOAD NEXT PHASE ID LOADNX LOAD IT 999	4		в 700		10		
	1 090				3	1090		CMADI	10		
	1 091	GM	DC	@ } @		1091		GMARK	10 11		
	1 096 1 097	PREFIX BRANCH		#5		1096 1097	D		11		
	1 097	NOP	NOP		1	1097			11		
	1 090	BLANK		#1		1090	IN		11		
	1 101		DCW	# I 0 0		1101			11		
	1 101		DCW	05		1103			11		
	1 105		DCW	08		1105			11		
	1 111	SQUOZE		@SQUOZE@		1111			12		
	1 112		DCW	0}0		1112		GMARK	12		
193		0111111	ORG	201	1		0201	O. 11 11 (1)	12		
194	203		DSA	LOADDD LOAD ADDRESS FOR CARD-TO-TAPE PROGRAM	3	0203			13		
195			EX	BEGINN	-		B 838		14		
196			END				/ 000 080				

			FORTRAN	COMPILE	R INSE	RT GROUP	-MARK PHA	SE 07				PAGE	3
YMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS	SYMBOL	ADDRESS
BEGINN	838	BLANK	1099	BRANCH	1097	CLEAR	965	CLEAR2	985	CLEARL	707	COLON	881
OONE	949	DONE2	1016	FORMAT	938	GM	1091	GMWM	1112	IMOD	690	K05	1103
803	1105	K999	1090	KZ2	1101	LOADDD	838	LOADNX	700	LOOP	849	MANTIS	692
EXT	926	NOP	1098	NOTZF	1065	NOTZI	1046	PHASID	110	PREFIX	1096	SEEGM	904
NAPSH	333	SQUOZE	1111	SWITCH	857	TOPCOR	688	X1	89	X2	94	Х3	99