

CHAPTER 4

THE PROGRAM



This chapter will show the program body written in cobol language and the program using method. Since the program can be operated on several computer, then the method to compile the program and to call it to generate the flowchart must depend on the job control procedure in each computer. The example procedure operated on IBM S/370, both in the program catalog and the execution will show as follow:

4.1 the compilation process

the job control are

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// JOB FLOWGEN
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// OPTION CATAL
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PHASE FLOWGEN, *
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// EXEC FCOBØL
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the flowchart generater

source program

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/*
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// EXEC LNKEDT
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/*
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CAL CNOTE,SXREF,FLOW
00008 000200 IDENTIFICATION DIVISION. SP031981
00009 000210 PROGRAM-ID. ABJBST03.
00010 000400 AUTHOR. SATIRA POOLSRUP. SP031981
00011 000500 ENVIRONMENT DIVISION. SP031981
00012 000600 CONFIGURATION SECTION. SP031981
00013 000700 SOURCE-COMPUTER. IBM-370. CH042181
00014 000800 OBJECT-COMPUTER. IBM-370. CH042181
00015 *-----*
00016 000810 SPECIAL-NAMES. 001 IS PAGES 012 IS FOOTS.
00017 *SPECIAL-NAMES ARE DEPENDING ON THE COMPUTER TYPE.
00018 *-----*
00019 000900 INPUT-OUTPUT SECTION. SP031981
00020 001000 FILE-CONTROL. SP031981
00021 001100 SELECT PROCO-INPUT-FILE ASSIGN TO SYS001-IR-3505-S.
00022 001200* SELECT SOURCE-COBOL-FILE ASSIGN TO SYS002-IP-3505-S.
00023 *-----*
00024 SELECT SOURCE-COBOL-FILE ASSIGN TO SYS002-IIT-3420-S.
00025 * ***SOURCE PROGRAM CAME FROM TAPE***
00026 *-----*
00027 * SELECT SOURCE-COBOL-FILE ASSIGN TO SYS002-DA-3340-S.
00028 * ***SOURCE PROGRAM CAME FROM DISK***
00029 *-----*
00030 001300 SELECT PROCI-FILE ASSIGN TO SYS003-DA-3340-S.
00031 001400 SELECT STATEMENT-FILE ASSIGN TO SYS004-DA-3340-S.
00032 001500 SELECT PRINT-FILE ASSIGN TO SYS005-IR-3203-S.
00033 001600 DATA DIVISION. SP031981
00034 001700 FILE SECTION. SP031981
00035 001800 FD PROCO-INPUT-FILE SP031981
00036 001900 RECORD CONTAINS 80 CHARACTERS SP031981
00037 002000 LABEL RECORD IS OMITTED.
00038 002100 01 PROCO-REC. SP031981
00039 002200 03 FILLER PIC X(7). SP031981
00040 002300 03 PROCO-TEXT. SP031981
00041 002400 05 PROCO-CHAR OCCURS 73 TIMES PIC X. SP031981
00042 002500 01 PROCO-PARA-REC. SP031981
00043 002600 03 FILLER PIC X(7). SP031981
00044 002700 03 PROCO-PARA PIC X(15). SP031981
00045 002800 03 FILLER PIC X(58). SP031981
00046 002900 01 PROCO-COMMENT-REC. SP031981
00047 003000 03 CMNT-LINE-CNTRL PIC X(6). SP031981
00048 003100 03 CMNT-CONTINUE PIC X. SP031981
00049 003200 03 CMNT-TEXT PIC X(65). SP031981
00050 003300 03 FILLER PIC X(8). SP031981
00051 003400 FD SOURCE-COBOL-FILE SP031981
00052 003500 RECORD CONTAINS 80 CHARACTERS SP031981
00053 003600 LABEL RECORD IS OMITTED.
00054 003700 01 SOURCE-COBOL-REC. SP031981
00055 003800 03 FILLER PIC X(6). SP031981
00056 003900 03 SOURCE-COL7 PIC X. SP031981
00057 004000 03 SOURCE-TEXT. SP031981
00058 004100 05 SOURCE-CHAR OCCURS 65 TIMES PIC X. SP031981
00059 004200 03 FILLER PIC X(8). SP031981

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00060	004300	01	SOURCE-DECLARE-REC.	SP0319
00061	004400	03	FILLER PIC X(7).	SP0319
00062	004500	03	MARGIN-A.	AA0411
00063	004600	05	MARGINA PIC X(10).	PA0409
00064	004700	05	PMARGINA PIC X(6).	AA0414
00065	004800	03	FILLER PIC X(57).	AA0414
00066	004900	FD	PROCI-FILE	SP0319
00067	005000		RECORD CONTAINS 66 CHARACTERS	SP0319
00068	005100		BLOCK CONTAINS 15 RECORDS	SP0319
00069	005200		LABEL RECORD IS OMITTED.	SP0319
00070	005300	01	PROCI-SOURCE-REC.	SP0319
00071	005400	03	PROCI-COL7 PIC X.	SP0319
00072	005500	03	PROCI-TEXT.	SP0319
00073	005600	05	PROCI-CHAR OCCURS 65 TIMES PIC X.	SP0319
00074	005700	01	PARAGRAPH-REC.	SP0319
00075	005800	03	FILLER PIC X.	SP0319
00076	005900	03	PARAGRAPH-TEXT.	SP0319
00077	006000	05	PGRAPH-NAME PIC X(30).	SP0319
00078	006100	05	PGRAPH-NUMBER PIC 9(3).	SP0319
00079	006200	05	PGRAPH-TYPE PIC X.	SP0319
00080	006300	05	FILLER PIC X(31).	PA0321
00081	006400	FD	STATEMENT-FILE	SP0319
00082	006500		RECORD CONTAINS 508 CHARACTERS	SP0319
00083	006600		LABEL RECORD IS OMITTED.	SP0319
00084	006700	01	STATEMENT-REC.	SP0319
00085	006800	03	FLOW-LINE-CONTROL PIC X.	SP0319
00086	006900	03	BLOCK-TYPE PIC X.	SP0319
00087	007000	03	ST-TEXT.	SP0319
00088	007100	05	ST-CHAR OCCURS 506 TIMES PIC X.	SP0319
00089	007200	FD	PRINT-FILE	SP0319
00090	007300		RECORD CONTAINS 133 CHARACTERS	SP0319
00091	007400		LABEL RECORD IS STANDARD.	SP0319
00092	007500	01	PRINT-REC.	SP0319
00093	007550	03	FILLER PIC X.	SP0319
00094	007600	03	PRINT-CHAR OCCURS 132 TIMES PIC X.	SP0319
00095	007610	01	PRINT-RECI.	SP0319
00096	007620	03	FILLER PIC X.	SP0319
00097	007630	03	PRINT-RECX PIC X(132).	SP0319
00098	007700	*****		SP0319
00099	007800	WORKING-STORAGE SECTION.		SP0319
00100	007900	*****		SP0319
00101	008000	*****GLOBAL DECLARATION*****		SP0319
00102	008100	77	BYE-FLAG PIC X(3).	SP0319
00103	008200	77	PROCEDURE1-TERM-FLAG PIC X(3).	SP0319
00104	008300	77	PROCEDURE1-PTF3 PIC 9(3).	SP0319
00105	008400	77	PROCEDURE1-PTF4 PIC 9(4).	GA0401
00106	008500	77	PROCEDURE1-PTF2 PIC 9(2).	SP0319
00107	008600	77	PROCEDURE1-PTF1 PIC 9.	SP0319
00108	008700	77	PROCEDURE2-PTF3 PIC 9(3).	SP0319
00109	008800	77	PROCEDURE2-PTF2 PIC 9(3).	SP0319
00110	008900	77	PROCEDURE2-TERM-FLAG PIC X(3).	SP0319
00111	009000	*****PROC WORKING 77*****		SP0319
00112	009100	77	PROC0-SIGNAL PIC X(3).	SP0319

00113	009200	77	MATCHING-SIGNAL PIC X(3) VALUE SPACES.	SP031981
00114	009300	77	ADD-SIGNAL PIC X(3) VALUE SPACES.	SP031981
00115	009400	77	DELETE-SIGNAL PIC X(3) VALUE SPACES.	SP031981
00116	009500	77	COMMENT-SIGNAL PIC X(3) VALUE SPACES.	SP031981
00117	009600	77	NAME-PTP1 PIC 99.	SP031981
00118	009700	77	NAME-PTP2 PIC 99.	SP031981
00119	009800	77	VEPB-PTP1 PIC 99.	SP031981
00120	009900	77	VEPB-PTP2 PIC 99.	SP031981
00121	010000	77	VEPB-PTP3 PIC 99.	SP031981
00122	010100	*****	*****PROC1 WORKING 77*****	SP031981
00123	010200	77	P-NUMBER PIC 9(3).	SP031981
00124	010300	77	S-NUMBER PIC 9(3).	SP031981
00125	010400	77	TABLE-PTP PIC 9(3).	SP031981
00126	010500	77	REMTXT-PTP PIC 99.	SP031981
00127	010600	77	SEC-PTP PIC 99.	TK041481
00128	010700	77	P-S-NUMBER PIC 99.	SP031981
00129	010800	*****	*****PROC2 WORKING 77*****	AS040181
00130	010900	77	TRICK PIC X.	SP032981
00131	011000	77	LITERAL-FLAGX PIC X.	TK032281
00132	011100	77	LEFT-P-FLAG PIC X.	TK032281
00133	011200	77	RIGHT-P-FLAG PIC X.	SP032181
00134	011300	77	END-STRING-FLAG PIC X(3).	SP031981
00135	011400	77	STOP-TEXT-CHECK PIC 99.	SP031981
00136	011500	77	PROC-REMAIN-FLAG PIC X.	SP031981
00137	011600	77	ELSEIF-MANAGE-FLAG PIC X(3).	SP031981
00138	011700	77	MANAGE-LOOPING PIC 99.	SP031981
00139	011800	77	STRING-PTP PIC 9(5).	SP031981
00140	011900	77	WHERE-CONCAT-PTP PIC 99.	SP031981
00141	012000	77	BLK-PTP PIC 9(3).	SP031981
00142	012100	77	NAME-PTP PIC 99.	SP031981
00143	012200	77	WORD-BEGIN-FLAG PIC X(3).	SP031981
00144	012300	77	WORD-BEGINPTR PIC 9(5).	SP031981
00145	012400	77	WORD-END-FLAG PIC X(3).	SP031981
00146	012500	77	WORD-ENDPTR PIC 9(5).	SP031981
00147	012600	77	STRING-TMP-PTP PIC 9(5).	CH032781
00148	012700	77	WHERE-SELECT PIC X(6).	SP031981
00149	012800	77	OPTIONAL-VEPB-FLAG PIC X(3).	SP031981
00150	012900	77	VEPB-AGAIN-FLAG PIC X(3).	SP031981
00151	013000	77	GOD-HELP-FLAG PIC X(3).	TK032281
00152	013100	77	GOD-HELP-OR-NOT-FLAG PIC X(3).	SP032981
00153	013200	77	CONDITIONAL-FLAG PIC X.	SP031981
00154	013300	77	VEPB-FOUND-FLAG PIC X(3).	SP031981
00155	013400	77	VEPB-PTP PIC 99.	TK032281
00156	013500	77	WORD-FOUND-FLAG PIC X(3).	TK032281
00157	013600	77	WORD-PTP PIC 99.	SP031981
00158	013700	77	PARA-FOUND-FLAG PIC X(3).	SP031981
00159	013800	77	PARA-PTP PIC 9(3).	SP031981
00160	013900	77	STATEMENT-BLK-WORK PIC X(506).	SP031981
00161	014000	77	ELSE-FLAG PIC X.	SP031981
00162	014100	77	LEVEL-PTP PIC 99.	SP031981
00163	014200	77	END-LEVEL-FLAG PIC X(3).	SP031981
00164	014300	77	SUBLEVEL-PTP PIC 99.	SP031981
00165	014400	77	NO-ELSEIF PIC 99.	SP031981

00166	014500	77	ELSEIF-PRNC-NO PIC 9(3).	SP031981
00167	014600	77	ELSEIF-CHAP-PTP PIC 9(4).	SP031981
00168	014700	77	END-ELSEIF-FLAG PIC X(3).	SP031981
00169	014800	77	ELSEIF-REMAIN-PTP PIC 999.	SP031981
00170	014900	77	END-ELSEIF-REMAIN-FLAG PIC X(3).	SP031981
00171	015000	77	SEARCH-TERM-FLAG PIC X(3).	SP031981
00172	015100	77	PEDECOMPOSE-PEGINPTR PIC 9(5).	SP031981
00173	015200	77	SEARCH-F-FLAGPTR PIC 9.	SP031981
00174	015300	77	WHEN-VERB-GOOD-BOY-PTP PIC 9.	SP031981
00175	015400	77	DEPENDING-FLAG PIC X(3).	SP031981
00176	015500	77	ADVC-PTP PIC 9(5).	SP031981
00177	015600	77	GOTO-SAVEPTR PIC 9(5).	SP031981
00178	015700	77	REFPVE-WORD PIC X(10).	SP031981
00179	015800	77	NEXT-BLOCK-FLAG PIC X(3).	SP031981
00180	015900	*****	*****PRNC3 WORKING 77*****	SP031981
00181	016000	*****	*****PRNC3 WORKING 77*****	SP031981
00182	016100	77	ST-BEGIN PIC 9(3).	SS032681
00183	016200	77	NUM-OF-PAGE PIC 9(4).	SP032681
00184	016300	77	OLD-BLOCK-TYPE PIC X.	SP031981
00185	016400	77	ST-LENGTH PIC 9(3).	SP031981
00186	016500	77	LINE-NUM PIC 99.	SP031981
00187	016600	77	L-TXT-PTP PIC 9(3).	SP031981
00188	016700	77	INLINE-END-PTP PIC 9(3).	SP031981
00189	016800	77	F-TXT-PTP PIC 9(3).	SP031981
00190	016900	77	S-TXT-PTP PIC 9(3).	SP031981
00191	017000	77	TEXT-TEMP-PTP PIC 9(3).	SP031981
00192	017100	77	LINE-POSITION PIC 99.	SS032681
00193	017200	77	LINE-SUFFICIENT PIC X(3).	SP031981
00194	017300	77	LINE-REMAIN PIC 99.	SP031981
00195	017400	77	LINE-PER-BLOCK PIC 99.	SP031981
00196	017500	77	LINE-PER-STMNT PIC 99.	SP031981
00197	017600	77	PARA-PAGE-PTP PIC 9(3).	SP031981
00198	017700	77	VERT-LEFT-PLOT PIC X VALUE SPACE.	SP031981
00199	017800	77	VERT-RIGHT-PLOT PIC X VALUE SPACE.	SP031981
00200	017900	77	NEARLY-MAD-PLOT PIC X VALUE SPACE.	SP031981
00201	018000	77	BLOCK-RIGHT-PLOT PIC X VALUE SPACE.	SP031981
00202	018100	77	TEXT-LINE PIC 99.	SP031981
00203	018200	77	TEXT-PTP PIC 99.	SP031981
00204	018300	77	EDITED-POSN-FOUND PIC X(3).	SP031981
00205	018400	77	EDIT-FIRST-PTP PIC 99.	SP031981
00206	018500	77	EDIT-LAST-PTP PIC 99.	SP031981
00207	018600	77	EDIT-PTP PIC 99.	SP031981
00208	018700	77	DEPENDING-COUNT PIC 99.	SP031981
00209	018800	77	TEMP1-PTP3 PIC 9(3).	SP031981
00210	018900	77	TEMP2-PTP3 PIC 9(3).	SP031981
00211	019000	77	PARA-HEAD-LINE PIC X(132) VALUE "=====AA041881	AA041881
00212	019100	-	"=====AA041881	AA041881
00213	019200	-	"=====AA041881	AA041881
00214	019300	77	BRANCH-OUT-LINE PIC X(29) VALUE "-----SP031981	SP031981
00215	019400	-	">"-----SP031981	SP031981
00216	019500	77	BRANCH-IN2-LINE PIC X(29) VALUE "-----SP031981	SP031981
00217	019600	-	"-"<-----SP031981	SP031981
00218	019700	77	BRANCH-IN1-LINE PIC X(59) VALUE "<-----SP031981	SP031981

00219	019800-	"-----"	"						SP031981
00220	019900 77	BRANCH-IN3-LINE	PIC X(59)	VALUE "	"<-----"				SS032681
00221	020000-	"	"		"				SS032681
00222	020100 77	HORIZ1	PIC X(51)	VALUE "	"-----"				SP031981
00223	020200-	"	"		"				SP031981
00224	020300 77	ARROW-A	PIC X(51)	VALUE "	"		I		SP031981
00225	020400-	"	"		"		"		SP031981
00226	020500 77	ARROW-B	PIC X(51)	VALUE "	"		V		SP031981
00227	020600-	"	"		"		"		SP031981
00228	020700 77	HORIZ2	PIC X(51)	VALUE "	"		"		SP031981
00229	020800-	"	"		"		"		SP031981
00230	020900 77	HORIZ3	PIC X(51)	VALUE "	"		"		SP031981
00231	021000-	"	"		"		"		SP031981
00232	021100 77	HORIZ4	PIC X(51)	VALUE "	"		"		SP031981
00233	021200-	"	"		"		"		SP031981
00234	021300 77	HORIZ7	PIC X(51)	VALUE "	"		"	AT END	*-SP031981
00235	021400-	"	"		"-----NO-----"				SP031981
00236	021500 77	HORIZ5	PIC X(51)	VALUE "	"		IF		*-SP031981
00237	021600-	"	"		"				SP031981
00238	021700 77	HORIZ8	PIC X(51)	VALUE "	"		INVALID KEY		*-SP031981
00239	021800-	"	"		"-----NO-----"				SP031981
00240	021900 77	HORIZ10	PIC X(51)	VALUE "	"		SIZE PROP		*-SP031981
00241	022000-	"	"		"-----NO-----"				AA041481
00242	022100 77	HORIZ72	PIC X(51)	VALUE "	"		OVERFLOW		*-AA041481
00243	022200-	"	"		"-----NO-----"				AA041481
00244	022300 77	HORIZ9	PIC X(51)	VALUE "	"		END OF PAGE		*-SP031981
00245	022400-	"	"		"-----NO-----"				SP031981
00246	022500 77	HORIZ6	PIC X(51)	VALUE "	"				*-SP031981
00247	022600-	"	"		"				SP031981
00248	022700 77	HORIZ11	PIC X(4)	VALUE "	"--NO"				SP031981
00249	022800 77	ARROW-C	PIC X(51)	VALUE "	"		I YFS		SP031981
00250	022900-	"	"		"		"		SP031981
00251	023000 77	HORIZ12	PIC X(4)	VALUE "	"-->"				SP031981
00252	023100 77	HORIZ13	PIC X(51)	VALUE "	"-----"		DEPENDING		*-SP031981
00253	023200-	"	"		"-----"				SP031981
00254	023300 77	HORIZ18	PIC X(51)	VALUE "	"				TK040581
00255	023400-	"	"		"-----"				SP031981
00256	023500 77	HORIZ14	PIC X(51)	VALUE "	"		"		SP031981
00257	023600-	"	"		"		"		SP031981
00258	023700 77	HORIZ15	PIC X(51)	VALUE "	"		"	NO	SP031981
00259	023800-	"	"		"-----"				SP031981
00260	023900 77	HORIZ16	PIC X(51)	VALUE "	"		AT END		*-SP031981
00261	024000-	"	"		"(NEXT WHEN)		"		SP031981
00262	024100 77	HORIZ17	PIC X(51)	VALUE "	"		"		SP031981
00263	024200-	"	"		"-----"				SP031981
00264	024300 77	HORIZ19	PIC X(51)	VALUE "	"-----"		"		SP031981
00265	024400-	"	"		"		"		SP031981
00266	024500 77	HORIZ20	PIC X(51)	VALUE "	"(SEARCH)		"		SP031981
00267	024600-	"	"		"		"		SP031981
00268	024700 77	HORIZ21	PIC X(51)	VALUE "	"-----"		"		SP031981
00269	024800-	"	"		"		"		SP031981
00270	024900 77	HORIZ22	PIC X(51)	VALUE "	" A NO		"	WHEN	*-SP031981
00271	025000-	"	"		"		"		SP031981

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Code	Value	Field	Format	Label	Value	Label	Value	Label	Value	Label	
00272	025100	77	HORIZ23	PIC X(51)	VALUE	"	-----*			*--SP031981	
00273	025200-					"	-----"			SP031981	
00274	025300	77	HORIZ24	PIC X(51)	VALUE	"		*	*	SP031981	
00275	025400-					"		"		SP031981	
00276	025500	77	HORIZ25	PIC X(51)	VALUE	"		*	*	SP031981	
00277	025600-					"		"		SP031981	
00278	025700	77	HORIZ26	PIC X(51)	VALUE	"		*	WHEN	*	SP031981
00279	025800-					"		"		SP031981	
00280	025900	77	HORIZ27	PIC X(51)	VALUE	"		*	*	SP031981	
00281	026000-					"		I	NO	"	SP031981
00282	026100	77	HORIZ28	PIC X(51)	VALUE	"			V	"	SP031981
00283	026200-					"		*	*	SP031981	
00284	026300	77	HORIZ29	PIC X(51)	VALUE	"		*	*	SP031981	
00285	026400-					"	-----"			SP031981	
00286	026500	77	HORIZ30	PIC X(51)	VALUE	"		*		SP031981	
00287	026600-					"	(NEXT WHEN)	"		SP031981	
00288	026700	77	HORIZ31	PIC X(51)	VALUE	"			I	YES	SP031981
00289	026800-					"	-----"			SP031981	
00290	026900	77	HORIZ32	PIC X(51)	VALUE	"		*	*	SP031981	
00291	027000-					"		I	NO	"	SP031981
00292	027100	77	HORIZ33	PIC X(51)	VALUE	"			V	"	SP031981
00293	027200-					"		*	*	SP031981	
00294	027300	77	HORIZ34	PIC X(51)	VALUE	"		*	*	SP031981	
00295	027400-					"	-----"			SP031981	
00296	027500	77	HORIZ35	PIC X(51)	VALUE	"		*		SP031981	
00297	027600-					"	(NEXT WHEN)	"		SP031981	
00298	027700	77	HORIZ36	PIC X(51)	VALUE	"			I	YES	SP031981
00299	027800-					"	-----"			SP031981	
00300	027900	77	HORIZ37	PIC X(51)	VALUE	"				SP031981	
00301	028000-					"				SP031981	
00302	028100	77	HORIZ38	PIC X(51)	VALUE	"	-----	(SEARCH INITIATE)		SP031981	
00303	028200-					"	-----"			SP031981	
00304	028300	77	HORIZ39	PIC X(51)	VALUE	"	I			SP031981	
00305	028400-					"	I"			SP031981	
00306	028500	77	HORIZ40	PIC X(51)	VALUE	"		-----		SP031981	
00307	028600-					"				SP031981	
00308	028700	77	HORIZ41	PIC X(51)	VALUE	"		(NEXT BLOCK)		SP031981	
00309	028800-					"				SP031981	
00310	028900	77	HORIZ42	PIC X(51)	VALUE	"	-----	I		SP031981	
00311	029000-					"				SP031981	
00312	029100	77	HORIZ43	PIC X(51)	VALUE	"	(NEXT BLOCK)	----->	I	SP031981	
00313	029200-					"				SP031981	
00314	029300	77	HORIZ44	PIC X(51)	VALUE	"	-----	V		SP031981	
00315	029400-					"				SP031981	
00316	029500	77	HORIZ45	PIC X(51)	VALUE	"			I	SP031981	
00317	029600-					"	-----			SP031981	
00318	029700	77	HORIZ47	PIC X(51)	VALUE	"			I	FALSE	AA041481
00319	029800-					"				AA041481	
00320	029900	77	HORIZ48	PIC X(51)	VALUE	"		-----		SP031981	
00321	030000-					"				SP031981	
00322	030100	77	HORIZ50	PIC X(51)	VALUE	"	I	-----		SP031981	
00323	030200-					"	-----	I"		08032181	
00324	030300	77	HORIZ51	PIC X(51)	VALUE	"	IV			SP031981	



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00378	035700	03	OLD-NEWNAME-ENTRY OCCURS 150 TIMES.	CH03280	
00379	035800	05	OLD-DATANAME PIC X(30).	SP03190	
00380	035900	05	NEW-DATANAME PIC X(35).	CH03270	
00381	036000	01	ADDED-VEFRS.	SP03190	
00382	036100	03	ADD-VEFRB OCCURS 90 TIMES PIC X(10).	EA04180	
00383	036200	01	DELETED-VEFRS.	SP03190	
00384	036300	03	DELETE-VEFRB OCCURS 20 TIMES PIC X(10).	SP03190	
00385	036400	01	NAME-WORK.	SP03190	
00386	036500	03	NAME-CHARS OCCURS 35 TIMES PIC X.	TX03220	
00387	036600	01	VEFR-WORK.	SP03190	
00388	036700	03	VEFR-CHAR OCCURS 10 TIMES PIC X.	SP03190	
00389	036800	*****PROC1 WORKING 01*****			SP03190
00390	036900	01	PAPA-SECTION-WORK.	PR03210	
00391	037000	03	PARA-SECTION-CHAR OCCURS 30 TIMES PIC X.	SP03190	
00392	037100	01	PAPA-SECTION-TABLE.	SP03190	
00393	037200	03	PAPA-SECTION-TAB OCCURS 500 TIMES.	CH03290	
00394	037300	05	PAPA-SECTION-NAME PIC X(30).	SP03190	
00395	037400	05	PAPA-SECTION-NUM PIC X(3).	SP03190	
00396	037500	05	PAPA-SECTION-TYPE PIC X.	SP03190	
00397	037600	05	PAPA-SECTION-PAGE PIC 9(4).	SP03190	
00398	037700	01	REM-TEXT.	TX04050	
00399	037800	03	REM-CHAR OCCURS 66 TIMES PIC X.	PR03210	
00400	037900	*****PROC2 WORKING 01*****			SP03190
00401	038000	01	PROCEDURE-BLOCK.	SP03190	
00402	038100	03	PROCEDURE-NAME PIC X(33).	SP03190	
00403	038200	03	PROCEDURE-TYPE PIC X(12).	SP03190	
00404	038300	03	PROCEDURE-NUMBER PIC X(3).	SP03190	
00405	038400	01	NEWNAME.	SP03190	
00406	038500	03	NEWNAME-CHAR OCCURS 35 TIMES PIC X.	SP03190	
00407	038600	01	PROC-NUMBER-WORK.	SP03190	
00408	038700	03	FILLER PIC X(2) VALUE "I".	SP03190	
00409	038800	03	WORK-TYPE PIC X.	SP03190	
00410	038900	03	WORK-NUM PIC X(3).	SP03190	
00411	039000	03	FILLER PIC X(2) VALUE "I".	EA04140	
00412	039100	01	PROC-NUMBER-TEMP.	SP03190	
00413	039200	03	P-NUMBER-CHAR OCCURS 8 TIMES PIC X.	TX03220	
00414	039300	01	STRING-WORK.	SP03190	
00415	039400	03	STRING-CHAR OCCURS 10000 TIMES PIC X.	CH03280	
00416	039500	01	UNSTRING-WORK.	SP03190	
00417	039600	03	UNSTRING-CHAR OCCURS 10000 TIMES PIC X.	CH03280	
00418	039700	01	ELSEIF-WORK.	SP03190	
00419	039800	03	ELSEIF-ENTRY OCCURS 10 TIMES.	SP03190	
00420	039900	05	ELSEIF-CHAR OCCURS 3000 TIMES PIC X.	SP03190	
00421	040000	01	ELSEIF-PROC-DESCRIPTION.	SP03190	
00422	040100	03	ELSEIF-PROC-DESC OCCURS 10 TIMES.	EA04080	
00423	040200	05	PROC-F PIC X(35).	SP03190	
00424	040300	05	ELSEIF-BLOCK-NUM PIC X(3).	SP03190	
00425	040400	01	PROC-REMAIN-SIGNAL.	SP03190	
00426	040500	03	PROC-REMAIN-SIGNAL OCCURS 10 TIMES PIC X.	SP03190	
00427	040600	01	STATEMENT-BLOCK.	SP03190	
00428	040700	03	TOKEN OCCURS 506 TIMES PIC X.	SP03190	
00429	040800	01	DATANAME.	SP03190	
00430	040900	03	NAME-CHAR OCCURS 30 TIMES PIC X.	SP03190	

00431	041000	01	IF-LEVEL-PTPFLAG.	SP031981
00432	041100		03 HAVE-IF-LVL OCCURS 20 TIMES PIC X.	SP031981
00433	041200	01	THEN-LEVEL-PTPFLAG.	SP031981
00434	041300		03 HAVE-THEN-LVL OCCURS 20 TIMES PIC X.	SP031981
00435	041400	01	ELSE-LEVEL-PTPFLAG.	SP031981
00436	041500		03 HAVE-ELSE-LVL OCCURS 20 TIMES PIC X.	SP031981
00437	041600	01	ELSE-SUBLEVEL-PTPFLAG.	SP031981
00438	041700		03 HAVE-ELSESUB-LVL OCCURS 20 TIMES PIC X.	SP031981
00439	041800	01	IF-BEGIN-PTP.	SP031981
00440	041900		03 IF-BEGINPTR-LVL OCCURS 20 TIMES PIC 9(5).	SP031981
00441	042000	01	IF-END-PTP.	SP031981
00442	042100		03 IF-ENDPTR-LVL OCCURS 20 TIMES PIC 9(5).	SP031981
00443	042200	01	THEN-BEGIN-PTP.	SP031981
00444	042300		03 THEN-BEGINPTR-LVL OCCURS 20 TIMES PIC 9(5).	SP031981
00445	042400	01	THEN-END-PTP.	SP031981
00446	042500		03 THEN-ENDPTR-LVL OCCURS 20 TIMES PIC 9(5).	SP031981
00447	042600	01	ELSE-BEGIN-PTP.	SP031981
00448	042700		03 ELSE-BEGINPTR-LVL OCCURS 20 TIMES PIC 9(5).	SP031981
00449	042800	01	ELSE-END-PTP.	SP031981
00450	042900		03 ELSE-ENDPTR-LVL OCCURS 20 TIMES PIC 9(5).	SP031981
00451	043000	01	ELSEIF-PROC-NUM.	SP031981
00452	043100		03 ELSEIF-PROC-NUMBER OCCURS 20 TIMES PIC 9(3).	SP031981
00453	043200	01	ELSEIF-PERFORM-TEXT.	SP031981
00454	043300		03 FILLER PIC X(36) VALUE "PERFORM AUTO-GENERATED-PROC BLK NPA040801	SP031981
00455	043400-		"0."	RA040801
00456	043500		03 ELSEIF-BLOCKNO PIC X(3).	SP031981
00457	043600	01	F-FLAG-LINE-CONTROL.	SP031981
00458	043700		03 F-FLAG-BEFORE OCCURS 9 TIMES PIC X.	SP031981
00459	043800	01	ON-VEPR-PERFORM-TEXT.	SP031981
00460	043900		03 FILLER PIC X(58) VALUE "PERFORM COMPILER-COUNTER-TEST-->A	SP031981
00461	044000-		"AUTO-GENERATED BLOCK NO."	SP031981
00462	044100		03 ON-BLOCKNO PIC X(3).	SP031981
00463	044200	*****	*****PROC3 WORKING 01*****	SP031981
00464	044300	01	COMMENT-TABLE.	SP031981
00465	044400		03 COMMENT-ENTRY OCCURS 100 TIMES.	CH032081
00466	044500		05 COMMENT-CONTROL PIC X.	SP031981
00467	044600		05 COMMENT-TEXT.	SP031981
00468	044700		07 COMMENT-TEXT-SUB OCCURS 2 TIMES PIC X(65).	SP031981
00469	044800	01	LINE-TEXT.	SP031981
00470	044900		03 LINE-CHAP OCCURS 46 TIMES PIC X.	SP031981
00471	045000	01	PRINT-IMAGE-A.	SP031981
00472	045100		03 FILLER PIC X(8).	SP031981
00473	045200		03 LEFT-BLOCK-A PIC X(51).	SP031981
00474	045300		03 AT-END-LEG-A PIC X(4).	SP031981
00475	045400		03 AT-END-VEP-A PIC X.	SP032781
00476	045500		03 FALSE-LEG-A PIC X(29).	SP031981
00477	045600		03 RIGHT-VEP-A PIC X.	SP031981
00478	045700		03 FILLER PIC X(29).	SP031981
00479	045800		03 ELSE-VEP-A PIC X.	SP031981
00480	045900		03 FILLER PIC X(9).	SP031981
00481	046000	01	PRINT-IMAGE-B.	SP031981
00482	046100		03 FILLER PIC X(33).	SP031981
00483	046200		03 LEFT-VEP-B PIC X.	SP031981

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00484	046300	03	BRANCH-IN-B PIC X(59).	50031981
00485	046400	03	RIGHT-VER-B PIC X.	50031981
00486	046500	03	BRANCH-OUT-B PIC X(29).	50031981
00487	046600	03	FALSE-VER-B PIC X.	50031981
00488	046700	03	FILLER PIC X(9).	50031981
00489	046800	01	PRINT-IMAGE-C.	50031981
00490	046900	03	FILLER PIC X(33).	50031981
00491	047000	03	LEFT-VER-C PIC X.	50031981
00492	047100	03	FILLER PIC X(34).	50031981
00493	047200	03	RIGHT-BLOCK-C PIC X(51).	50031981
00494	047300	03	FALSE-VER-C PIC X(4).	50031981
00495	047400	03	FALSE-VER-C PIC X.	50031981
00496	047500	03	FILLER PIC X(9).	50031981
00497	047600	01	PAGE-DATE-TIMES.	50031981
00498	047610	03	FILLER PIC X.	50031981
00499	047700	03	DATE-FUN PIC X(9) VALUE "DUN-DATE".	50031981
00500	047800	03	DATE-NOW PIC X(8).	50031981
00501	047900	03	FILLER PIC XX VALUE SPACES.	50031981
00502	048000	03	TIME-FUN PIC X(9) VALUE "DUN-TIME".	50031981
00503	048100	03	TIME-NOW PIC X(6).	50031981
00504	048200	03	FILLER PIC X(89) VALUE SPACES.	50031981
00505	048300	03	PAGE-NO PIC X(5) VALUE "PAGE".	50031981
00506	048400	03	PAGE-NIMS PIC ZZZ9.	50031981
00507	048500	01	PAGE-DATE-TIME.	50031981
00508	048510	03	FILLER PIC X.	50031981
00509	048600	03	FILLER PIC X(123) VALUE SPACES.	50031981
00510	048700	03	FILLER PIC X(5) VALUE "PAGE".	50031981
00511	048800	03	PAGE-NUM PIC ZZZ9.	50031981
00512	048900	01	PRINT-NEXT-PAGE.	50031981
00513	049000	03	FILLER PIC X(28).	50031981
00514	049100	03	NEXT-P1 PIC X(11).	50031981
00515	049200	03	FILLER PIC X(19).	50031981
00516	049300	03	NEXT-P2 PIC X(11).	50031981
00517	049400	03	FILLER PIC X(19).	50031981
00518	049500	03	NEXT-P3 PIC X(11).	50031981
00519	049600	03	FILLER PIC X(19).	50031981
00520	049700	03	NEXT-P4 PIC X(11).	50031981
00521	049800	03	FILLER PIC X(4).	50031981
00522	049900	01	EDITTED-STATEMENT.	50031981
00523	050000	03	LEFT-EDGE PIC X(3).	50031981
00524	050100	03	EDITTED-TEXT.	50031981
00525	050200	05	EDT-TEXT OCCURS 46 TIMES PIC X.	50031981
00526	050300	03	RIGHT-EDGE PIC X(2).	50031981
00527	050400	01	BLOCK-BUFFER.	50031981
00528	050500	03	BLOCK-INLINE OCCURS 11 TIMES.	50031981
00529	050600	05	OF INLINE-BLOCK OCCURS 46 TIMES PIC X.	50031981
00530	050700	01	HOP1Z46.	50031981
00531	050800	03	FILLER PIC X(25) VALUE SPACES.	50031981
00532	050900	03	FILLER PIC X(7) VALUE "-----".	50031981
00533	051000	03	OPD-CHT PIC XX.	50031981
00534	051100	03	FILLER PIC X(9) VALUE "----->".	50031981
00535	051200	03	GOTO-BLK PIC X(8).	50031981
00536	051300	01	HORIZ49.	50031981

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00537	051400	03	FILLER PIC X(22) VALUE SPACES.	SP03198
00538	051500	03	GOTO-BLC PIC X(8).	SP03198
00539	051600	03	FILLER PIC X(21) VALUE SPACES.	SP03198
00540	051700	01	H-MATCHING.	SP03198
00541	051800	03	FILLER PIC X(6) VALUE SPACES.	SP03198
00542	051900	03	FILLER PIC X(18) VALUE "REPLACED DATA-NAME".	SP03198
00543	052000	03	FILLER PIC X(14) VALUE SPACES.	SP03198
00544	052100	03	FILLER PIC X(19) VALUE "REPLACING DATA-NAME".	SP03198
00545	052200	03	FILLER PIC X(17) VALUE SPACES.	SP03198
00546	052300	03	FILLER PIC X(18) VALUE "REPLACED DATA-NAME".	SP03198
00547	052400	03	FILLER PIC X(14) VALUE SPACES.	SP03198
00548	052500	03	FILLER PIC X(19) VALUE "REPLACING DAT-NAME".	SP03198
00549	052600	03	FILLER PIC X(8) VALUE SPACES.	SP03198
00550	052700	01	D-MATCHING.	SP03198
00551	052800	03	FILLER PIC X(2).	SP03198
00552	052900	03	NAME1 PIC X(30).	SP03198
00553	053000	03	FILLER PIC XX.	SP03198
00554	053100	03	NAME2 PIC X(30).	SP03198
00555	053200	03	FILLER PIC X(6).	SP03198
00556	053300	03	NAME3 PIC X(30).	SP03198
00557	053400	03	FILLER PIC XX.	SP03198
00558	053500	03	NAME4 PIC X(30).	SP03198
00559	053600	03	FILLER PIC X.	SP03198
00560	053700	01	H-PROC.	SP03198
00561	053800	03	FILLER PIC X(5) VALUE SPACES.	AA041481
00562	053900	03	FILLER PIC X(9) VALUE "NO. ".	AA041481
00563	054000	03	FILLER PIC X(14) VALUE "PROCEDURE NAME".	SP03198
00564	054100	03	FILLER PIC X(10) VALUE SPACES.	SP03198
00565	054200	03	FILLER PIC X(4) VALUE "PAGE".	SP03198
00566	054300	03	FILLER PIC X(4) VALUE SPACES.	AA041481
00567	054400	03	FILLER PIC X(9) VALUE "NO. ".	AA041481
00568	054500	03	FILLER PIC X(14) VALUE "PROCEDURE NAME".	SP03198
00569	054600	03	FILLER PIC X(10) VALUE SPACES.	SP03198
00570	054700	03	FILLER PIC X(4) VALUE "PAGE".	SP03198
00571	054800	03	FILLER PIC X(4) VALUE SPACES.	AA041481
00572	054900	03	FILLER PIC X(9) VALUE "NO. ".	AA041481
00573	055000	03	FILLER PIC X(14) VALUE "PROCEDURE NAME".	SP03198
00574	055100	03	FILLER PIC X(10) VALUE SPACES.	SP03198
00575	055200	03	FILLER PIC X(4) VALUE "PAGE".	SP03198
00576	055300	03	FILLER PIC X(9) VALUE SPACES.	SP03198
00577	055400	01	D-PROC.	SP03198
00578	055500	03	FILLER PIC X(4).	SP03198
00579	055600	03	NUM1 PIC X(3).	SP03198
00580	055700	03	FILLER PIC X.	SP03198
00581	055800	03	PROC1 PIC X(30).	SP03198
00582	055900	03	PAGE1 PIC X(4).	SP03198
00583	056000	03	FILLER PIC X(3).	SP03198
00584	056100	03	NUM2 PIC X(3).	SP03198
00585	056200	03	FILLER PIC X.	SP03198
00586	056300	03	PROC2 PIC X(30).	SP03198
00587	056400	03	PAGE2 PIC X(4).	SP03198
00588	056500	03	FILLER PIC X(3).	SP03198
00589	056600	03	NUM3 PIC X(3).	SP03198

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00590 056700 03 FILLER PIC X. SP031981
00591 056800 03 PROC3 PIC X(30). SP031981
00592 056900 03 PAGE3 PIC X(4). SP031981
00593 057000 03 FILLER PIC X(9). SP031981
00594 057100*****PROCEDURE***** SP032081
00595 057200 PROCEDURE DIVISION. PA032181
00596 057300*****MAINLINE***** SP032081
00597 057400 MAINLINE-S SECTION. CH032781
00598 057500 MAINLINE. G0032081
00599 057600*-----MAIN PROCEDURE # 0 G0032081
00600 057700 DISPLAY **MSG FLOW-GEN*--> YOU WANT TO EXECUTE PROCEDURE # 0 CH032881
00601 057800- "PLEASE ENTER YES OR NO" UPON CONSOLE. G0032081
00602 057900 ACCEPT PROC0-SIGNAL FROM CONSOLE. PA032181
00603 058000 IF PROC0-SIGNAL = "YES" G0032081
00604 058100 THEN OPEN INPUT PROC0-INPUT-FILE G0032081
00605 058200 PERFORM P0-PROCESS CH032881
00606 058300 DISPLAY **MSG FLOW-GEN*--> END OF PROCEDURE # 0, NOW G0032081
00607 058400- "I CAN SLEEP--BYE" UPON CONSOLE G0032081
00608 058500 CLOSE PROC0-INPUT-FILE. G0032081
00609 058600*-----MAIN PROCEDURE # 1 G0032081
00610 058700 OPEN INPUT SOURCE-COROL-FILE OUTPUT PROC1-FILE. G0032081
00611 058800 DISPLAY **MSG FLOW-GEN*--> NOW PROCEDURE TABLE ARE CREATING G0032081
00612 058900- "AND NEW EDITED SOURCE FILE, ALSO" UPON CONSOLE. G0032081
00613 059000 PERFORM P1-PROCESS. CH032881
00614 059100 DISPLAY **MSG FLOW-GEN*--> END OF PROCEDURE # 1, GOOD LUCK" G0032081
00615 059110 UPON CONSOLE.
00616 059200 CLOSE SOURCE-COROL-FILE PROC1-FILE. G0032081
00617 059300*-----MAIN PROCEDURE # 2 G0032081
00618 059400 OPEN INPUT PROC1-FILE OUTPUT STATEMENT-FILE. PA032181
00619 059500 DISPLAY **MSG FLOW-GEN*--> STATEMENT-BLOCK-TEXT ARE FORMATTING G0032081
00620 059600- "G" UPON CONSOLE. G0032081
00621 059700 PERFORM P2-PROCESS. CH032881
00622 059800 DISPLAY **MSG FLOW-GEN*--> END OF PROCEDURE # 2, GOOD TO SEE G0032081
00623 059900- "ICE YOU" UPON CONSOLE. G0032081
00624 060000 CLOSE PROC1-FILE. SP032981
00625 060100 CLOSE STATEMENT-FILE. SP032981
00626 060200*-----MAIN PROCEDURE # 3 G0032081
00627 060300 DISPLAY **MSG FLOW-GEN*--> PROGRAM FLOWCHART REPORT NEARLY PA032081
00628 060400- "INT" UPON CONSOLE. G0032081
00629 060500 OPEN INPUT STATEMENT-FILE OUTPUT PRINT-FILE. G0032081
00630 060600 PERFORM P3-PROGRAM-DOC-REPORT. CH032881
00631 060700 DISPLAY **MSG FLOW-GEN*--> PROGRAM DOCUMENT FLOWCHART ALREADY G0032081
00632 060800- "PRINTED END OF MY JOB" UPON CONSOLE. SP032081
00633 CLOSE STATEMENT-FILE PRINT-FILE.
00634 060900 STOP RUN. G0032081
00635 061000*****GENERAL PROCEDURE***** PA032081
00636 061100*****GENERAL PROCEDURE # 0***** PA032081
00637 061200 P0-PROCESS-S SECTION. CH032781
00638 061300 P0-PROCESS. PA032081
00639 061400 MOVE SPACES TO OLD-NEWNAME-TABLE. PA032081
00640 061500 MOVE SPACES TO ADDED-VERBS. PA032081
00641 061600 MOVE SPACES TO DELETED-VERBS. PA032081
00642 061700 MOVE SPACES TO COMMENT-TABLE. PA032081

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00643 061800 MOVE SPACES TO MATCHING-SIGNAL
00644 061900 ADD-SIGNAL
00645 062000 DELETE-SIGNAL
00646 062100 COMMENT-SIGNAL
00647 062200*THIS LINE PROVIDE FOR PROCEDURE SELECT SIGNAL
00648 062300 MOVE SPACES TO BYE-FLAG.
00649 062400 PERFORM PO-SUBPROC-SELECT UNTIL BYE-FLAG = "BYE".
00650 062500-----
00651 062600 PO-SUBPROC-SELECT.
00652 062700 READ PROCO-INPUT-FILE AT END MOVE "BYE" TO BYE-FLAG.
00653 062710 IF PROCO-PARA = "END-OF-PROCO "
00654 062720 THEN MOVE "BYE" TO BYE-FLAG.
00655 062800 IF PROCO-PARA = "MATCH-NAME LIST"
00656 062900 THEN MOVE "YES" TO MATCHING-SIGNAL
00657 063000 PERFORM PO-NAME-TABLE-CREATE VARYING PROCURE2-PTP3
00658 063100 FROM 1 BY 1 UNTIL
00659 063200 PROCO-PARA = "MATCH-NAME END ".
00660 063300 IF PROCO-PARA = "ADD-VERB LIST "
00661 063400 THEN MOVE "YES" TO ADD-SIGNAL.
00662 063500 MOVE 0 TO VERB-PTP1
00663 063600 PERFORM PO-VERB-ADDING UNTIL
00664 063700 PROCO-PARA = "ADD-VERB END ".
00665 063800 IF PROCO-PARA = "DELETE-VERB LIST"
00666 063900 THEN MOVE "YES" TO DELETE-SIGNAL
00667 064000 MOVE 0 TO VERB-PTP1
00668 064100 PERFORM PO-VERB-DELETING UNTIL
00669 064200 PROCO-PARA = "DELETE-VERB END ".
00670 064300 IF PROCO-PARA = "COMMENT LIST "
00671 064400 THEN MOVE "YES" TO COMMENT-SIGNAL
00672 064500 MOVE 0 TO PROCURE2-PTP3
00673 064600 PERFORM PO-COMMENT-TABLE-CREATE
00674 064700 UNTIL PROCO-PARA = "COMMENT END ".
00675 064800-----
00676 064900 PO-NAME-TABLE-CREATE.
00677 065000 READ PROCO-INPUT-FILE AT END STOP P'IN.
00678 065100 IF PROCO-PARA NOT = "MATCH-NAME END "
00679 065200 THEN MOVE 1 TO NAME-PTP1
00680 065300 MOVE SPACES TO NAME-WORK PROCURE1-TERM-FLAG
00681 065400 PERFORM PO-NAME-PICKUP VARYING PROCURE1-PTP2 FROM 1
00682 065500 BY 1 UNTIL PROCURE1-TERM-FLAG = "YES"
00683 065600 MOVE NAME-WORK TO OLD-DATANAME (PROCURE2-PTP3)
00684 065700 MOVE SPACES TO NAME-WORK
00685 065800 MOVE SPACES TO PROCURE1-TERM-FLAG
00686 065900 PERFORM PO-NAME-PICKUP VARYING PROCURE1-PTP2 FROM 1
00687 066000 BY 1 UNTIL PROCURE1-TERM-FLAG = "YES"
00688 066100 MOVE NAME-WORK TO NEW-DATANAME (PROCURE2-PTP3).
00689 066200 IF PROCO-PARA = "MATCH-NAME END "
00690 066300 THEN MOVE "NAME-END "
00691 066400 TO OLD-DATANAME (PROCURE2-PTP3).
00692 066500-----
00693 066600 PO-NAME-PICKUP.
00694 066700 IF PROCO-CHAR (NAME-PTP1) NOT = " "
00695 066800 THEN ADD 1 NAME-PTP1 GIVING NAME-PTP2

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00749 072200 MOVE VERB-WORK TO DELETE-VERB (VERB-DTP1).
00750 072300*-----
00751 072400 PO-COMMENT-TABLE-CREATE.
00752 072500 READ PROCO-INPUT-FILE AT END STOP PUN.
00753 072600 IF PROCO-PARA NOT = "COMMENT END "
00754 072700 THEN PERFORM PO-COMMENT-MOVE.
00755 072800 IF PROCO-PARA = "COMMENT END "
00756 072900 THEN ADD 1 TO PROCDUPE2-PTP3
00757 073000 MOVE "Z" TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00758 073100*-----
00759 073200 PO-COMMENT-MOVE.
00760 073300 IF CMNT-CONTINUE = "-"
00761 073400 THEN MOVE CMNT-TEXT TO
00762 073500 COMMENT-TEXT-SUB (PROCDUPE2-PTP3, 2)
00763 073600 ELSE ADD 1 TO PROCDUPE2-PTP3
00764 073700 MOVE CMNT-TEXT TO
00765 073800 COMMENT-TEXT-SUB (PROCDUPE2-PTP3, 1)
00766 073900 PERFORM PO-COMMENT-LINE-CONTROL.
00767 074000*-----
00768 074100 PO-COMMENT-LINE-CONTROL.
00769 074200 IF CMNT-LINE-CTRL = "EJECT "
00770 074300 THEN MOVE "1" TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00771 074400 IF CMNT-LINE-CTRL = "SKIP1 "
00772 074500 THEN MOVE " " TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00773 074600 IF CMNT-LINE-CTRL = "SKIP2 "
00774 074700 THEN MOVE "0" TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00775 074800 IF CMNT-LINE-CTRL = "SKIP3 "
00776 074900 THEN MOVE "-" TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00777 075000 IF CMNT-LINE-CTRL = "FOOT "
00778 075100 THEN MOVE "C" TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00779 075200 IF CMNT-LINE-CTRL = SPACES
00780 075300 THEN MOVE " " TO COMMENT-CONTROL (PROCDUPE2-PTP3).
00781 075400*-----
00782 075500*****GENERAL PROCEDURE # 1*****
00783 075600 P1-PROCESS-SECTION.
00784 075700 P1-PROCESS.
00785 075800 PERFORM P1-READ-SKIP UNTIL MARGINA = "PROCEDURE "
00786 075900 OR MARGINA = " PROCEDURE" OR MARGINA = " PROCEDURE"
00787 076000 OR MARGINA = " PROCEDURE".
00788 076100*-----THIS LINE FOR PROCEDURE SELECTED FLOWCHART GEN I MUST MODIFY.
00789 076200 MOVE 0 TO P-NUMBER.
00790 076300 MOVE 0 TO S-NUMBER.
00791 076400 MOVE 0 TO TABLE-PTR.
00792 076500 MOVE SPACES TO RYE-FLAG.
00793 076600 PERFORM P1-FILE-CREATED UNTIL RYE-FLAG = "RYE".
00794 076700*-----
00795 076800 P1-READ-SKIP.
00796 076900 READ SOURCE-COROL-FILE AT END STOP PUN.
00797 077000*-----
00798 077100 P1-FILE-CREATED.
00799 077200 READ SOURCE-COROL-FILE AT END MOVE "RYE" TO RYE-FLAG.
00800 077300 IF MARGINA = "DECLARATIVES. " OR = " DECLARATIVES. "
00801 077400 OR = " DECLARATIVES. " OR = " DECLARATIVES."

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PA032081
PA032081
PF032081
P9032181
AA041291
PA032081
AA041281
AA041881
AA041881
PA032081
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PA032081
PA032081
PB032081
AA041481
AA041481
AA041481
AA041481
PA032081
P9032081
P9032181
P9032081
CH032981
P9032081
P9032081
P9032181
P9032081
P9032081
PA041481
AA041481

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00855 080718          MOVE SPACE TO LITERAL-FLAGX
00856          GO TO P1-STATEMENT-CREATED-XIT.
00857 080720          IF SOURCE-CHAR (PROCURE2-PTR2) = QUOTE
00858 080722          THEN IF LITERAL-FLAGX NOT = "X"
00859 080724          MOVE "X" TO LITERAL-FLAGX
00860          MOVE SOURCE-CHAR (PROCURE2-PTR2)
00861          TO PROC1-CHAR (PROCURE2-PTR2)
00862          GO TO P1-STATEMENT-CREATED-XIT.
00863 080726          IF SOURCE-CHAR (PROCURE2-PTR2) = "."
00864 080728          IF SOURCE-CHAR (STOP-TEXT-CHECK) NOT = " "
00865 080730          AND SOURCE-CHAR (STOP-TEXT-CHECK) NOT = "+ "
00866 080732          AND SOURCE-CHAR (STOP-TEXT-CHECK) NOT = "- "
00867 080734          AND SOURCE-CHAR (STOP-TEXT-CHECK) < "0"
00868 080736          AND LITERAL-FLAGX NOT = "X"
00869 080738          THEN MOVE SOURCE-CHAR (PROCURE2-PTR2) TO
00870 080740          PROC1-CHAR (PROCURE2-PTR2)
00871 080742          WRITE PROC1-SOURCE-REC
00872 080744          ADD 2 PROCURE2-PTR2 GIVING REMTEXT-PTR
00873 080746          MOVE SPACES TO REM-TEXT
00874 080748          MOVE SPACES TO PROCURE1-TERM-FLAG
00875 080750          PERFORM P1-REMAIN-TEXT-CREATED VARYING
00876 080752          PROCURE1-PTR2 FROM 5 BY 1 UNTIL
00877 080754          REMTEXT-PTR > 65
00878 080756          MOVE "YES" TO PROCURE2-TERM-FLAG
00879 080758          IF PROCURE1-TERM-FLAG = "YES"
00880 080760          THEN MOVE SPACES TO PROC1-SOURCE-REC
00881 080762          MOVE REM-TEXT TO PROC1-TEXT
00882 080764          WRITE PROC1-SOURCE-REC
00883 080766          GO TO P1-STATEMENT-CREATED-XIT
00884 080768          ELSE GO TO P1-STATEMENT-CREATED-XIT.
00885 080770          IF SOURCE-CHAR (PROCURE2-PTR2) = "."
00886 080772          AND (SOURCE-CHAR (STOP-TEXT-CHECK) = " "
00887 080774          OR SOURCE-CHAR (STOP-TEXT-CHECK) = "+ "
00888 080776          OR SOURCE-CHAR (STOP-TEXT-CHECK) = "- "
00889 080778          OR SOURCE-CHAR (STOP-TEXT-CHECK) NOT < "0"
00890 080780          OR LITERAL-FLAGX = "X")
00891 080782          THEN ADD 2 TO STOP-TEXT-CHECK
00892 080784          IF STOP-TEXT-CHECK > 65
00893 080786          THEN MOVE SOURCE-CHAR (PROCURE2-PTR2) TO
00894 080788          PROC1-CHAR (PROCURE2-PTR2)
00895 080790          WRITE PROC1-SOURCE-REC
00896 080792          MOVE "YES" TO PROCURE2-TERM-FLAG
00897 080794          GO TO P1-STATEMENT-CREATED-XIT
00898 080796          ELSE IF SOURCE-CHAR (STOP-TEXT-CHECK) = " "
00899 080798          THEN MOVE SOURCE-CHAR (PROCURE2-PTR2)
00900 080800          TO PROC1-CHAR (PROCURE2-PTR2)
00901 080802          WRITE PROC1-SOURCE-REC
00902 080804          ADD 2 PROCURE2-PTR2 GIVING REMTEXT-PTR
00903 080806          MOVE SPACES TO REM-TEXT
00904 080808          MOVE SPACES TO PROCURE1-TERM-FLAG
00905 080810          PERFORM P1-REMAIN-TEXT-CREATED VARYING
00906 080812          PROCURE1-PTR2 FROM 5 BY 1 UNTIL
00907 080814          REMTEXT-PTR > 65

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00961 084900 PERFORM P1-SECTION-END VARYING PROCEDURE1-PTR2 FROM 08932081
00962 085000 SEC-PTP BY 1 UNTIL PROCEDURE1-TERM-FLAG = "YES" 09032181
00963 085100 MOVE SPACES TO REM-TEXT 09032081
00964 085200 MOVE SPACES TO PROCEDURE1-TERM-FLAG 09032081
00965 085300 PERFORM P1-REMAIN-TEXT-CREATED VARYING 08032081
00966 085400 PROCEDURE1-PTR2 FROM 5 BY 1 UNTIL REMTEXT-PTP >= 09032181
00967 085500 MOVE "YES" TO PROCEDURE2-TERM-FLAG 09032081
00968 085600 IF PROCEDURE1-TERM-FLAG = "YES" 09032081
00969 085700 THEN MOVE SPACES TO PROC1-SOURCE-REC 09032081
00970 085800 MOVE REM-TEXT TO PROC1-TEXT 09032081
00971 085900 WRITE PROC1-SOURCE-REC CH032881
00972 086000 GO TO P1-TABLE-SETUP-XIT TY041481
00973 086100 ELSE GO TO P1-TABLE-SETUP-XIT. TY041481
00974 086200*----- 09032081
00975 086300 P1-TABLE-SETUP-XIT. CH032881
00976 086400 EXIT. CH032881
00977 086500*----- CH032481
00978 086600 P1-SECTION-END. 09032081
00979 086700 IF SOURCE-CHAR (PROCEDURE1-PTR2) = "." 09032081
00980 086800 THEN ADD 2 PROCEDURE1-PTR2 GIVING REMTEXT-PTP 09032081
00981 086900 MOVE "YES" TO PROCEDURE1-TERM-FLAG. 09032081
00982 087000*----- 09032081
00983 087100 P1-REMAIN-TEXT-CREATED. 09032081
00984 087200 IF SOURCE-CHAR (REMTEXT-PTP) NOT = " " 09032081
00985 087300 THEN MOVE "YES" TO PROCEDURE1-TERM-FLAG. 09032181
00986 087400 MOVE SOURCE-CHAR (REMTEXT-PTP) TO REM-CHAR (PROCEDURE1-PTR2). 09032081
00987 087500 ADD 1 TO REMTEXT-PTP. CH032881
00988 087600*----- 09032081
00989 087700*****GENERAL PROCEDURE # 2***** 09032081
00990 087800 P2-PROCESS-S SECTION. CH032881
00991 087900 P2-PROCESS. 09032081
00992 088000 MOVE SPACE TO LITERAL-FLAGX. 09032981
00993 088100 MOVE SPACES TO STRING-WORK. 09032081
00994 088200 MOVE 0 TO STRING-PTP. 09032081
00995 088300 MOVE SPACES TO ELSEIF-WORK. 09032081
00996 088400 MOVE 0 TO NO-ELSEIF. 09032081
00997 088500 MOVE SPACE TO PROC-REMAIN-FLAG. 09032081
00998 088600 MOVE SPACES TO PROC-REMAIN-SIGNAL. 09032181
00999 088700 MOVE 0 TO ELSEIF-PROC-NO. 09032081
01000 088800 MOVE SPACES TO BYE-FLAG. 09032081
01001 088900 PERFORM P2-STATEMENT-CREATED UNTIL BYE-FLAG = "BYE". CH032881
01002 089000*----- 09032081
01003 089100 P2-STATEMENT-CREATED. 09032181
01004 089200 READ PROC1-FILE AT END MOVE "BYE" TO BYE-FLAG. 09032081
01005 089300 IF BYE-FLAG NOT = "BYE" 09040781
01006 089400 IF PROC1-COL7 NOT = "3" TY032281
01007 089500 THEN IF PROC1-CHAR (1) NOT = " " 09032081
01008 089600 THEN PERFORM P2-PROCEDURE-PROCESS 09040781
01009 089700 ELSE PERFORM P2-STRING-CONCAT 09040781
01010 089800 ELSE PERFORM P2-PROCEDURE-COMMENT. 09040781
01011 089900*----- 09040781
01012 090000 P2-PROCEDURE-COMMENT. 09040781
01013 090100 MOVE SPACES TO STATEMENT-REC. 09040781

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01014	090200	MOVE "X" TO BLOCK-TYPE.	PA040781
01015	090300	MOVE PROC1-TEXT TO ST-TEXT.	PA040781
01016	090400	WRITE STATEMENT-PEC.	PA040781
01017	090500*	-----	PA032081
01018	090600	P2-PROCEDURE-PROCESS.	PA032081
01019	090700	PERFORM P2-PROCEDURE-ELSEIF.	PA032081
01020	090800	MOVE SPACES TO STATEMENT-PEC.	PA032081
01021	090900	MOVE SPACES TO PROCEDURE-BLOCK.	PA032081
01022	091000	MOVE PGRAPH-NAME TO PROCEDURE-NAME.	PA032081
01023	091100	MOVE PGRAPH-NUMBER TO PROCEDURE-NUMBER.	PA032081
01024	091200	IF PGRAPH-TYPE = "P"	AA041881
01025	091300	THEN MOVE "PROCEDURE # " TO PROCEDURE-TYPE	PA032081
01026	091400	ELSE MOVE "SECTION # " TO PROCEDURE-TYPE.	PA032081
01027	091500	MOVE PGRAPH-TYPE TO BLOCK-TYPE.	PA032081
01028	091600	MOVE PROCEDURE-BLOCK TO ST-TEXT.	PA032081
01029	091700	WRITE STATEMENT-PEC.	PA032081
01030	091800*	-----	PA032081
01031	091900	P2-PROCEDURE-ELSEIF.	PA032081
01032	092000	IF PROC-REMAIN-FLAG = "X"	PA032081
01033	092100	THEN MOVE SPACE TO ELSEIF-MANAGE-FLAG	PA032081
01034	092200	PERFORM P2-PROC-ELSEIF VARYING MANAGE-LOOPING FROM	PA032081
01035	092300	1 BY 1 UNTIL ELSEIF-MANAGE-FLAG = "YES"	PA032081
01036	092400	MOVE SPACE TO PROC-REMAIN-FLAG	PA032081
01037	092500	MOVE SPACES TO ELSEIF-WORK	PA032081
01038	092600	MOVE 0 TO NO-ELSEIF.	PA032081
01039	092700*	-----	PA032081
01040	092800	P2-PROC-ELSEIF.	TK032281
01041	092900	IF PROC-REMAIN-SIGNAL (MANAGE-LOOPING) = "X"	TK032281
01042	093000	THEN MOVE SPACE TO PROC-REMAIN-SIGNAL (MANAGE-LOOPING)	SS040381
01043	093100	MOVE SPACES TO STATEMENT-PEC	PA032081
01044	093200	MOVE "X" TO BLOCK-TYPE	TK032281
01045	093300	MOVE "AUTO-GENERATED-PROCEDURE BLK NO." TO	TK032281
01046	093400	PROC-F (MANAGE-LOOPING)	TK032281
01047	093500	MOVE ELSEIF-PROC-DESC (MANAGE-LOOPING) TO ST-TEXT	PA032081
01048	093600	WRITE STATEMENT-PEC	PA032081
01049	093700	MOVE SPACES TO STRING-WORK	PA032081
01050	093800	MOVE ZEROS TO STRING-PTR	SA032481
01051	093900	MOVE ELSEIF-ENTRY (MANAGE-LOOPING) TO STRING-WORK	PA032081
01052	094000	PERFORM P2-STRING-TO-STATEMENTS	GA033081
01053	094100	MOVE 0 TO STRING-PTR	PA032081
01054	094200	MOVE SPACES TO STRING-WORK	GA033081
01055	094300	ELSE MOVE "YES" TO ELSEIF-MANAGE-FLAG.	PA032081
01056	094400*	-----	PA032081
01057	094500	P2-STRING-CONCAT.	PA032081
01058	094600	IF PROC1-COL7 = "-"	PA032081
01059	094700	THEN PERFORM P2-WORD-CONCAT	SA032981
01060	094800	ELSE MOVE SPACE TO LITERAL-FLAGX	SA032981
01061	094900	MOVE 5 TO WHERE-CONCAT-PTR.	PA032181
01062	095000	MOVE SPACES TO END-STRING-FLAG.	PA032081
01063	095100	MOVE SPACES TO PROCEDURE1-TERM-FLAG.	SA032981
01064	095200	PERFORM P2-TEXT-TO-STRING THRU P2-TEXT-TO-STRING-XIT	SA032981
01065	095300	VARYING PROCEDURE1-PTR2 FROM	SA032981
01066	095400	WHERE-CONCAT-PTR BY 1 UNTIL PROCEDURE1-TERM-FLAG = "YES".	PA032181


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01120
01121 100300
01122 100400
01123 100500
01124 100600
01125 100700
01126 100800
01127 100900
01128 101000
01129 101100
01130 101200
01131 101300
01132 101400
01133 101500
01134 101600
01135 101700
01136 101800
01137 101900
01138 102000
01139 102100
01140 102200
01141 102300
01142 102400
01143 102500*
01144 102600
01145 102700
01146 102800
01147 102900
01148 103000
01149 103100
01150 103200
01151 103300
01152 103400
01153 103500
01154 103600
01155 103700
01156 103800
01157 103900*
01158 104000
01159 104100
01160 104200
01161 104300
01162 104400
01163 104500
01164 104600
01165 104700
01166 104800
01167 105100
01168 105200
01169 105300
01170 105400
01171 105500
01172 105600*

OR LITERAL-FLAGX = "X"
THEN ADD 2 TO STOP-TEXT-CHECK
IF STOP-TEXT-CHECK > 65
  THEN ADD 2 TO STRING-PTP
  MOVE "." TO STRING-CHAR (STRING-PTP)
  MOVE "YES" TO END-STRING-FLAG
  MOVE "YES" TO PROCURE1-TERM-FLAG
  GO TO P2-TEXT-TO-STRING-XIT
ELSE IF PROC1-CHAR (STOP-TEXT-CHECK) = "."
  THEN ADD 2 TO STRING-PTP
  MOVE "." TO STRING-CHAR (STRING-PTP)
  MOVE "YES" TO END-STRING-FLAG
  MOVE "YES" TO PROCURE1-TERM-FLAG
  GO TO P2-TEXT-TO-STRING-XIT.

IF PROC1-CHAR (PROCURE1-PTP2) = "." OR = ";"
  IF LITERAL-FLAGX NOT = "X"
    THEN GO TO P2-TEXT-TO-STRING-XIT.
ADD 1 TO STRING-PTP.
MOVE PROC1-CHAR (PROCURE1-PTP2) TO
  STRING-CHAR (STRING-PTP).
GO TO P2-TEXT-TO-STRING-XIT.
P2-TEXT-TO-STRING-XIT.
EXIT.

-----
P2-STRING-TO-STATEMENTS.
MOVE SPACES TO STATEMENT-BLOCK.
MOVE ZEROS TO BLK-PTP.
MOVE SPACES TO DATANAME.
MOVE ZEROS TO NAME-PTP.
MOVE SPACES TO RESERVE-WORD.
PERFORM P2-WORD-POINTER-SCAN.
MOVE SPACES TO CONDITIONAL-FLAG.
MOVE SPACES TO GOD-HELP-FLAG.
PERFORM P2-VERB-TYPE-PROCESS THRU P2-VERB-TYPE-XIT
  UNTIL GOD-HELP-FLAG = "YES".
IF CONDITIONAL-FLAG = "X"
  THEN PERFORM P2-STATEMENT-PEDECOMPOSE.

-----
P2-WORD-POINTER-SCAN.
MOVE SPACES TO DATANAME.
MOVE SPACES TO RESERVE-WORD.
PERFORM P2-WORD-BEGINPTR.
MOVE STRING-PTP TO STRING-TEMP-PTP.
IF STRING-CHAR (STRING-TEMP-PTP) = "("
  THEN PERFORM P2-SUBC-ENDPTR.
IF STRING-CHAR (STRING-TEMP-PTP) = QUOTE
  THEN PERFORM P2-NONNUM-LITERAL-ENDPTR.
IF STRING-CHAR (STRING-TEMP-PTP) NOT LESS THAN "0"
  THEN PERFORM P2-NUM-LITERAL-ENDPTR.
IF STRING-CHAR (STRING-TEMP-PTP) NOT = "("
  AND NOT = QUOTE AND < "0"
  THEN PERFORM P2-WORD-ENDPTR.

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01173	105700	P2-WORD-BEGINPTR.	09032101
01174	105800	MOVE SPACES TO WORD-BEGIN-FLAG.	09032101
01175	105900	PERFORM P2-WORD-BEGIN-SCAN UNTIL WORD-BEGIN-FLAG = "YES".	09032101
01176	106000*	-----	09032101
01177	106100	P2-WORD-BEGIN-SCAN.	09032101
01178	106200	ADD 1 TO STRING-PTR.	09032101
01179	106300	IF STRING-CHAR (STRING-PTR) NOT = " "	09032101
01180	106400	THEN MOVE STRING-PTR TO WORD-BEGINPTR	09032101
01181	106500	MOVE "YES" TO WORD-BEGIN-FLAG.	09032101
01182	106600*	-----	09032101
01183	106700	P2-WORD-ENDPTR.	09032101
01184	106800	MOVE SPACES TO WORD-END-FLAG.	09032101
01185	106900	PERFORM P2-WORD-END-SCAN VARYING NAME-PTR FROM 1 BY 1	09032101
01186	107000	UNTIL WORD-END-FLAG = "YES".	09032101
01187	107100*	-----	09032101
01188	107200	P2-WORD-END-SCAN.	09032101
01189	107300	IF STRING-CHAR (STRING-PTR) = " "	09032101
01190	107400	THEN MOVE STRING-PTR TO WORD-ENDPTR	09032101
01191	107500	MOVE DATANAME TO RESERVE-WORD	09032101
01192	107600	MOVE "STRING" TO WHERE-SELECT	09032101
01193	107700	MOVE "YES" TO WORD-END-FLAG	09032101
01194	107800	ELSE MOVE STRING-CHAR (STRING-PTR) TO	09032101
01195	107900	NAME-CHAR (NAME-PTR)	09032101
01196	108000	ADD 1 TO STRING-PTR.	09032101
01197	108100*	-----	09032101
01198	108200	P2-SUBC-ENDPTR.	09032101
01199	108300	MOVE SPACES TO WORD-END-FLAG.	09032101
01200	108400	MOVE "X" TO LEFT-P-FLAG.	09032101
01201	108500	MOVE SPACE TO RIGHT-P-FLAG.	09032101
01202	108600	ADD 1 TO STRING-PTR.	09032101
01203	108700	PERFORM P2-SUBC-END-SCAN VARYING NAME-PTR FROM 1 BY 1	09032201
01204	108800	UNTIL WORD-END-FLAG = "YES".	09032101
01205	108900*	-----	09032101
01206	109000	P2-SUBC-END-SCAN.	09032101
01207	109100	IF STRING-CHAR (STRING-PTR) = " "	09032101
01208	109200	THEN MOVE DATANAME TO RESERVE-WORD	09032101
01209	109300	MOVE STRING-PTR TO WORD-ENDPTR	09032201
01210	109400	MOVE "STRING" TO WHERE-SELECT	09032101
01211	109500	MOVE "YES" TO WORD-END-FLAG.	09032101
01212	109600	IF STRING-CHAR (STRING-PTR) = "X"	09032101
01213	109700	THEN MOVE "X" TO RIGHT-P-FLAG	09032101
01214	109800	ADD 1 TO STRING-PTR.	09032101
01215	109900	IF STRING-CHAR (STRING-PTR) NOT = " " AND NOT = "X"	09032101
01216	110000	THEN MOVE STRING-CHAR (STRING-PTR) TO	09032101
01217	110100	NAME-CHAR (NAME-PTR)	09032101
01218	110200	ADD 1 TO STRING-PTR.	09032101
01219	110300*	-----	09032101
01220	110400	P2-NONNUM-LITERAL-ENDPTR.	09032101
01221	110500	MOVE SPACES TO DATANAME.	09032101
01222	110600	MOVE "LITERAL***" TO DATANAME.	09032101
01223	110700	MOVE "LITERAL***" TO RESERVE-WORD.	09032101
01224	110800	MOVE "STRING" TO WHERE-SELECT.	09032101
01225	110900	MOVE SPACES TO WORD-END-FLAG.	09032101

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01226	111000	PERFORM P2-NONNUM-END-SCAN UNTIL WORD-END-FLAG = "YES".	PR032181
01227	111100*	-----	PR032181
01228	111200	P2-NONNUM-END-SCAN.	PR032181
01229	111300	ADD 1 TO STRING-PTR.	PR032181
01230	111400	ADD 1 STRING-PTR GIVING ADVC-PTR.	PR033181
01231	111500	IF STRING-CHAR (STRING-PTR) = QUOTE AND	
01232	111600	STRING-CHAR (ADVC-PTR) = QUOTE	
01233	111700	THEN ADD 2 TO STRING-PTR	PR032181
01234	111800	ADD 1 STRING-PTR GIVING ADVC-PTR.	PR033181
01235	111900	IF STRING-CHAR (STRING-PTR) = QUOTE AND	
01236	112000	STRING-CHAR (ADVC-PTR) = " "	PR033181
01237	112100	THEN MOVE "YES" TO WORD-END-FLAG	PR032181
01238	112200	ADD 1 TO STRING-PTR	PR032981
01239	112300	MOVE ADVC-PTR TO WORD-ENDPTR.	PR033181
01240	112400*	-----	PR032181
01241	114600	P2-NUM-LITERAL-ENDPTR.	PR032181
01242	114700	MOVE SPACES TO DATANAME.	PR032181
01243	114800	MOVE "LITERAL***" TO DATANAME.	
01244	114900	MOVE "LITERAL***" TO RESERVE-WORD.	
01245	115000	MOVE "STRING" TO WHERE-SELECT.	PR032181
01246	115100	MOVE SPACES TO WORD-END-FLAG.	PR032181
01247	115200	PERFORM P2-WORD-END-SCAN UNTIL WORD-END-FLAG = "YES".	PR032181
01248	115300*	-----	PR032181
01249	115400	P2-BLOCK-STATEMENT.	PR032181
01250	115500	IF MATCHING-SIGNAL = "YES"	PR032181
01251	115600	THEN PERFORM P2-NEWNAME-OR-NOT.	PR032181
01252	115700	IF WHERE-SELECT = "STRING"	PR032181
01253	115800	THEN PERFORM P2-CREATED-FROM-STRING VARYING	PR032181
01254	115900	STRING-TEMP-PTR FROM WORD-BEGINPTR BY 1	TK032281
01255	116000	UNTIL STRING-TEMP-PTR > WORD-ENDPTR	TK032281
01256	116100	ELSE PERFORM P2-CREATED-FROM-NEWNAME.	PR032181
01257	116200*	-----	PR032181
01258	116300	P2-CREATED-FROM-NEWNAME.	PR032181
01259	116400	IF LEFT-P-FLAG = "X"	PR032181
01260	116500	THEN ADD 1 TO BLK-PTR	PR032181
01261	116600	MOVE "(" TO TOKEN (BLK-PTR)	PR032181
01262	116700	MOVE SPACE TO LEFT-P-FLAG.	PR032181
01263	116800	MOVE SPACES TO PROCURE1-TERM-FLAG.	PR032181
01264	116900	PERFORM P2-NEWNAME-SELECTED VARYING PROCURE1-PTR2 FROM 1	PR032181
01265	117000	BY 1 UNTIL PROCURE1-TERM-FLAG = "YES".	PR032181
01266	117100	IF RIGHT-P-FLAG = "X"	PR032181
01267	117200	THEN ADD 1 TO BLK-PTR	PR032181
01268	117300	MOVE ")" TO TOKEN (BLK-PTR)	PR032181
01269	117400	MOVE SPACE TO RIGHT-P-FLAG.	PR032181
01270	117500*	-----	PR032181
01271	117600	P2-NEWNAME-SELECTED.	PR032181
01272	117700	ADD 1 TO BLK-PTR.	PR032181
01273	117800	IF NEWNAME-CHAR (PROCURE1-PTR2) = " "	PR032181
01274	117900	THEN MOVE "YES" TO PROCURE1-TERM-FLAG.	PR032181
01275	118000	MOVE NEWNAME-CHAR (PROCURE1-PTR2) TO TOKEN (BLK-PTR).	PR032181
01276	118100*	-----	PR032181
01277	118200	P2-CREATED-FROM-STRING.	PR032181
01278	118300	ADD 1 TO BLK-PTR.	PR032181

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01279 118400 MOVE STRING-CHAR (STRING-TEMP-PTR) TO TOKEN (PK-PTR).
01280 118500 *-----
01281 118600 P2-NEWNAME-OR-NOT.
01282 118700 MOVE SPACES TO OPTIONAL-VERB-FLAG.
01283 118800 PERFORM P2-OPTIONAL-VERB-SEARCH.
01284 118900 IF OPTIONAL-VERB-FLAG NOT = "YES"
01285 119000 THEN MOVE SPACES TO PROCEDURE1-TERM-FLAG
01286 119100 PERFORM P2-NEWNAME-REPLACE VARYING PROCEDURE1-PTP3
01287 119200 FROM 1 BY 1 UNTIL PROCEDURE1-TERM-FLAG = "YES".
01288 119300 *-----
01289 119400 P2-OPTIONAL-VERB-SEARCH.
01290 119500 IF RESERVE-WORD = "LITERAL***" OR = "ADVANCING "
01291 119600 OR = "ALL " OR = "AND "
01292 119700 OR = "ASCENDING " OR = "BEFORE "
01293 119800 OR = "BLANK " OR = "BY "
01294 119900 OR = "COMMMA " OR = "COPY "
01295 120000 OR = "DATE " OR = "DAY "
01296 120100 OR = "EQUAL " OR = "EVERY "
01297 120200 OR = "FROM " OR = "GIVING "
01298 120300 OR = "GREATER " OR = "INTO "
01299 120400 THEN MOVE "YES" TO OPTIONAL-VERB-FLAG.
01300 120500 IF RESERVE-WORD = "IS " OR = "LAST "
01301 120600 OR = "LEADING " OR = "FIRST "
01302 120700 OR = "LESS " OR = "LINE "
01303 120800 OR = "INES " OR = "LOW-VALUE "
01304 120900 OR = "NEGATIVE " OR = "NOT "
01305 121000 OR = "NUMERIC " OR = "OF "
01306 121100 OR = "OF "
01307 121200 THEN MOVE "YES" TO OPTIONAL-VERB-FLAG.
01308 121300 IF RESERVE-WORD = "PAGE " OR = "POSITIVE "
01309 121400 OR = "QUOTE " OR = "QUOTES "
01310 121500 OR = "REPLACING " OR = "ROUNDING "
01311 121600 OR = "SIGN " OR = "SPACE "
01312 121700 OR = "SPACES " OR = "TALLYING "
01313 121800 OR = "THAN " OR = "TO "
01314 121900 OR = "UPON " OR = "ZERO "
01315 122000 OR = "ZEROS " OR = "ZEROS "
01316 122100 THEN MOVE "YES" TO OPTIONAL-VERB-FLAG.
01317 122200 IF RESERVE-WORD = "+" OR = "-"
01318 122300 OR = "*" OR = "/"
01319 122400 OR = "***" OR = ">"
01320 122500 OR = "<" OR = "="
01321 122600 OR = "PROCED" OR = "REMAINING"
01322 122700 OR = "INPUT " OR = "OUTPUT "
01323 122800 OR = "PROCEPUE" OR = "USING "
01324 122900 OR = "UP " OR = "DOWN "
01325 123000 OR = "PROCEED " OR = "UNTIL "
01326 123100 OR = "TIMES " OR = " "
01327 123200 THEN MOVE "YES" TO OPTIONAL-VERB-FLAG.
01328 123300 *-----
01329 123400 P2-NEWNAME-REPLACE.
01330 123500 IF DATANAME = OLD-DATANAME (PROCEDURE1-PTP3)
01331 123600 THEN MOVE NEW-DATANAME (PROCEDURE1-PTP3) TO NEWNAME

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01332	123700	MOVE "NEWNAM" TO WHERE-SELECT	TY032291
01333	123800	MOVE "YES" TO PROCUREF1-TERM-FLAG.	09032181
01334	123900	IF OLD-DATANAME (PROCUREF1-PT3)	09032181
01335	124000	= "NAME-END "	AA041281
01336	124100	THEN MOVE "YES" TO PROCUREF1-TERM-FLAG.	09032181
01337	124200	-----	09032181
01338	124300	P2-VEPR-AGAIN.	09032181
01339	124400	MOVE SPACES TO VERR-AGAIN-FLAG.	AA040181
01340	124500	IF RESERVE-WORD = " "	09032181
01341	124600	THEN MOVE "YES" TO VERR-AGAIN-FLAG	AA040181
01342	124700	GO TO P2-VEPR-AGAIN-XIT.	AA040181
01343	124800	IF RESERVE-WORD = "ACCEPT " OR = "ADD "	09032181
01344	124900	OR = "ALTER " OR = "AT "	09032181
01345	125000	OR = "CALL " OR = "CLOSE "	09032181
01346	125100	OR = "COMPUTE " OR = "COPY "	09032181
01347	125200	THEN MOVE "YES" TO VERR-AGAIN-FLAG	09032181
01348	125300	GO TO P2-VEPR-AGAIN-XIT.	09032181
01349	125400	IF RESERVE-WORD = "DEFRUG " OR = "DISPLAY "	09032181
01350	125500	OR = "DIVIDE " OR = "ELSE "	09032181
01351	125600	OR = "END " OR = "ENTER "	09032181
01352	125700	OR = "ENTRY " OR = "EJECT "	09032181
01353	125800	OR = "END " OR = "EXAMINE "	09032181
01354	125900	OR = "EXIT " OR = "EXHIBIT "	09032181
01355	126000	THEN MOVE "YES" TO VERR-AGAIN-FLAG	09032181
01356	126100	GO TO P2-VEPR-AGAIN-XIT.	09032181
01357	126200	IF RESERVE-WORD = "GO " OR = "GOBACK "	09032181
01358	126300	OR = "GENERATE " OR = "IF "	09032181
01359	126400	OR = "INITIATE " OR = "INSPECT "	09032181
01360	126500	OR = "INVALID " OR = "MOVE "	09032181
01361	126600	OR = "MULTIPLY " OR = "NEXT "	09032181
01362	126700	THEN MOVE "YES" TO VERR-AGAIN-FLAG	09032181
01363	126800	GO TO P2-VEPR-AGAIN-XIT.	09032181
01364	126900	IF RESERVE-WORD = "NOTE " OR = "ON "	09032181
01365	127000	OR = "OPEN " OR = "OTHERWISE "	09032181
01366	127100	OR = "PERFORM " OR = "READ "	09032181
01367	127200	OR = "READY " OR = "RESET "	09032181
01368	127300	OR = "REWRITE " OR = "RELEASE "	09032181
01369	127400	OR = "RETURN " OR = "OVERFLOW "	AA041481
01370	127500	THEN MOVE "YES" TO VERR-AGAIN-FLAG	09032181
01371	127600	GO TO P2-VEPR-AGAIN-XIT.	TY032291
01372	127700	IF RESERVE-WORD = "SEARCH " OR = "SET "	09032181
01373	127800	OR = "SEEK " OR = "SIZE "	09032181
01374	127900	OR = "SKIP1 " OR = "SKIP2 "	09032181
01375	128000	OR = "SKIP3 " OR = "SORT "	09032181
01376	128100	OR = "START " OR = "STRING "	09032181
01377	128200	OR = "STOP " OR = "SUBTRACT "	TY032291
01378	128300	THEN MOVE "YES" TO VERR-AGAIN-FLAG	09032181
01379	128400	GO TO P2-VEPR-AGAIN-XIT.	09032181
01380	128500	IF RESERVE-WORD = "TERMINATE " OR = "TRANSFORM "	09032181
01381	128600	OR = "UNSTRING " OR = "WHEN "	09032181
01382	128700	OR = "WRITE " OR = "FLOWBEGIN " OR = "FLOWEND "	AA041881
01383	128800	THEN MOVE "YES" TO VERR-AGAIN-FLAG	09032181
01384	128900	GO TO P2-VEPR-AGAIN-XIT.	09032181

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01385 129000 IF DATANAME = "END-OF-PAGE" " P232101
01386 129100 THEN MOVE "YES" TO VERR-AGAIN-FLAG P232101
01387 129200 GO TO P2-VERB-AGAIN-XIT. P232101
01388 129300 IF ADD-SIGNAL = "YES" P232101
01389 129400 THEN MOVE SPACES TO VERR-FOUND-FLAG P232101
01390 129500 PERFORM P2-ADD-VERB-AGAIN VARYING VERR-PTD FROM 1 T232281
01391 129600 BY 1 UNTIL VERR-FOUND-FLAG = "YES" P232101
01392 129700 GO TO P2-VERB-AGAIN-XIT. P232101
01393 129800 P2-VERB-AGAIN-XIT. P232101
01394 129900 EXIT. P232101
01395 130000 ----- P232101
01396 130100 P2-ADD-VERB-AGAIN. P232101
01397 130200 IF RESERVE-WORD = ADD-VERB (VERB-PTD) P232101
01398 130300 THEN MOVE "YES" TO VERR-FOUND-FLAG P232101
01399 130400 MOVE "YES" TO VERR-AGAIN-FLAG. P232101
01400 130500 IF ADD-VERB (VERB-PTD) = "ADD-END" " P232101
01401 130600 THEN MOVE "YES" TO VERR-FOUND-FLAG. P232101
01402 130700 ----- P232101
01403 130800 P2-VERB-TYPE-PROCESS. P232101
01404 130900 IF RESERVE-WORD = " " " P232101
01405 131000 THEN MOVE "YES" TO GOD-HELP-FLAG P232101
01406 131100 MOVE SPACES TO STATEMENT-REC P232101
01407 131200 MOVE "D" TO FLOW-LINE-CONTROL P232101
01408 131300 WRITE STATEMENT-REC P232101
01409 131400 GO TO P2-VERB-TYPE-XIT. P232101
01410 131500 IF DELETE-SIGNAL = "YES" P232101
01411 131600 THEN MOVE SPACES TO WORD-FOUND-FLAG P232101
01412 131700 PERFORM P2-DELETE-VERB-PROCESS VARYING WORD-PTD P232101
01413 131800 FROM 1 BY 1 UNTIL WORD-FOUND-FLAG = "YES". 2041481
01414 131900 IF RESERVE-WORD = "STRING" " OR = "UNSTRING" " P232101
01415 132000 OR = "MULTIPLY" " OR = "COMPUTE" " P232101
01416 132100 OR = "MOVE" " OR = "ADD" " P232101
01417 132200 OR = "EXAMINE" " OR = "DIVIDE" " P232101
01418 132300 OR = "TRANSFORM" " OR = "SUBTRACT" " T232281
01419 132400 OR = "RELEASE" " OR = "RETURN" " P232101
01420 132500 OR = "INSPECT" " OR = "SET" " P232101
01421 132600 THEN MOVE SPACES TO STATEMENT-REC P232101
01422 132700 MOVE "A" TO BLOCK-TYPE P232101
01423 132800 PERFORM P2-SEQUENCE-TYPE P232101
01424 132900 GO TO P2-VERB-TYPE-XIT. P232101
01425 133000 IF RESERVE-WORD = "SEEK" " P232101
01426 133100 OR = "ACCEPT" " OR = "CLOSE" " P232101
01427 133200 OR = "DISPLAY" " OR = "OPEN" " P232101
01428 133300 OR = "READ" " OR = "PWRITE" " P232101
01429 133400 OR = "START" " OR = "WRITE" " P232101
01430 133500 THEN MOVE SPACES TO STATEMENT-REC P232101
01431 133600 MOVE "B" TO BLOCK-TYPE P232101
01432 133700 PERFORM P2-SEQUENCE-TYPE P232101
01433 133800 GO TO P2-VERB-TYPE-XIT. P232101
01434 133900 IF RESERVE-WORD = "GENERATE" " OR = "INITIATE" " P232101
01435 134000 OR = "TERMINATE" " P232101
01436 134100 THEN MOVE SPACES TO STATEMENT-REC P232101
01437 134200 MOVE "C" TO BLOCK-TYPE P232101

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01438	134300	PERFORM P2-SEQUENCE-TYPE	08032181
01439	134400	GO TO P2-VERB-TYPE-XIT.	08032181
01440	134500	IF RESERVE-WORD = "READY" " OR = "DESET" "	08032181
01441	134600	OR = "EXHIBIT" " OR = "DEBUG" "	08032181
01442	134700	OR = "ENTER" "	08032181
01443	134800	THEN MOVE SPACES TO VERB-AGAIN-FLAG	08032181
01444	134900	PERFORM P2-WORDS-SKIP UNTIL VERB-AGAIN-FLAG = "YES"	08032181
01445	135000	GO TO P2-VERB-TYPE-XIT.	08032181
01446	135100	IF RESERVE-WORD = "NOTE" "	08032181
01447	135200	THEN PERFORM P2-WORDS-SKIP UNTIL GOO-HELP-FLAG = "YES"	08032181
01448	135300	GO TO P2-VERB-TYPE-XIT.	08032181
01449	135400	IF RESERVE-WORD = "EJECT" " OR = "SKIP1" "	08032181
01450	135500	OR = "SKIP2" " OR = "SKIP3" "	08032181
01451	135600	THEN PERFORM P2-WORD-POINTER-SCAN	08032181
01452	135700	GO TO P2-VERB-TYPE-XIT.	08032281
01453	135800	IF RESERVE-WORD = "CALL" " OR = "COPY" "	08032181
01454	135900	THEN MOVE SPACES TO STATEMENT-PFC	08032181
01455	136000	MOVE "R" TO BLOCK-TYPE	08032181
01456	136100	PERFORM P2-SEQUENCE-TYPE	08032181
01457	136200	GO TO P2-VERB-TYPE-XIT.	08032181
01458	136300	IF RESERVE-WORD = "ENTRY" "	08032181
01459	136400	THEN MOVE SPACES TO STATEMENT-PFC	08032181
01460	136500	MOVE "W" TO BLOCK-TYPE	08032181
01461	136600	PERFORM P2-SEQUENCE-TYPE	08032181
01462	136700	GO TO P2-VERB-TYPE-XIT.	08032181
01463	136800	IF RESERVE-WORD = "GOBACK" "	08032181
01464	136900	THEN MOVE SPACES TO STATEMENT-REC	08032181
01465	137000	MOVE "U" TO BLOCK-TYPE	08032181
01466	137100	WRITE STATEMENT-PFC	08032181
01467	137200	PERFORM P2-WORD-POINTER-SCAN	08032181
01468	137300	GO TO P2-VERB-TYPE-XIT.	08032181
01469	137400	IF RESERVE-WORD = "EXIT" "	08032181
01470	137500	THEN MOVE SPACES TO STATEMENT-REC	08032181
01471	137600	PERFORM P2-WORD-POINTER-SCAN	08032181
01472	137700	IF RESERVE-WORD = "PROGRAM" "	08032181
01473	137800	THEN MOVE "I" TO BLOCK-TYPE	08032181
01474	137900	WRITE STATEMENT-REC	08032181
01475	138000	PERFORM P2-WORD-POINTER-SCAN	08032181
01476	138100	GO TO P2-VERB-TYPE-XIT	08032181
01477	138200	ELSE MOVE "V" TO BLOCK-TYPE	08032181
01478	138300	WRITE STATEMENT-REC	08032181
01479	138400	GO TO P2-VERB-TYPE-XIT.	08032181
01480	138500	IF RESERVE-WORD = "STOP" "	08032181
01481	138600	THEN MOVE SPACES TO STATEMENT-REC	08032181
01482	138700	PERFORM P2-WORD-POINTER-SCAN	08032181
01483	138800	IF RESERVE-WORD = "RIIN" "	08032181
01484	138900	THEN MOVE "Q" TO BLOCK-TYPE	SS040381
01485	139000	WRITE STATEMENT-REC	08032181
01486	139100	PERFORM P2-WORD-POINTER-SCAN	08032181
01487	139200	GO TO P2-VERB-TYPE-XIT	08032181
01488	139300	ELSE MOVE SPACES TO STATEMENT-BLOCK	08032181
01489	139400	MOVE ZEROS TO BLK-PTP	08032181
01490	139500	PERFORM P2-BLOCK-STATEMENT	08032181

01491	139600	MOVE STATEMENT-BLOCK TO ST-TEXT	TY032281
01492	139700	MOVE "T" TO BLOCK-TYPE	09032181
01493	139800	WRITE STATEMENT-REC	09032191
01494	139900	PERFORM P2-WORD-POINTER-SCAN	09032181
01495	140000	GO TO P2-VERB-TYPE-XIT.	09032181
01496	140100	IF RESERVE-WORD = "SOFT" "	09032181
01497	140200	THEN MOVE SPACES TO STATEMENT-REC	09032191
01498	140300	MOVE "M" TO BLOCK-TYPE	09032191
01499	140400	PERFORM P2-SOFT-VERB-TYPE	09032181
01500	140500	GO TO P2-VERB-TYPE-XIT.	09032181
01501	140600	IF RESERVE-WORD = "ALTER" "	09032181
01502	140700	THEN MOVE SPACES TO STATEMENT-REC	09032181
01503	140800	MOVE "O" TO BLOCK-TYPE	AA041981
01504	140900	PERFORM P2-ALTER-VERB-TYPE	09032181
01505	141000	GO TO P2-VERB-TYPE-XIT.	09032191
01506	141100	IF RESERVE-WORD = "PERFORM" "	09032181
01507	141200	THEN PERFORM P2-PERFORM-VERB-TYPE	09032181
01508	141300	GO TO P2-VERB-TYPE-XIT.	09032181
01509	141400	IF RESERVE-WORD = "IF" "	09032181
01510	141500	THEN PERFORM P2-IF-VERB-TYPE	09032181
01511	141600	GO TO P2-VERB-TYPE-XIT.	09032181
01512	141700	IF RESERVE-WORD = "SEARCH" "	09032181
01513	141800	THEN PERFORM P2-SEARCH-VERB-TYPE	09032181
01514	141900	GO TO P2-VERB-TYPE-XIT.	09032181
01515	142000	IF RESERVE-WORD = "WHEN" "	09032181
01516	142100	THEN PERFORM P2-WHEN-VERB-TYPE	09032181
01517	142200	GO TO P2-VERB-TYPE-XIT.	09032181
01518	142300	IF RESERVE-WORD = "ON" "	09032181
01519	142400	THEN PERFORM P2-ON-VERB-TYPE	09032181
01520	142500	GO TO P2-VERB-TYPE-XIT.	09032181
01521	142600	IF RESERVE-WORD = "AT" "	09032181
01522	142700	THEN PERFORM P2-WORD-POINTER-SCAN	09032181
01523	142800	GO TO P2-VERB-TYPE-XIT.	09032181
01524	142900	IF RESERVE-WORD = "FLOWBEGIN" "	AA041981
01525	143000	THEN MOVE SPACES TO STATEMENT-REC	AA041981
01526	143100	MOVE "7" TO BLOCK-TYPE	AA041981
01527	143200	WRITE STATEMENT-REC	AA041981
01528	143300	PERFORM P2-WORD-POINTER-SCAN	AA041981
01529	143400	GO TO P2-VERB-TYPE-XIT.	AA041981
01530	143500	IF RESERVE-WORD = "FLOWEND" "	AA041981
01531	143600	THEN MOVE SPACES TO STATEMENT-REC	AA041981
01532	143700	MOVE "8" TO BLOCK-TYPE	AA041981
01533	143800	WRITE STATEMENT-REC	AA041981
01534	143900	PERFORM P2-WORD-POINTER-SCAN	AA041981
01535	144000	GO TO P2-VERB-TYPE-XIT.	AA041981
01536	144100	IF RESERVE-WORD = "END" "	09032191
01537	144200	THEN MOVE SPACES TO STATEMENT-REC	TY032281
01538	144300	MOVE "E" TO FLOW-LINE-CONTROL	09032181
01539	144400	WRITE STATEMENT-REC	09032181
01540	144500	MOVE SPACES TO STATEMENT-REC	09033181
01541	144600	MOVE "I" TO BLOCK-TYPE	09033181
01542	144700	WRITE STATEMENT-REC	09033181
01543	144800	PERFORM P2-WORD-POINTER-SCAN	09032181

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01544	144900	GO TO P2-VERB-TYPE-XIT.	09032181
01545	145000	IF RESERVE-WORD = "OVERFLOW "	AA041481
01546	145100	THEN MOVE SPACES TO STATEMENT-REC	AA041481
01547	145200	MOVE "E" TO FLOW-LINE-CONTROL	AA041481
01548	145300	WRITE STATEMENT-REC	AA041481
01549	145400	MOVE SPACES TO STATEMENT-REC	AA041481
01550	145500	MOVE "N" TO BLOCK-TYPE	AA041481
01551	145600	WRITE STATEMENT-REC	AA041481
01552	145700	PERFORM P2-WORD-POINTER-SCAN	AA041481
01553	145800	GO TO P2-VERB-TYPE-XIT.	AA041481
01554	145900	IF RESERVE-WORD = "EOP "	09032181
01555	146000	OR DATANAME = "END-OF-PAGE "	09032181
01556	146100	THEN MOVE SPACES TO STATEMENT-REC	09032181
01557	146200	MOVE "E" TO FLOW-LINE-CONTROL	09032181
01558	146300	WRITE STATEMENT-REC	09032181
01559	146400	MOVE SPACES TO STATEMENT-REC	09032181
01560	146500	MOVE "K" TO BLOCK-TYPE	09032181
01561	146600	WRITE STATEMENT-REC	09032181
01562	146700	PERFORM P2-WORD-POINTER-SCAN	09032181
01563	146800	GO TO P2-VERB-TYPE-XIT.	09032181
01564	146900	IF RESERVE-WORD = "SIZE "	09032181
01565	147000	THEN PERFORM P2-WORD-POINTER-SCAN	AA041881
01566	147100	IF RESERVE-WORD = "ERR00 "	AA041881
01567	147200	THEN MOVE SPACES TO STATEMENT-REC	09032181
01568	147300	MOVE "E" TO FLOW-LINE-CONTROL	09032181
01569	147400	WRITE STATEMENT-REC	09032181
01570	147500	MOVE SPACES TO STATEMENT-REC	09032181
01571	147600	MOVE "L" TO BLOCK-TYPE	09032181
01572	147700	WRITE STATEMENT-REC	09032181
01573	147800	PERFORM P2-WORD-POINTER-SCAN	AA041881
01574	147900	GO TO P2-VERB-TYPE-XIT	AA041881
01575	148000	ELSE GO TO P2-VERB-TYPE-XIT.	AA041881
01576	148100	IF RESERVE-WORD = "INVALID "	09032181
01577	148200	THEN MOVE SPACES TO STATEMENT-REC	09032181
01578	148300	MOVE "E" TO FLOW-LINE-CONTROL	09032181
01579	148400	WRITE STATEMENT-REC	09032181
01580	148500	MOVE SPACES TO STATEMENT-REC	09033181
01581	148600	MOVE "J" TO BLOCK-TYPE	09033181
01582	148700	WRITE STATEMENT-REC	09033181
01583	148800	PERFORM P2-WORD-POINTER-SCAN	09032181
01584	148900	IF RESERVE-WORD = "KEY "	09032181
01585	149000	THEN PERFORM P2-WORD-POINTER-SCAN	09032181
01586	149100	GO TO P2-VERB-TYPE-XIT	09032181
01587	149200	ELSE GO TO P2-VERB-TYPE-XIT.	09032181
01588	149300	IF RESERVE-WORD = "NEXT "	09032181
01589	149400	THEN PERFORM P2-WORD-POINTER-SCAN	09032181
01590	149500	IF RESERVE-WORD = "SENTENCE "	09032181
01591	149600	THEN MOVE SPACES TO STATEMENT-REC	09032181
01592	149700	MOVE "YES" TO NEXT-BLOCK-FLAG	09032181
01593	149800	MOVE "X" TO BLOCK-TYPE	09032181
01594	149900	WRITE STATEMENT-REC	09032181
01595	150000	PERFORM P2-WORD-POINTER-SCAN	09032181
01596	150100	GO TO P2-VERB-TYPE-XIT	09032181

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01597	150200	ELSE GO TO P2-VERB-TYPE-XIT.	09032181
01598	150300	IF RESERVE-WORD = "NO	09032181
01599	150400	THEN PERFORM P2-GO-VERB-TYPE	09032181
01600	150500	GO TO P2-VERB-TYPE-XIT.	09032181
01601	150600	IF ADD-SIGNAL = "YES"	09032181
01602	150700	THEN MOVE SPACES TO WORD-FOUND-FLAG	09032181
01603	150800	PERFORM P2-ADD-VERB-PROCESS VARYING WORD-PTR FROM 1	09032181
01604	150900	BY 1 UNTIL WORD-FOUND-FLAG = "YES"	09032181
01605	151000	GO TO P2-VERB-TYPE-XIT.	09032181
01606	151100	IF TRICK = TRICK	09032181
01607	151200	THEN PERFORM P2-WORD-POINTER-SCAN	09032181
01608	151300	GO TO P2-VERB-TYPE-XIT.	09032181
01609	151400*	-----	09032181
01610	151500	P2-VERB-TYPE-XIT.	09032181
01611	151600	EXIT.	09032181
01612	151700*	-----	09032181
01613	151800	P2-ADD-VERB-PROCESS.	09032181
01614	151900	IF RESERVE-WORD = ADD-VERB (WORD-PTR)	09032181
01615	152000	THEN MOVE "YES" TO WORD-FOUND-FLAG	09032181
01616	152100	MOVE SPACES TO STATEMENT-REC	09032181
01617	152200	MOVE "A" TO BLOCK-TYPE	09032181
01618	152300	PERFORM P2-SEQUENCE-TYPE.	09032181
01619	152400	IF ADD-VERB (WORD-PTR) = "ADD-END "	09032181
01620	152500	THEN MOVE "YES" TO WORD-FOUND-FLAG.	09032181
01621	152600*	-----	09032181
01622	152700	P2-DELETE-VERB-PROCESS.	09032181
01623	152800	IF RESERVE-WORD = DELETE-VERB (WORD-PTR)	09032181
01624	152900	THEN MOVE "YES" TO WORD-FOUND-FLAG	09032181
01625	153000	MOVE SPACES TO VERB-AGAIN-FLAG	09032181
01626	153100	PERFORM P2-WORDS-SKIP	09032181
01627	153200	UNTIL VERB-AGAIN-FLAG = "YES".	09032181
01628	153300	IF DELETE-VERB (WORD-PTR) = "DEL-END "	09032181
01629	153400	THEN MOVE "YES" TO WORD-FOUND-FLAG.	09032181
01630	153500*	-----	09032181
01631	153600	P2-SEQUENCE-TYPE.	09032181
01632	153700	MOVE ZEROS TO BLK-PTR.	09032181
01633	153800	MOVE SPACES TO STATEMENT-BLOCK.	09032181
01634	153900	MOVE SPACES TO VERB-AGAIN-FLAG.	09032181
01635	154000	PERFORM P2-SEQNC-CREATED UNTIL VERB-AGAIN-FLAG = "YES".	09032181
01636	154100	MOVE STATEMENT-BLOCK TO ST-TEXT.	09032181
01637	154200	WRITE STATEMENT-REC.	09032181
01638	154300*	-----	09032181
01639	154400	P2-SEQNC-CREATED.	09032181
01640	154500	PERFORM P2-BLOCK-STATEMENT.	09032181
01641	154600	PERFORM P2-WORD-POINTER-SCAN.	09032181
01642	154700	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.	09032181
01643	154800*	-----	09032181
01644	154900	P2-WORDS-SKIP.	09032181
01645	155000	PERFORM P2-WORD-POINTER-SCAN.	09032181
01646	155100	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.	09032181
01647	155200*	-----	09032181
01648	155300	P2-SORT-VERB-TYPE.	09032181
01649	155400	MOVE ZEROS TO BLK-PTR.	09032181

01650	155500	MOVE SPACES TO STATEMENT-BLOCK.	TK032281
01651	155600	MOVE SPACES TO VFRB-AGAIN-FLAG.	TK032281
01652	155700	PERFORM P2-SOFT-CREATED UNTIL VFRB-AGAIN-FLAG = "YES".	TK032281
01653	155800	MOVE STATEMENT-BLOCK TO ST-TEXT.	TK032281
01654	155900	WRITE STATEMENT-REC.	TK032281
01655	156000	-----	TK032281
01656	156100	P2-SOFT-CREATED.	TK032281
01657	156200	PERFORM P2-BLOCK-STATEMENT.	TK032281
01658	156300	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01659	156400	PERFORM P2-VFRB-AGAIN THRU P2-VFRB-AGAIN-XIT.	TK032281
01660	156500	IF RESERVE-WORD = "ON" "	TK032281
01661	156600	THEN MOVE SPACES TO VFRB-AGAIN-FLAG.	TK032281
01662	156700	-----	TK032281
01663	156800	P2-ALTER-VFRB-TYPE.	TK032281
01664	156900	MOVE ZEROS TO BLK-PTR.	TK032281
01665	157000	MOVE SPACES TO STATEMENT-BLOCK.	TK032281
01666	157100	PERFORM P2-BLOCK-STATEMENT.	TK032281
01667	157200	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01668	157300	MOVE SPACES TO VFRB-AGAIN-FLAG.	TK032281
01669	157400	PERFORM P2-ALTER-CREATED UNTIL VFRB-AGAIN-FLAG = "YES".	TK032281
01670	157500	MOVE STATEMENT-BLOCK TO ST-TEXT.	TK032281
01671	157600	WRITE STATEMENT-REC.	TK032281
01672	157700	-----	TK032281
01673	157800	P2-ALTER-CREATED.	TK032281
01674	157900	IF RESERVE-WORD = "TO" "	TK032281
01675	158000	OR = "PROCEED" "	TK032281
01676	158100	THEN PERFORM P2-BLOCK-STATEMENT	TK032281
01677	158200	ELSE MOVE SPACES TO PARA-FOUND-FLAG	TK032281
01678	158300	PERFORM P2-BLOCK-STATEMENT	TK032281
01679	158400	PERFORM P2-PROCEDURE-SEARCH VARYING PARA-PTR FROM 1	TK032281
01680	158500	BY 1 UNTIL PARA-FOUND-FLAG = "YES".	TK032281
01681	158600	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01682	158700	PERFORM P2-VFRB-AGAIN THRU P2-VFRB-AGAIN-XIT.	TK032281
01683	158800	-----	TK032281
01684	158900	P2-PROCEDURE-SEARCH.	TK032281
01685	159000	IF DATANAME = PARA-SECTION-NAME (PARA-PTR)	TK032281
01686	159100	THEN MOVE "YES" TO PARA-FOUND-FLAG	TK032281
01687	159200	MOVE PARA-SECTION-TYPE (PARA-PTR) TO WORK-TYPE	TK032281
01688	159300	MOVE PARA-SECTION-NUM (PARA-PTR) TO WORK-NUM	TK032281
01689	159400	MOVE PROC-NUMBER-WORK TO PROC-NUMBER-TEMP	TK032281
01690	159500	PERFORM P2-PROCNUM-TO-BLK-STATEMENT VARYING	TK032281
01691	159600	PROCURE1-PTR1 FROM 1 BY 1 UNTIL	TK032281
01692	159700	PROCURE1-PTR1 > 8.	TK032281
01693	159800	IF PARA-SECTION-NAME (PARA-PTR) =	AA041481
01694	159900	"END-OF-FLOWCHART" "	AA041481
01695	160000	THEN MOVE "YES" TO PARA-FOUND-FLAG	AA041481
01696	160100	MOVE "N" TO WORK-TYPE	AA041481
01697	160200	MOVE "NDF" TO WORK-NUM	AA041481
01698	160300	MOVE PROC-NUMBER-WORK TO PROC-NUMBER-TEMP	AA041481
01699	160400	PERFORM P2-PROCNUM-TO-BLK-STATEMENT VARYING	AA041481
01700	160500	PROCURE1-PTR1 FROM 1 BY 1 UNTIL	AA041481
01701	160600	PROCURE1-PTR1 > 8.	AA041481
01702	160700	-----	TK032281

01703	160800	P2-PROCNUM-TO-BLK-STATEMENT.	TK032291
01704	160900	ADD 1 TO FLK-PTP.	TK032291
01705	161000	MOVE P-NUMBER-CHAR (PROCNUM-PTP) TO TOKEN (BLK-PTP).	TK032291
01706	161100*	-----	TK032291
01707	161200	P2-PERFORM-VERB-TYPE.	TK032281
01708	161300	MOVE ZEROS TO BLK-PTP.	TK032281
01709	161400	MOVE SPACES TO STATEMENT-BLOCK.	TK032281
01710	161500	PERFORM P2-BLOCK-STATEMENT.	TK032281
01711	161600	PERFORM P2-WORD-POINTER-SCAN.	TK032291
01712	161700	PERFORM P2-BLOCK-STATEMENT.	TK032291
01713	161800	MOVE SPACES TO PARA-FOUND-FLAG.	TK032281
01714	161900	PERFORM P2-PROCEDURE-SEARCH VARYING PARA-PTP FROM 1 BY 1	TK032281
01715	162000	UNTIL PARA-FOUND-FLAG = "YES".	TK032281
01716	162100	PERFORM P2-WORD-POINTER-SCAN.	TK032291
01717	162200	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.	TK032281
01718	162300	IF RESERVE-WORD = "THRU" "	TK032281
01719	162400	OR = "THROUGH" "	TK032281
01720	162500	THEN PERFORM P2-PERFORM-THRU.	TK032281
01721	162600	IF VERB-AGAIN-FLAG = "YES"	TK032281
01722	162700	THEN MOVE SPACES TO STATEMENT-REC	TK032281
01723	162800	MOVE "E" TO BLOCK-TYPE	TK032281
01724	162900	MOVE STATEMENT-BLOCK TO ST-TEXT	TK032281
01725	163000	WRITE STATEMENT-REC	TK032281
01726	163100	ELSE MOVE SPACES TO STATEMENT-BLK-WORK	TK032291
01727	163200	MOVE STATEMENT-BLOCK TO STATEMENT-BLK-WORK	TK032281
01728	163300	PERFORM P2-PERFORM-VARYING-UNTIL	TK032281
01729	163400	MOVE SPACES TO STATEMENT-REC	TK032281
01730	163500	MOVE "E" TO BLOCK-TYPE	TK032281
01731	163600	MOVE STATEMENT-BLK-WORK TO ST-TEXT	TK032281
01732	163700	WRITE STATEMENT-REC.	TK032281
01733	163800*	-----	TK032281
01734	163900	P2-PERFORM-THRU.	TK032281
01735	164000	PERFORM P2-BLOCK-STATEMENT.	TK032281
01736	164100	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01737	164200	PERFORM P2-BLOCK-STATEMENT.	TK032281
01738	164300	MOVE SPACES TO PARA-FOUND-FLAG.	TK032281
01739	164400	PERFORM P2-PROCEDURE-SEARCH VARYING PARA-PTP FROM 1 BY 1	TK032281
01740	164500	UNTIL PARA-FOUND-FLAG = "YES"	TK032281
01741	164600	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01742	164700	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.	TK032281
01743	164800*	-----	TK032281
01744	164900	P2-PERFORM-VARYING-UNTIL.	TK032281
01745	165000	MOVE SPACES TO STATEMENT-BLOCK.	TK032281
01746	165100	MOVE ZEROS TO BLK-PTP.	TK032281
01747	165200	IF RESERVE-WORD NOT = "VARYING" "	TK032281
01748	165300	THEN MOVE SPACES TO VERB-AGAIN-FLAG	TK032281
01749	165400	PERFORM P2-SEMIC-CREATED UNTIL VERB-AGAIN-FLAG = "YES"	TK032281
01750	165500	ELSE MOVE SPACES TO VERB-AGAIN-FLAG	TK032281
01751	165600	PERFORM P2-PERFORM-AETC UNTIL	TK032281
01752	165700	VERB-AGAIN-FLAG = "YES".	TK032281
01753	165800	MOVE SPACES TO STATEMENT-REC.	TK032281
01754	165900	MOVE "E" TO BLOCK-TYPE.	TK032291
01755	166000	MOVE STATEMENT-BLOCK TO ST-TEXT.	TK032281

01756	166100	WRITE STATEMENT-REC.	TK032281
01757	166200*	-----	TK032281
01758	166300	P2-PERFORM-AFTER.	TK032281
01759	166400	IF RESERVE-WORD = "AFTER "	TK032281
01760	166500	THEN MOVE SPACES TO STATEMENT-REC	TK032281
01761	166600	MOVE "X" TO BLOCK-TYPE	TK032281
01762	166700	MOVE STATEMENT-BLOCK TO ST-TEXT	TK032281
01763	166800	WRITE STATEMENT-REC	TK032281
01764	166900	MOVE SPACES TO STATEMENT-BLOCK	TK032281
01765	167000	MOVE ZEROS TO BLK-PTP.	TK032281
01766	167100	PERFORM P2-BLOCK-STATEMENT.	TK032281
01767	167200	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01768	167300	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.	TK032281
01769	167400*	-----	TK032281
01770	167500	P2-IF-VERB-TYPE.	SP032981
01771	167600	MOVE "X" TO CONDITIONAL-FLAG.	TK032281
01772	167700	MOVE SPACES TO IF-LEVEL-PTPFLAG.	TK032281
01773	167800	MOVE SPACES TO THEN-LEVEL-PTPFLAG.	TK032281
01774	167900	MOVE SPACES TO ELSE-LEVEL-PTPFLAG.	TK032281
01775	168000	MOVE SPACES TO ELSE-SUBLEVEL-PTPFLAG.	TK032281
01776	168100	MOVE ZEROS TO LEVEL-PTR.	TK032281
01777	168200	MOVE ZEROS TO IF-BEGIN-PTP.	TK032281
01778	168300	MOVE ZEROS TO IF-END-PTP.	TK032281
01779	168400	MOVE ZEROS TO THEN-BEGIN-PTP.	TK032281
01780	168500	MOVE ZEROS TO THEN-END-PTP.	TK032281
01781	168600	MOVE ZEROS TO ELSE-BEGIN-PTP.	TK032281
01782	168700	MOVE ZEROS TO ELSE-END-PTP.	TK032281
01783	168800	MOVE ZEROS TO ELSEIF-PROC-NUM.	TK032281
01784	168900	MOVE SPACES TO GOD-HELP-OR-NOT-FLAG.	TK032281
01785	169000	PERFORM P2-IF-LOOP UNTIL GOD-HELP-OR-NOT-FLAG = "YES".	TK032281
01786	169100*	-----	TK032281
01787	169200	P2-IF-LOOP.	TK032281
01788	169300	IF RESERVE-WORD = "IF "	TK032281
01789	169400	THEN ADD 1 TO LEVEL-PTR	TK032281
01790	169500	ADD 2 WORD-BEGINPTR GIVING	TK032281
01791	169600	IF-BEGINPTR-LVL (LEVEL-PTR)	TK032281
01792	169700	MOVE SPACES TO VERB-AGAIN-FLAG	TK032281
01793	169800	PERFORM P2-VERB-SCAN UNTIL VERB-AGAIN-FLAG = "YES"	TK032281
01794	169900	SUBTRACT 1 FROM WORD-BEGINPTR GIVING	SP033081
01795	170000	IF-ENDPTR-LVL (LEVEL-PTR)	TK032281
01796	170100	MOVE "X" TO HAVE-IF-LVL (LEVEL-PTR)	SP032981
01797	170200	IF RESERVE-WORD NOT = "IF "	TK032281
01798	170300	AND NOT = "ELSE "	TK032281
01799	170400	AND NOT = "OTHERWISE "	TK032281
01800	170500	THEN SUBTRACT 1 FROM WORD-BEGINPTR GIVING	SP033181
01801	170600	THEN-BEGINPTR-LVL (LEVEL-PTR)	SP033181
01802	170700	MOVE SPACES TO END-LEVEL-FLAG	TK032281
01803	170800	PERFORM P2-END-THEELSE UNTIL END-LEVEL-FLAG = "YES"	TK032281
01804	170900	SUBTRACT 1 FROM WORD-BEGINPTR GIVING	TK032281
01805	171000	THEN-ENDPTR-LVL (LEVEL-PTR)	TK032281
01806	171100	MOVE "X" TO HAVE-THEN-LVL (LEVEL-PTR).	SP032981
01807	171200	IF RESERVE-WORD = "ELSE "	TK032281
01808	171300	OR = "OTHERWISE "	TK032281

01809	171400	THEN ADD 4 WORD-BEGINPTR GIVING	TK032281
01810	171500	ELSE-BEGINPTR-LVL (LEVEL-PTP)	TK032281
01811	171600	MOVE "X" TO HAVE-ELSE-LVL (LEVEL-PTP)	SP033081
01812	171700	MOVE SPACES TO END-LEVEL-FLAG	TK032281
01813	171800	PERFORM P2-END-THENELSE UNTIL END-LEVEL-FLAG	TK032281
01814	171900	= "YES"	TK032281
01815	172000	SUBTRACT 1 FROM WORD-BEGINPTR GIVING	SP033081
01816	172100	ELSE-ENDPTR-LVL (LEVEL-PTP)	SP033081
01817	172200	SUBTRACT 1 FROM LEVEL-PTP	TK032281
01818	172300	IF RESERVE-WORD = "IF"	TK032281
01819	172400	THEN ADD 1 LEVEL-PTP GIVING SUBLEVEL-PTP	TK032281
01820	172500	MOVE "X" TO HAVE-ELSE-SUB-LVL	SP032281
01821	172600	(SUBLEVEL-PTP)	TK032281
01822	172700	ADD 1 TO ELSEIF-PROC-NO	TK032281
01823	172800	MOVE ELSEIF-PROC-NO TO	TK032281
01824	172900	ELSEIF-PROC-NUMBER (SUBLEVEL-PTP)	TK032281
01825	173000	PERFORM P2-ELSEIF-PROC.	TK032281
01826	173100	IF RESERVE-WORD = "	TK032281
01827	173200	THEN MOVE "YES" TO GOD-HELP-OR-NOT-FLAG.	TK032281
01828	173300*	-----	TK032281
01829	173400	P2-VEPB-SCAN.	TK032281
01830	173500	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01831	173600	PERFORM P2-VEPB-AGAIN THRU P2-VEPB-AGAIN-XIT.	CH032881
01832	173700*	-----	TK032281
01833	173800	P2-END-THENELSE.	TK032281
01834	173900	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01835	174000	IF RESERVE-WORD = "IF"	TK032281
01836	174100	OR	TK032281
01837	174200	THEN MOVE "YES" TO END-LEVEL-FLAG.	TK032281
01838	174300	IF RESERVE-WORD = "ELSE"	TK032281
01839	174400	THEN MOVE "YES" TO END-LEVEL-FLAG.	SS040381
01840	174500*	-----	TK032281
01841	174600	P2-ELSEIF-PROC.	TK032281
01842	174700	MOVE "X" TO PROC-REMAIN-FLAG.	TK032281
01843	174800	ADD 1 TO NO-ELSEIF.	TK032281
01844	174900	MOVE ELSEIF-PROC-NO TO ELSEIF-BLOCK-NUM (NO-ELSEIF).	TK032281
01845	175000	MOVE 0 TO ELSEIF-CHAR-PTP.	TK032281
01846	175100	MOVE 0 TO ELSEIF-REMAIN-PTP.	TK032281
01847	175200	MOVE "X" TO PROC-REMAIN-SIGNAL (NO-ELSEIF).	TK032281
01848	175300	MOVE SPACES TO END-ELSEIF-FLAG.	TK032281
01849	175400	PERFORM P2-ELSEIF-REMAIN UNTIL END-ELSEIF-FLAG = "YES".	TK032281
01850	175500*	-----	TK032281
01851	175600	P2-ELSEIF-REMAIN.	TK032281
01852	175700	IF RESERVE-WORD = "IF"	TK032281
01853	175800	THEN ADD 1 TO ELSEIF-REMAIN-PTP	TK032281
01854	175900	PERFORM P2-CREATED-ELSEIF-REM VARYING PROCJRF1-PTP4	GD040181
01855	176000	FROM WORD-BEGINPTR BY 1 UNTIL	TK032281
01856	176100	PROCJRF1-PTP4 > WORD-ENDPTR	AS040181
01857	176200	MOVE SPACES TO END-ELSEIF-REMAIN-FLAG	TK032281
01858	176300	PERFORM P2-CREATED-ELSEIF-REMTXT UNTIL	TK032281
01859	176400	END-ELSEIF-REMAIN-FLAG = "YES".	TK032281
01860	176500	IF RESERVE-WORD = "ELSE"	TK032281
01861	176600	OR	TK032281
		= "OTHERWISE"	

01862	176700	THEN SUBTRACT 1 FROM ELSEIF-REMAIN-PTR	TK032281
01863	176800	IF ELSEIF-REMAIN-PTR < 0	TK032281
01864	176900	THEN ADD 1 TO ELSEIF-CHAR-PTR	TK040581
01865	177000	MOVE " " TO ELSEIF-CHAR	TK040581
01866	177100	(NO-ELSEIF, ELSEIF-CHAR-PTR)	TK040581
01867	177200	ADD 1 TO ELSEIF-CHAR-PTR	TK040581
01868	177300	MOVE " " TO ELSEIF-CHAR	TK032281
01869	177400	(NO-ELSEIF, ELSEIF-CHAR-PTR)	TK032281
01870	177500	MOVE "YES" TO END-ELSEIF-FLAG	TK032281
01871	177600	ELSE PERFORM P2-CREATED-ELSEIF-REM VARYING PROCURE1-PTR4	SS040381
01872	177700	FROM WORD-BEGINPTR BY 1 UNTIL	SS040381
01873	177800	PROCURE1-PTR4 > WORD-ENDPTR	SS040381
01874	177900	MOVE SPACES TO END-ELSEIF-REMAIN-FLAG	TK032281
01875	178000	PERFORM P2-CREATED-ELSEIF-REMTXT UNTIL	TK032281
01876	178100	END-ELSEIF-REMAIN-FLAG = "YES".	TK032281
01877	178200	IF RESERVE-WORD = " "	TK032281
01878	178300	THEN ADD 1 TO ELSEIF-CHAR-PTR	TK040581
01879	178400	MOVE " " TO ELSEIF-CHAR (NO-ELSEIF, ELSEIF-CHAR-PTR)	TK040581
01880	178500	ADD 1 TO ELSEIF-CHAR-PTR	TK032281
01881	178600	MOVE " " TO ELSEIF-CHAR (NO-ELSEIF, ELSEIF-CHAR-PTR)	TK032281
01882	178700	MOVE "YES" TO END-ELSEIF-FLAG.	TK032281
01883	178800*	-----	SS032481
01884	178900	P2-CREATED-ELSEIF-REM.	TK032281
01885	179000	ADD 1 TO ELSEIF-CHAR-PTR.	SS040181
01886	179100	MOVE STRING-CHAR (PROCURE1-PTR4) TO	TK032281
01887	179200	ELSEIF-CHAR (NO-ELSEIF, ELSEIF-CHAR-PTR).	TK032281
01888	179300*	-----	TK032281
01889	179400	P2-CREATED-ELSEIF-REMTXT.	TK032281
01890	179500	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01891	179600	IF RESERVE-WORD NOT = "IF "	TK032281
01892	179700	AND NOT = "ELSE "	TK032281
01893	179800	THEN PERFORM P2-CREATED-ELSEIF-REM VARYING PROCURE1-PTR4	SS040181
01894	179900	FROM WORD-BEGINPTR BY 1 UNTIL	SS040181
01895	180000	PROCURE1-PTR4 > WORD-ENDPTR.	TK032281
01896	180100	IF RESERVE-WORD = "IF "	TK032281
01897	180200	OR = "ELSE "	TK032281
01898	180300	OR = " "	SS032481
01899	180400	THEN MOVE "YES" TO END-ELSEIF-REMAIN-FLAG.	TK032281
01900	180500*	-----	TK032281
01901	180600	P2-STATEMENT-REDECOMPOSE.	SS032481
01902	180700	PERFORM P2-LEVEL-REDECOMPOSE VARYING LEVEL-PTR FROM 1 BY 1	TK032281
01903	180800	UNTIL HAVE-IF-LVL (LEVEL-PTR) NOT = "X".	SS040981
01904	180900	IF NEXT-BLOCK-FLAG = "YES"	SS040981
01905	181000	THEN MOVE SPACES TO STATEMENT-REC	SS040981
01906	181100	MOVE "0" TO BLOCK-TYPE	SS040981
01907	181200	WRITE STATEMENT-REC	TK032281
01908	181300	MOVE SPACES TO NEXT-BLOCK-FLAG.	TK032281
01909	181400	MOVE SPACES TO STATEMENT-REC.	TK032281
01910	181500	MOVE "0" TO FLOW-LINE-CONTROL.	TK032281
01911	181600	WRITE STATEMENT-REC.	TK032281
01912	181700*	-----	TK032281
01913	181800	P2-LEVEL-REDECOMPOSE.	TK032281
01914	181900	PERFORM P2-IF-REDECOMPOSE.	TK032281

01915	182000	PERFORM P2-ELSE-REDECOMPOSE.	TK032281
01916	182100	PERFORM P2-THEN-REDECOMPOSE.	TK032281

01917	182200*	P2-IF-REDECOMPOSE.	TK032281
01918	182300	MOVE SPACES TO STATEMENT-REC.	TK032281
01919	182400	MOVE "T" TO FLOW-LINE-CONTROL.	TK032281
01920	182500	WRITE STATEMENT-REC.	TK032281
01921	182600	MOVE ZEROS TO BLK-PTR.	TK032281
01922	182700	MOVE SPACES TO STATEMENT-BLOCK.	TK032281
01923	182800	MOVE IF-BEGINPTR-LVL (LEVEL-PTR) TO STRING-PTR.	TK032291
01924	182900	MOVE SPACES TO VERR-AGAIN-FLAG.	AA041281
01925	183000	PERFORM P2-CONDITION-TEXT-CREATED UNTIL	TK032281
01926	183100	STRING-PTR IS NOT < IF-ENDPTR-LVL (LEVEL-PTR).	AA041881
01927	183200	MOVE SPACES TO STATEMENT-REC.	TK032281
01928	183300	MOVE "D" TO BLOCK-TYPE.	SP032981
01929	183400	MOVE STATEMENT-BLOCK TO ST-TEXT.	TK032281
01930	183500	WRITE STATEMENT-REC.	TK032281
01931	183600		TK032281
01932	183700*	P2-CONDITION-TEXT-CREATED.	TK032281
01933	183800	PERFORM P2-WORD-POINTER-SCAN.	TK032281
01934	183900	PERFORM P2-VERR-AGAIN THRU P2-VERR-AGAIN-XIT.	AA041281
01935	184000	IF VERR-AGAIN-FLAG NOT = "YES"	AA041281
01936	184100	AND RESERVE-WORD NOT = "THEN"	AA041281
01937	184200	THEN PERFORM P2-BLOCK-STATEMENT.	TK032281
01938	184300		TK032281
01939	184400*	P2-ELSE-REDECOMPOSE.	TK032281
01940	184500	MOVE SPACES TO STATEMENT-REC.	TK032281
01941	184600	MOVE "E" TO FLOW-LINE-CONTROL.	TK032281
01942	184700	WRITE STATEMENT-REC.	TK032281
01943	184800	IF HAVE-ELSE-LVL (LEVEL-PTR) = "X"	SP032481
01944	184900	THEN MOVE ELSE-BEGINPTR-LVL (LEVEL-PTR) TO STRING-PTR	TK032281
01945	185000	PERFORM P2-WORD-POINTER-SCAN	SP033181
01946	185100	PERFORM P2-VERR-TYPE-PROCESS THRU P2-VERR-TYPE-XIT	CH032981
01947	185200	UNTIL WORD-BEGINPTR	AA041881
01948	185300	IS NOT < ELSE-ENDPTR-LVL (LEVEL-PTR).	TK032281
01949	185400	IF HAVE-ELSE-UP-LVL (LEVEL-PTR) = "X"	TK040581
01950	185500	THEN MOVE SPACES TO STATEMENT-REC	TK032281
01951	185600	MOVE "E" TO BLOCK-TYPE	TK032281
01952	185700	MOVE ELSEIF-PROC-NUMBER (LEVEL-PTR) TO	SP032481
01953	185800	ELSEIF-BLOCKNO	TK032281
01954	185900	MOVE ELSEIF-PERFORM-TEXT TO ST-TEXT	TK032281
01955	186000	WRITE STATEMENT-REC.	TK032281
01956	186100		TK032281
01957	186200*	P2-THEN-REDECOMPOSE.	TK032281
01958	186300	IF HAVE-THEN-LVL (LEVEL-PTR) = "X"	TK032281
01959	186400	THEN MOVE SPACES TO STATEMENT-REC	TK032281
01960	186500	MOVE "T" TO FLOW-LINE-CONTROL	TK032281
01961	186600	WRITE STATEMENT-REC	TK032281
01962	186700	MOVE THEN-BEGINPTR-LVL (LEVEL-PTR) TO STRING-PTR	TK032281
01963	186800	PERFORM P2-WORD-POINTER-SCAN	SP033181
01964	186900	PERFORM P2-VERR-TYPE-PROCESS THRU P2-VERR-TYPE-XIT	CH032881
01965	187000	UNTIL WORD-BEGINPTR	AA041881
01966	187100	IS NOT LESS THAN THEN-ENDPTR-LVL	TK032281
01967	187200		

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01968	187300	(LEVEL-PTP).	TK032281
01969	187400*	-----	TK032281
01970	187500	P2-SEARCH-VERB-TYPE.	50032481
01971	187600	MOVE SPACES TO STATEMENT-REC.	50032481
01972	187700	MOVE "1" TO BLOCK-TYPE.	50032481
01973	187800	WRITE STATEMENT-REC.	50032481
01974	187900	MOVE ZEROS TO BLK-PTP.	50032481
01975	188000	MOVE SPACES TO STATEMENT-BLOCK.	50032481
01976	188100	PERFORM P2-BLOCK-STATEMENT.	50032481
01977	188200	MOVE SPACES TO SEARCH-TERM-FLAG.	50032481
01978	188300	PERFORM P2-SEARCH-CREATED UNTIL SEARCH-TERM-FLAG = "YES".	50032481
01979	188400	PERFORM P2-SEARCH-ATEND-WHEN.	50032481
01980	188500	SUBTRACT 1 FROM REDECOMPOSE-BEGINPTR GIVING STRING-PTP.	50032481
01981	188600	PERFORM P2-WORD-POINTER-SCAN.	50032481
01982	188700*	-----	50032481
01983	188800	P2-SEARCH-CREATED.	50032481
01984	188900	PERFORM P2-WORD-POINTER-SCAN.	50032481
01985	189000	IF RESERVE-WORD = "AT" "	50032481
01986	189100	OR = "END" "	50032481
01987	189200	OR = "WHEN" "	50032481
01988	189300	THEN MOVE "YES" TO SEARCH-TERM-FLAG	50032481
01989	189400	MOVE SPACES TO STATEMENT-REC	50032481
01990	189500	MOVE "2" TO BLOCK-TYPE	50032481
01991	189600	MOVE STATEMENT-BLOCK TO ST-TEXT	50032481
01992	189700	WRITE STATEMENT-REC	50032481
01993	189800	ELSE PERFORM P2-BLOCK-STATEMENT.	50032481
01994	189900*	-----	50032481
01995	190000	P2-SEARCH-ATEND-WHEN.	50032481
01996	190100	MOVE ZEROS TO WHEN-VERB-GOOD-BOV-PTP.	50032481
01997	190200	MOVE 1 TO SEARCH-F-FLAGPTR.	50032481
01998	190300	MOVE SPACES TO F-FLAG-LINE-CONTROL.	50032481
01999	190400	IF RESERVE-WORD = "AT" "	50032481
02000	190500	THEN PERFORM P2-WORD-POINTER-SCAN.	50032481
02001	190600	IF RESERVE-WORD = "END" "	50032481
02002	190700	THEN MOVE SPACES TO STATEMENT-REC	50032481
02003	190800	MOVE "3" TO BLOCK-TYPE	50032481
02004	190900	WRITE STATEMENT-REC	50032481
02005	191000	MOVE SPACES TO STATEMENT-BLOCK	50032481
02006	191100	MOVE SPACE TO F-FLAG-BEFORE (1)	TK040581
02007	191200	MOVE ZEROS TO BLK-PTP	50032481
02008	191300	PERFORM P2-SEARCH-ATEND	TK040581
02009	191400	ELSE MOVE "X" TO F-FLAG-BEFORE (1)	TK040581
02010	191500	MOVE WORD-BEGINPTR TO REDECOMPOSE-BEGINPTR	50032481
02011	191600	PERFORM P2-SEARCH-WHEN-GO UNTIL RESERVE-WORD	50032481
02012	191700	= "ELSE" " OR RESERVE-WORD = ".	50032481
02013	191800*	-----	50032481
02014	191900	P2-SEARCH-ATEND.	50032481
02015	192000	PERFORM P2-WORD-POINTER-SCAN.	50032481
02016	192100	MOVE WORD-BEGINPTR TO REDECOMPOSE-BEGINPTR.	50032481
02017	192200	PERFORM P2-SEARCH-ATEND-GO UNTIL RESERVE-WORD	50032481
02018	192300	= "WHEN" "	50032481
02019	192400	PERFORM P2-SEARCH-WHEN-GO UNTIL RESERVE-WORD = "ELSE" "	50032481
02020	192500	OR RESERVE-WORD = ".	50032481

02021	192600*					50032481
02022	192700	P2-SEARCH-ATFND-GO.				50032481
02023	192800	IF RESERVE-WORD = "GO	"			50032481
02024	192900	THEN MOVE "X" TO F-FLAG-BEFORE (SEARCH-F-FLAGPTR).				50032481
02025	193000	PERFORM P2-WORD-POINTER-SCAN.				50032481
02026	193100*					50032481
02027	193200	P2-SEARCH-WHEN-GO.				50032481
02028	193300	IF RESERVE-WORD = "WHEN	"			TR040581
02029	193400	THEN ADD 1 TO SEARCH-F-FLAGPTR.				TR040581
02030	193500	IF RESERVE-WORD = "GO	"			50032481
02031	193600	THEN MOVE "X" TO F-FLAG-BEFORE (SEARCH-F-FLAGPTR).				TR040581
02032	193700	PERFORM P2-WORD-POINTER-SCAN.				50032481
02033	193800*					50032481
02034	193900	P2-WHEN-VERB-TYPE.				50032481
02035	194000	ADD 1 TO WHEN-VERB-GOOD-BOY-PTR.				50032481
02036	194100	IF F-FLAG-BEFORE (WHEN-VERB-GOOD-BOY-PTR) NOT = "X"				TR040581
02037	194200	THEN MOVE SPACES TO STATEMENT-REC.				50032481
02038	194300	MOVE "E" TO FLOW-LINE-CONTROL.				50032481
02039	194400	WRITE STATEMENT-REC.				50032481
02040	194500	MOVE SPACES TO STATEMENT-REC.				50032481
02041	194600	MOVE "4" TO BLOCK-TYPE.				50032481
02042	194700	WRITE STATEMENT-REC.				50032481
02043	194800	MOVE SPACES TO STATEMENT-REC.				50032481
02044	194900	MOVE ZEROS TO BLK-PTR.				50032481
02045	195000	MOVE SPACES TO STATEMENT-BLOCK.				50032481
02046	195100	PERFORM P2-WORD-POINTER-SCAN.				50032481
02047	195200	MOVE SPACES TO VERB-AGAIN-FLAG.				50032481
02048	195300	PERFORM P2-CON-WHEN-CREATE UNTIL VERB-AGAIN-FLAG = "YES".				50032481
02049	195400	MOVE STATEMENT-BLOCK TO ST-TEXT.				50032481
02050	195500	IF WHEN-VERB-GOOD-BOY-PTR = SEARCH-F-FLAGPTR - 1				50032481
02051	195600	THEN MOVE "6" TO BLOCK-TYPE.				TR040581
02052	195700	ELSE MOVE "5" TO BLOCK-TYPE.				TR040581
02053	195800	WRITE STATEMENT-REC.				50032481
02054	195900*					50032481
02055	196000	P2-CON-WHEN-CREATE.				50032481
02056	196100	PERFORM P2-BLOCK-STATEMENT.				50032481
02057	196200	PERFORM P2-WORD-POINTER-SCAN.				50032481
02058	196300	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.				CH032981
02059	196400*					50032481
02060	196500	P2-ON-VERB-TYPE.				50032481
02061	196600	PERFORM P2-WORD-POINTER-SCAN.				50032481
02062	196700	IF RESERVE-WORD NOT = "SIZE	" AND NOT = "OVERFLOW "			EE041481
02063	196800	THEN ADD 1 TO ELSEIF-PROC-NO.				50032481
02064	196900	MOVE ELSEIF-PROC-NO TO ON-BLOCK-NO.				50032481
02065	197000	MOVE SPACES TO STATEMENT-REC.				50032481
02066	197100	MOVE "E" TO BLOCK-TYPE.				50032481
02067	197200	MOVE ON-VERB-PERFORM-TEXT TO ST-TEXT.				50032481
02068	197300	WRITE STATEMENT-REC.				50032481
02069	197400	ADD 1 TO NO-ELSEIF.				50032481
02070	197500	MOVE ELSEIF-PROC-NO TO ELSEIF-BLOCK-NUM (NO-ELSEIF).				50032481
02071	197600	MOVE "X" TO PROC-REMAIN-SIGNAL (NO-ELSEIF).				50032481
02072	197700	MOVE "I" TO ELSEIF-CHAR (NO-ELSEIF, 1).				50032481
02073	197800	MOVE "F" TO ELSEIF-CHAR (NO-ELSEIF, 2).				50032481

02074	197900	MOVE 4 TO ELSEIF-CHAR-PTR	50032481
02075	198000	PERFORM P2-ON-ELSEIF UNTIL RESERVE-WORD	50032481
02076	198100	= "	50032481
02077	198200	ADD 2 TO ELSEIF-CHAR-PTR	50032481
02078	198300	MOVE " " TO ELSEIF-CHAR (NO-ELSEIF, ELSEIF-CHAR-PTR).	50032481
02079	198400*	-----	50032481
02080	198500	P2-ON-ELSEIF.	50032481
02081	198600	PERFORM P2-CREATED-ELSEIF-REM VARYING PROCURE1-PTR4 FROM	50040181
02082	198700	WORD-BEGINPTR BY 1 UNTIL PROCURE1-PTR4 >	50040181
02083	198800	WORD-ENDPTR.	50032481
02084	198900	PERFORM P2-WORD-POINTER-SCAN.	50032481
02085	199000*	-----	50032481
02086	199100	P2-GO-VERB-TYPE.	50032481
02087	199200	PERFORM P2-WORD-POINTER-SCAN.	50032481
02088	199300	IF RESERVE-WORD = "TO "	50032481
02089	199400	THEN PERFORM P2-WORD-POINTER-SCAN	50032481
02090	199500	IF RESERVE-WORD = " "	50032481
02091	199600	THEN PERFORM P2-GOTO-ALTER-TYPE	50032481
02092	199700	ELSE MOVE WORD-BEGINPTR TO GOTO-SAVEPTR	50032481
02093	199800	PERFORM P2-GOTO-PARAGRAPH-TYPE.	50032481
02094	199900*	-----	50032481
02095	200000	P2-GOTO-ALTER-TYPE.	50032481
02096	200100	MOVE SPACES TO STATEMENT-REC.	50032481
02097	200200	MOVE "Q" TO BLOCK-TYPE.	50032481
02098	200300	WRITE STATEMENT-REC.	50032481
02099	200400*	-----	50032481
02100	200500	P2-GOTO-PARAGRAPH-TYPE.	50032481
02101	200600	MOVE SPACES TO DEPENDING-FLAG.	50032481
02102	200700	MOVE SPACES TO VERB-AGAIN-FLAG.	50032481
02103	200800	PERFORM P2-GOTO-DEPENDING UNTIL VERB-AGAIN-FLAG = "YES".	50032481
02104	200900	SUBTRACT 1 FROM GOTO-SAVEPTR GIVING STRING-PTR.	50033181
02105	201000	PERFORM P2-WORD-POINTER-SCAN.	50033181
02106	201100	MOVE SPACES TO VERB-AGAIN-FLAG.	50032481
02107	201200	PERFORM P2-GOTO-PARA-CREATED UNTIL VERB-AGAIN-FLAG = "YES".	50032481
02108	201300*	-----	50032481
02109	201400	P2-GOTO-DEPENDING.	50032481
02110	201500	IF RESERVE-WORD = "DEPENDING "	50032481
02111	201600	THEN PERFORM P2-GOTO-DEPENDING-ON	50032481
02112	201700	MOVE "YES" TO DEPENDING-FLAG.	50032481
02113	201800	PERFORM P2-WORD-POINTER-SCAN.	50032481
02114	201900	PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT.	50032481
02115	202000*	-----	50032481
02116	202100	P2-GOTO-DEPENDING-ON.	50032481
02117	202200	PERFORM P2-WORD-POINTER-SCAN.	50032481
02118	202300	IF RESERVE-WORD = "ON "	50032481
02119	202400	THEN PERFORM P2-WORD-POINTER-SCAN.	50032481
02120	202500	MOVE SPACES TO STATEMENT-BLOCK.	50032481
02121	202600	MOVE ZEROS TO BLK-PTR.	50032481
02122	202700	PERFORM P2-BLOCK-STATEMENT.	50032481
02123	202800	MOVE SPACES TO STATEMENT-REC.	50032481
02124	202900	MOVE "G" TO BLOCK-TYPE.	50032481
02125	203000	MOVE STATEMENT-BLOCK TO ST-TEXT.	50032481
02126	203100	WRITE STATEMENT-REC.	50032481

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02127 203200*-----S0032481
02128 203300 P2-GOTO-PARA-CREATED. S0032481
02129 203400 MOVE SPACES TO STATEMENT-BLOCK. S0032481
02130 203500 MOVE ZEROS TO BLK-PTR. S0032481
02131 203600 MOVE SPACES TO PARA-FOUND-FLAG. S0032481
02132 203700 PERFORM P2-PROCEDURE-SEARCH VARYING PAPA-PTP FROM 1 BY 1 S0032481
02133 203800 UNTIL PAPA-FOUND-FLAG = "YES" S0032481
02134 203900 MOVE SPACES TO STATEMENT-REC. S0032481
02135 204000 MOVE STATEMENT-BLOCK TO ST-TEXT. S0032481
02136 204100 IF DEPENDING-FLAG = "YES" S0032481
02137 204200 THEN MOVE "Z" TO BLOCK-TYPE. TX040581
02138 204300 IF DEPENDING-FLAG NOT = "YES" THEN MOVE "H" TO BLOCK-TYPE, TX040581
02139 204400 WRITE STATEMENT-REC. S0032481
02140 204500 PERFORM P2-WORD-POINTER-SCAN. S0032481
02141 204600 PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT. CH032881
02142 204700 IF VERB-AGAIN-FLAG NOT = "YES" THEN TX040581
02143 204800 IF RESERVE-WORD = "DEPENDING " TX040581
02144 204900 THEN MOVE SPACES TO STATEMENT-REC TX040581
02145 205000 MOVE "Y" TO BLOCK-TYPE TX040581
02146 205100 WRITE STATEMENT-REC TX040581
02147 205200 PERFORM P2-WORD-POINTER-SCAN TX040581
02148 205300 IF RESERVE-WORD = "ON " TX040581
02149 205400 THEN PERFORM P2-WORD-POINTER-SCAN 2 TIMES TX040581
02150 205500 PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT TX040581
02151 205600 ELSE PERFORM P2-WORD-POINTER-SCAN TX040581
02152 205700 PERFORM P2-VERB-AGAIN THRU P2-VERB-AGAIN-XIT. TX040581
02153 205800*-----S0032481
02154 205900*****S0032481
02155 206000 P3-PROGRAM-DOC-REPORT-S SECTION. CH032881
02156 206100 P3-PROGRAM-DOC-REPORT. S0032481
02157 206300 IF COMMENT-SIGNAL = "YES" S0032481
02158 206400 THEN MOVE SPACES TO PROCURE1-TERM-FLAG S0032481
02159 206500 PERFORM P3-COMMENT-PRINT VARYING PROCURE1-PT03 FROM S0032481
02160 206600 1 BY 1 UNTIL PPCURE1-TERM-FLAG = "YES". S0032681
02161 206700 MOVE SPACES TO BYE-FLAG. S0032481
02162 206750 PERFORM P3-DATA-INITIALIZE. CH032881
02163 206800 PERFORM P3-FLOWCHART-PRINT UNTIL BYE-FLAG = "BYE". S0032481
02164 206900 IF MATCHING-SIGNAL = "YES" S0032481
02165 207000 THEN PERFORM P3-MATCHING-REPT-PRINT. S0032481
02166 207100 PERFORM P3-PAPA-INDEX-PRINT. S0032481
02167 207200*-----S0032481
02168 207300 P3-DATA-INITIALIZE. S0032481
02169 207310 MOVE 0 TO NUM-OF-PAGE. A0041481
02170 207400 PERFORM P3-SKIP-PAGE1. S0032481
02171 207500 MOVE 0 TO PAPA-PAGE-PTP. S0032481
02172 207600*-----S0032481
02173 207700 P3-COMMENT-PRINT. S0032481
02174 207800 MOVE SPACES TO PRINT-REC. S0032481
02175 207900 IF COMMENT-CONTROL (PPCURE1-PTP3) = "Z" S0032481
02176 208000 THEN MOVE "YES" TO PROCURE1-TERM-FLAG S0032481
02177 208100 MOVE SPACES TO PRINT-REC. S0032481
02178 208700 IF COMMENT-CONTROL (PPCURE1-PTP3) = " " CH042181
02179 208800 THEN WRITE PRINT-REC FROM COMMENT-TEXT (PPCURE1-PTP3)

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02180	208900	AFTER ADVANCING 1 LINES.	
02181	209000	IF COMMENT-CONTROL (PROCEDURE1-PTP3) = "0"	
02182	209100	THEN WRITE PRINT-REC FROM COMMENT-TEXT (PROCEDURE1-PTP3)	CH042181
02183	209200	AFTER ADVANCING 2 LINES.	
02184	209300	IF COMMENT-CONTROL (PROCEDURE1-PTP3) = "-"	
02185	209400	THEN WRITE PRINT-REC FROM COMMENT-TEXT (PROCEDURE1-PTP3)	
02186	209500	AFTER ADVANCING 3 LINES.	
02187	209600	IF COMMENT-CONTROL (PROCEDURE1-PTP3) = "1"	
02188	209700	THEN WRITE PRINT-REC FROM COMMENT-TEXT (PROCEDURE1-PTP3)	
02189	209800	AFTER ADVANCING PAGES.	
02190	209810	IF COMMENT-CONTROL (PROCEDURE1-PTP3) = "C"	
02191	209820	THEN WRITE PRINT-REC FROM COMMENT-TEXT (PROCEDURE1-PTP3)	
02192	209830	AFTER ADVANCING FOOTS.	
02193	209900*	-----	S0032481
02194	210000	P3-FLOWCHART-PRINT.	S0032481
02195	210100	READ STATEMENT-FILE AT END MOVE "BYE" TO BYE-FLAG	S0032481
02196	210200	MOVE SPACES TO PRINT-REC	S0032481
02197	210300	WRITE PRINT-REC BEFORE ADVANCING	CH042181
02198	210400	PAGES.	
02199	210700	IF BYE-FLAG NOT = "BYE"	S0032481
02200	210800	THEN IF FLOW-LINE-CONTROL NOT = " "	S0032481
02201	210900	THEN PERFORM P3-LEG-DECISION	S0032481
02202	211000	ELSE IF BLOCK-TYPE = "P" OR = "S" OR = "M"	S0032481
02203	211100	THEN PERFORM P3-PROCEDURE-MANAGE	S0032481
02204	211200	ELSE PERFORM P3-DETAIL-MANAGE.	S0032481
02205	211300*	-----	S0032481
02206	211400	P3-PROCEDURE-MANAGE.	S0032481
02207	211500	MOVE 6 TO LINE-PER-BLOCK.	TK040581
02208	211600	PERFORM P3-LINE-SUFFICIENT.	S0032481
02209	211700	IF LINE-SUFFICIENT = "NOK"	S0032481
02210	211800	THEN PERFORM P3-SKIP-PAGE.	S0032481
02211	211900	MOVE SPACES TO PRINT-REC.	TK040581
02212	212000	WRITE PRINT-REC.	TK040581
02213	212100	MOVE SPACES TO PRINT-REC.	TK040581
02214	212200	WRITE PRINT-REC.	TK040581
02215	212300	MOVE SPACES TO PRINT-REC.	S0032481
02216	212400	WRITE PRINT-REC FROM PARA-HEAD-LINE.	S0032481
02217	212500	MOVE SPACES TO PRINT-REC.	S0032481
02218	212600	MOVE ST-TEXT TO PRINT-REC.	TK040581
02219	212700	WRITE PRINT-REC.	TK040581
02220	212800	MOVE SPACES TO PRINT-REC.	SS040381
02221	212900	WRITE PRINT-REC FROM DOT-LINE.	AA041881
02222	213000	MOVE SPACES TO PRINT-REC.	SS040381
02223	213100	WRITE PRINT-REC.	SS040381
02224	213200	IF BLOCK-TYPE = "P" OR = "S"	S0032481
02225	213300	THEN ADD 1 TO PARA-PAGE-PTP	S0032481
02226	213400	MOVE NUM-OF-PAGE TO PARA-SECTION-PAGE (PARA-PAGE-PTP).	S0032481
02227	213500*	-----	S0032481
02228	213600	P3-LEG-DECISION.	S0032481
02229	213700	IF FLOW-LINE-CONTROL = "E"	S0032481
02230	213800	THEN MOVE "Y" TO VERT-LEFT-PLOT	S0032481
02231	213900	MOVE "Y" TO BLOCK-RIGHT-PLOT.	S0032481
02232	214000	IF FLOW-LINE-CONTROL = "F"	S0032481

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02233	214100	THEN IF BLOCK-RIGHT-PLOT = "Y"	S0032481
02234	214200	THEN MOVE "Y" TO VERT-RIGHT-PLOT	S0032481
02235	214300	ELSE MOVE "Y" TO NEARLY-MAD-PLOT.	S0032481
02236	214400	IF FLOW-LINE-CONTROL = "T"	S0032481
02237	214500	THEN IF BLOCK-RIGHT-PLOT = "Y"	S0032481
02238	214600	THEN MOVE SPACES TO VERT-LEFT-PLOT	S0032481
02239	214700	MOVE SPACES TO BLOCK-RIGHT-PLOT	S0032481
02240	214800	IF OLD-BLOCK-TYPE NOT = "H" AND NOT = "R"	S5040381
02241	214900	AND NOT = "X" AND NOT = "R"	A5041381
02242	215000	AND NOT = "V"	P8040781
02243	215100	THEN PERFORM P3-BRANCH-OUT-PLOT	S0032481
02244	215200	MOVE "Y" TO VERT-RIGHT-PLOT.	S0032481
02245	215300	IF FLOW-LINE-CONTROL = "D"	S0032481
02246	215400	THEN IF VERT-RIGHT-PLOT = "Y"	S0032481
02247	215500	THEN PERFORM P3-BRANCH-IN1-PLOT	S0032481
02248	215600	MOVE SPACES TO VERT-RIGHT-PLOT	S0032481
02249	215700	MOVE SPACES TO NEARLY-MAD-PLOT.	S0032481
02250	215800	IF FLOW-LINE-CONTROL = "D" OR = "T"	S0032481
02251	215900	THEN IF NEARLY-MAD-PLOT = "Y"	S0032481
02252	216000	THEN PERFORM P3-BRANCH-IN2-PLOT	S0032481
02253	216100	MOVE SPACES TO NEARLY-MAD-PLOT.	S0032481
02254	216200*	-----	S0032481
02255	216300	P3-BRANCH-OUT-PLOT.	S0032481
02256	216400	MOVE 1 TO LINE-PER-BLOCK.	S0032481
02257	216500	PERFORM P3-LINE-SUFFICIENT.	S0032481
02258	216600	IF LINE-SUFFICIENT = "NOK"	S0032481
02259	216700	THEN PERFORM P3-DETAIL-SKIP-PAGE.	S0032481
02260	216800	MOVE SPACES TO PRINT-IMAGE-B.	S0032481
02261	216900	MOVE "V" TO LEFT-VER-R.	S0032481
02262	217000	MOVE "-" TO RIGHT-VER-R.	S0032481
02263	217100	MOVE BRANCH-OUT-LINE TO BRANCH-OUT-B.	S0032481
02264	217200	MOVE "-" TO ELSE-VER-R.	S0032481
02265	217300	WRITE PRINT-REC FROM PRINT-IMAGE-B.	S0032481
02266	217400*	-----	S0032481
02267	217500	P3-BRANCH-IN1-PLOT.	S0032481
02268	217600	MOVE 2 TO LINE-PER-BLOCK.	S0032481
02269	217700	PERFORM P3-LINE-SUFFICIENT.	S0032481
02270	217800	IF LINE-SUFFICIENT = "NOK"	S0032481
02271	217900	THEN PERFORM P3-DETAIL-SKIP-PAGE.	S0032481
02272	218000	MOVE SPACES TO PRINT-IMAGE-B.	S0032481
02273	218100	MOVE "I" TO LEFT-VER-R.	S0032481
02274	218200	MOVE BRANCH-IN1-LINE TO BRANCH-IN-B.	S0032481
02275	218300	MOVE "-" TO RIGHT-VER-R.	S0032481
02276	218400	MOVE BRANCH-IN2-LINE TO BRANCH-OUT-B.	S0032481
02277	218500	MOVE "-" TO ELSE-VER-R.	S0032481
02278	218600	WRITE PRINT-REC FROM PRINT-IMAGE-B.	S0032481
02279	218700	MOVE SPACES TO PRINT-IMAGE-B.	S0032481
02280	218800	MOVE "V" TO LEFT-VER-R.	S0032481
02281	218900	WRITE PRINT-REC FROM PRINT-IMAGE-B.	S0032481
02282	219000*	-----	S0032481
02283	219100	P3-BRANCH-IN2-PLOT.	S0032481
02284	219200	MOVE 2 TO LINE-PER-BLOCK.	P8040981
02285	219300	PERFORM P3-LINE-SUFFICIENT.	S0032481

02286	219400	IF LINE-SUFFICIENT = "NOK"	50032401
02287	219500	THEN PERFORM P3-DETAIL-SKIP-PAGE.	50032401
02288	219600	MOVE SPACES TO PRINT-IMAGE-B.	50032401
02289	219700	MOVE "I" TO LEFT-VER-B.	50032401
02290	219800	MOVE BRANCH-IN3-LINE TO BRANCH-IN-B.	50032401
02291	219900	WRITE PRINT-FFC FROM PRINT-IMAGE-B.	50032401
02292	220000	MOVE SPACES TO PRINT-IMAGE-B.	50032401
02293	220100	MOVE "V" TO LEFT-VER-B.	50032401
02294	220200	WRITE PRINT-FFC FROM PRINT-IMAGE-B.	50032401
02295	220300*	-----	50032401
02296	220400	P3-DETAIL-MANAGE.	50032401
02297	220500	MOVE BLOCK-TYPE TO OLD-BLOCK-TYPE.	50032601
02298	220600	MOVE SPACES TO PRODUCE1-TERM-FLAG.	50032401
02299	220700	PERFORM P3-STMNT-LENGTH-SCAN VARYING PRODUCE1-PTR3 FROM 504	50032401
02300	220800	BY -1 UNTIL PRODUCE1-TERM-FLAG = "YES".	50032401
02301	220900	IF BLOCK-TYPE = "A" OR = "B" OR = "C" OR = "E" OR = "W"	50040301
02302	221000	OR = "D" OR = "2" OR = "F" OR = "G" OR = "W" OR = "T"	50040301
02303	221100	OR = "H" OR = "P" OR = "5" OR = "6"	AS041801
02304	221200	THEN PERFORM P3-BLK-TEXT-PUTINTO.	50040301
02305	221300	PERFORM P3-FIND-NOFF-BLKLINE.	50032401
02306	221400	PERFORM P3-LINE-SUFFICIENT.	50032401
02307	221500	IF LINE-SUFFICIENT = "NOK"	50032401
02308	221600	THEN PERFORM P3-DETAIL-SKIP-PAGE.	50032401
02309	221700	PERFORM P3-BLOCK-PRINT THRU P3-BLKPRINT-XIT.	50032401
02310	221800*	-----	50032401
02311	221900	P3-STMNT-LENGTH-SCAN.	50032401
02312	222000	IF ST-CHAR (PRODUCE1-PTP3) NOT = " "	50032401
02313	222100	THEN MOVE "YES" TO PRODUCE1-TERM-FLAG	50032401
02314	222200	ADD 1 PRODUCE1-PTP3 GIVING ST-LENGTH.	TX040501
02315	222300	IF PRODUCE1-PTP3 = 1	50032401
02316	222400	THEN MOVE "YES" TO PRODUCE1-TERM-FLAG.	50032601
02317	222500*	-----	50032401
02318	222600	P3-BLK-TEXT-PUTINTO.	50032401
02319	222700	MOVE 1 TO F-TXT-PTP.	50032401
02320	222800	MOVE SPACES TO BLOCK-BUFFER.	50032401
02321	222900	MOVE 1 TO L-TXT-PTP.	50040301
02322	223000	PERFORM P3-LINE-TEXT-PUTINTO VARYING LINE-NUM FROM 1 BY 1	50032401
02323	223100	UNTIL L-TXT-PTP > ST-LENGTH.	TX040501
02324	223200*	-----	50032401
02325	223300	P3-LINE-TEXT-PUTINTO.	50032401
02326	223400	MOVE LINE-NUM TO LINE-PER-STMNT.	50032401
02327	223500	COMPUTE L-TXT-PTP = F-TXT-PTP + 45.	PE040701
02328	223600	MOVE SPACES TO PRODUCE1-TERM-FLAG.	50032401
02329	223700	PERFORM P3-TXTEND-INLINE VARYING PRODUCE1-PTP3 FROM	50032601
02330	223800	L-TXT-PTP BY -1 UNTIL PRODUCE1-TERM-FLAG = "YES".	50032401
02331	223900	MOVE F-TXT-PTP TO TEXT-TEMP-PTP.	50032401
02332	224000	PERFORM P3-INLINE-MOVE VARYING PRODUCE1-PTP2 FROM 1 BY 1	50032401
02333	224100	UNTIL TEXT-TEMP-PTP > S-TXT-PTP.	TX040501
02334	224200	ADD 1 S-TXT-PTP GIVING F-TXT-PTP.	50032401
02335	224300*	-----	50032401
02336	224400	P3-TXTEND-INLINE.	50032601
02337	224500	IF ST-CHAR (PRODUCE1-PTP3) = " "	50032401
02338	224600	THEN MOVE PRODUCE1-PTP3 TO S-TXT-PTP	50032401

02339	224700	MOVE "YES" TO PRCDIPE1-TERM-FLAG.	S0032481
02340	224800	IF PRCDIPE1-PTR3 = F-TXT-PTR	S0032481
02341	224900	THEN MOVE L-TXT-PTR TO S-TXT-PTR	S0032481
02342	225000	MOVE "YES" TO PRCDIPE1-TERM-FLAG.	S0032481
02343	225100*	-----	S0032481
02344	225200	P3-INLINE-MOVE.	S0032581
02345	225300	MOVE ST-CHAR (TEXT-TEMP-PTR) TO	S0032581
02346	225400	IN LINE-BLOCK (LINE-NUM, PRCDIPE1-PTR2).	S0032581
02347	225500	ADD 1 TO TEXT-TEMP-PTR.	S0032581
02348	225600*	-----	S0032581
02349	225700	P3-LINE-SUFFICIENT.	S0032581
02350	225800	MOVE "NOK" TO LINE-SUFFICIENT.	S0032581
02351	225900	IF LINE-REMAIN > LINE-PER-BLOCK	S0032581
02352	226000	THEN MOVE "YES" TO LINE-SUFFICIENT	S0032581
02353	226100	SUBTRACT LINE-PER-BLOCK FROM LINE-REMAIN.	S0032581
02354	226200*	-----	S0032581
02355	226300	P3-SKIP-PAGE1.	A0041481
02356	226400	ADD 1 TO NUM-OF-PAGE.	S0032581
02357	226500	MOVE NUM-OF-PAGE TO PAGE-NUMS.	A0041481
02358	226600	MOVE CURRENT-DATE TO DATE-NOW.	C0042181
02359	226700	MOVE TIME-OF-DAY TO TIME-NOW.	C0042181
02360	227000	WRITE PRINT-REC FROM PAGE-DATE-TIME AFTER ADVANCING PAGES.	S0032581
02361	227100	MOVE SPACES TO PRINT-REC.	S0032581
02362	227200	WRITE PRINT-REC.	S0040981
02363	227300	MOVE 53 TO LINE-REMAIN.	C0042181
02364	227350*	-----	A0041481
02365	227400	P3-SKIP-PAGE.	A0041481
02366	227500	ADD 1 TO NUM-OF-PAGE.	A0041481
02367	227600	MOVE NUM-OF-PAGE TO PAGE-NUM.	A0041481
02368	227900	WRITE PRINT-REC FROM PAGE-DATE-TIME AFTER ADVANCING PAGES.	A0041481
02369	228000	MOVE SPACES TO PRINT-REC.	A0041481
02370	228100	WRITE PRINT-REC.	A0041481
02371	228200	MOVE 53 TO LINE-REMAIN.	S0032581
02372	228300*	-----	S0032581
02373	228400	P3-FIND-NODE-BLKLINE.	S0032581
02374	228500	IF BLOCK-TYPE = "A" OR = "B" OR = "C"	S0032581
02375	228600	OR = "E" OR = "M"	S0032581
02376	228700	THEN ADD 4 LINE-PER-STMNT GIVING LINE-PER-BLOCK.	S0040381
02377	228800	IF BLOCK-TYPE = "D"	S0032581
02378	228900	THEN ADD 8 LINE-PER-STMNT GIVING LINE-PER-BLOCK.	S0032581
02379	229000	IF BLOCK-TYPE = "F"	S0032581
02380	229100	THEN ADD 3 LINE-PER-STMNT GIVING LINE-PER-BLOCK.	S0040381
02381	229200	IF BLOCK-TYPE = "G" OR = "W" OR = "T" OR = "2"	S0032581
02382	229300	THEN ADD 6 LINE-PER-STMNT GIVING LINE-PER-BLOCK.	C0040981
02383	229400	IF BLOCK-TYPE = "Z" OR = "Y" OR = "U"	S0032581
02384	229500	THEN MOVE 3 TO LINE-PER-BLOCK.	S0032581
02385	229600	IF BLOCK-TYPE = "I" OR = "J" OR = "K"	A0041481
02386	229700	OR = "L" OR = "3" OR = "N"	S0032531
02387	229800	THEN MOVE 9 TO LINE-PER-BLOCK.	A0041881
02388	229900	IF BLOCK-TYPE = "O" OR = "P"	S0032581
02389	230000	THEN ADD 7 LINE-PER-STMNT GIVING LINE-PER-BLOCK.	C0040981
02390	230100	IF BLOCK-TYPE = "1" OR = "H" OR = "X" OR = "V"	A0041881
02391	230200	OR = "7" OR = "8"	

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02445	235600	PERFORM P3-TEXT-WRITE	S0032581
02446	235700	PERFORM P3-TAIL4-WRITE	S0032581
02447	235800	GO TO P3-BLKPRNT-XIT.	S0032581
02448	235900	IF BLOCK-TYPE = "5"	SS040381
02449	236000	THEN PERFORM P3-TOP5-WRITE	S0032581
02450	236100	PERFORM P3-TEXT-WRITE	S0032581
02451	236200	PERFORM P3-TAIL5-WRITE	S0032581
02452	236300	GO TO P3-BLKPRNT-XIT.	S0032581
02453	236400	IF BLOCK-TYPE = "2"	S0032581
02454	236500	THEN PERFORM P3-TOP1-WRITE	S0032581
02455	236600	PERFORM P3-TEXT-WRITE	S0032581
02456	236700	PERFORM P3-TAIL6-WRITE	S0032581
02457	236800	GO TO P3-BLKPRNT-XIT.	S0032581
02458	236900	IF BLOCK-TYPE = "1"	S0032581
02459	237000	THEN PERFORM P3-FIX6-WRITE	S0032581
02460	237100	GO TO P3-BLKPRNT-XIT.	S0032581
02461	237200	IF BLOCK-TYPE = "X"	S0032581
02462	237300	THEN PERFORM P3-FIX7-WRITE	S0032581
02463	237400	GO TO P3-BLKPRNT-XIT.	S0032581
02464	237500	IF BLOCK-TYPE = "0"	S0032581
02465	237600	THEN PERFORM P3-FIX8-WRITE	S0032581
02466	237700	GO TO P3-BLKPRNT-XIT.	S0032581
02467	237800	IF BLOCK-TYPE = "Z"	S0032581
02468	237900	THEN PERFORM P3-FIX9-WRITE	S0032581
02469	238000	GO TO P3-BLKPRNT-XIT.	S0032581
02470	238100	IF BLOCK-TYPE = "H"	S0032581
02471	238200	THEN PERFORM P3-FIX10-WRITE	S0032581
02472	238300	GO TO P3-BLKPRNT-XIT.	S0032581
02473	238400	IF BLOCK-TYPE = "Y"	S0032581
02474	238500	THEN PERFORM P3-FIX11-WRITE	S0032581
02475	238600	GO TO P3-BLKPRNT-XIT.	S0032581
02476	238700	IF BLOCK-TYPE = "E"	S0032581
02477	238800	THEN PERFORM P3-TOP7-WRITE	S0032581
02478	238900	PERFORM P3-TEXT-WRITE	SS032681
02479	239000	PERFORM P3-TAIL7-WRITE	S0032581
02480	239100	GO TO P3-BLKPRNT-XIT.	S0032581
02481	239200	IF BLOCK-TYPE = "A"	AA041881
02482	239300	THEN PERFORM P3-TOP1-WRITE	S0032581
02483	239400	PERFORM P3-TEXT-WRITE	S0032581
02484	239500	PERFORM P3-TOP1-WRITE	S0032581
02485	239600	PERFORM P3-FIX12-WRITE	S0032581
02486	239700	PERFORM P3-TAIL1-WRITE	S0032581
02487	239800	GO TO P3-BLKPRNT-XIT.	S0032581
02488	239900	IF BLOCK-TYPE = "C"	S0032581
02489	240000	THEN PERFORM P3-FIX13-WRITE	S0032581
02490	240100	GO TO P3-BLKPRNT-XIT.	S0032581
02491	240200	IF BLOCK-TYPE = "7"	AA041881
02492	240300	THEN PERFORM P3-FIX19-WRITE	AA041881
02493	240400	GO TO P3-BLKPRNT-XIT.	AA041881
02494	240500	IF BLOCK-TYPE = "8"	AA041881
02495	240600	THEN PERFORM P3-FIX20-WRITE	AA041881
02496	240700	GO TO P3-BLKPRNT-XIT.	AA041881
02497	240800	IF BLOCK-TYPE = "W"	S0032581

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02551	246200	THEN MOVE HOPIZI TO RIGHT-BLOCK-C	SS032581
02552	246300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032581
02553	246400	ELSE MOVE HOPIZI TO LEFT-BLOCK-A	SS032581
02554	246500	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SS032581
02555	246600*	-----	SS032581
02556	246700	P3-TAILI-WRITE.	SS032581
02557	246800	IF BLOCK-RIGHT-PLOT = "Y"	SS032581
02558	246900	THEN MOVE ARROW-A TO RIGHT-BLOCK-C	SS032581
02559	247000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032581
02560	247100	MOVE ARROW-B TO RIGHT-BLOCK-C	SS032581
02561	247200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02562	247300	ELSE MOVE ARROW-A TO LEFT-BLOCK-A	SS032581
02563	247400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SS032581
02564	247500	MOVE ARROW-B TO LEFT-BLOCK-A	SS032581
02565	247600	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SS032581
02566	247700*	-----	SS032581
02567	247800	P3-TEXT-WRITE.	SS032681
02568	247900	MOVE SPACES TO EDITED-STATEMENT.	SS032681
02569	248000	IF BLOCK-TYPE = "A" OR = "P" OR = "R" OR = "W" OR = "T"	SS032681
02570	248100	THEN MOVE "I" TO LEFT-EDGE	SS032681
02571	248200	MOVE "I" TO RIGHT-EDGE.	SS040381
02572	248300	IF BLOCK-TYPE = "B"	SS032681
02573	248400	THEN MOVE "/" TO LEFT-EDGE	SS032681
02574	248500	MOVE "/" TO RIGHT-EDGE.	SS040381
02575	248600	IF BLOCK-TYPE = "C"	SS032681
02576	248700	THEN MOVE "P" TO LEFT-EDGE	SS032681
02577	248800	MOVE "R" TO RIGHT-EDGE.	SS040381
02578	248900	IF BLOCK-TYPE = "D" OR = "G" OR = "5" OR = "6"	SS032681
02579	249000	THEN MOVE "<" TO LEFT-EDGE	SS032681
02580	249100	MOVE ">" TO RIGHT-EDGE.	SS040381
02581	249200	IF BLOCK-TYPE = "F" OR = "E" OR = "2"	SS032681
02582	249300	THEN MOVE "I" TO LEFT-EDGE	SS032681
02583	249400	MOVE "I" TO RIGHT-EDGE.	SS032681
02584	249500	IF BLOCK-TYPE = "M"	SS032681
02585	249600	THEN MOVE "S" TO LEFT-EDGE	SS032681
02586	249700	MOVE "S" TO RIGHT-EDGE.	SS040381
02587	249800	PERFORM P3-EDITED-TEXT-PRINT VARYING TEXT-LINE FROM 1 BY 1	SS032681
02588	249900	UNTIL TEXT-LINE > LINE-PER-STMNT.	SS032681
02589	250000*	-----	SS032681
02590	250100	P3-EDITED-TEXT-PRINT.	SS032681
02591	250200	MOVE SPACES TO EDITED-TEXT.	SS032681
02592	250300	MOVE SPACES TO EDITED-POSN-FOUND.	SS032681
02593	250400	PERFORM P3-EDITED-TEXT-SCAN VARYING TEXT-PTR FROM 45 BY -1	SS032681
02594	250500	UNTIL EDITED-POSN-FOUND = "YES".	SS032681
02595	250600	MOVE 0 TO TEXT-PTR.	SS032681
02596	250700	PERFORM P3-EDITED-TEXT-CREATED VARYING EDIT-PTR FROM	SS032681
02597	250800	EDIT-FIRST-PTR BY 1 UNTIL EDIT-PTR > EDIT-LAST-PTR.	SS032681
02598	250900	PERFORM P3-VEPTICAL-LINE-MOVE.	SS032681
02599	251000	IF BLOCK-RIGHT-PLOT = "Y"	SS032681
02600	251100	THEN MOVE EDITED-STATEMENT TO RIGHT-BLOCK-C	SS032681
02601	251200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02602	251300	ELSE MOVE EDITED-STATEMENT TO LEFT-BLOCK-A	SS032681
02603	251400	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SS032681



02604	251500*	-----	SS032681
02605	251600	P3-EDITTED-TEXT-SCAN.	SS032681
02606	251700	IF INLINE-BLOCK (TEXT-LINE, TEXT-PTR) NOT = " "	SS032681
02607	251800	THEN MOVE "YES" TO EDITTED-POSN-FOUND	SS032681
02608	251900	SUBTRACT TEXT-PTR FROM 47 GIVING EDIT-FIRST-PTR	SS032681
02609	252000	DIVIDE EDIT-FIRST-PTR BY 2 GIVING EDIT-FIRST-PTR	SS032681
02610	252100	COMPUTE EDIT-LAST-PTR = EDIT-FIRST-PTR +	SS032681
02611	252200	TEXT-PTR - 1.	SS032681
02612	252300	IF TEXT-PTR = 1	SS032681
02613	252400	THEN MOVE "YES" TO EDITTED-POSN-FOUND.	SS032681
02614	252500*	-----	SS032681
02615	252600	P3-EDITTED-TEXT-CREATED.	SS032681
02616	252700	ADD 1 TO TEXT-PTR.	SS032681
02617	252800	MOVE INLINE-BLOCK (TEXT-LINE, TEXT-PTR) TO EDIT-TEXT	SS032681
02618	252900	(EDIT-PTR).	SS032681
02619	253000*	-----	SS032681
02620	253100	P3-TOP2-WRITE.	SS032681
02621	253200	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02622	253300	MOVE HORIZ2 TO LEFT-BLOCK-A.	SS032681
02623	253400	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02624	253500	MOVE HORIZ3 TO LEFT-BLOCK-A.	SS032681
02625	253600	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02626	253700	MOVE HORIZ5 TO LEFT-BLOCK-A.	SS032681
02627	253800	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02628	253900*	-----	SS032681
02629	254000	P3-TAIL2-WRITE.	SS032681
02630	254100	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02631	254200	MOVE HORIZ6 TO LEFT-BLOCK-A.	SS032681
02632	254300	MOVE HORIZ11 TO AT-END-LEG-A.	SS032681
02633	254400	MOVE " " TO AT-END-VER-A.	SS032681
02634	254500	MOVE BRANCH-OUT-LINE TO FAR SE-LEG-A.	SS032681
02635	254600	MOVE "I" TO RIGHT-VER-A.	SS032681
02636	254700	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02637	254800	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02638	254900	MOVE HORIZ3 TO LEFT-BLOCK-A.	SS032681
02639	255000	MOVE "I" TO RIGHT-VER-A.	SS032681
02640	255100	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02641	255200	MOVE HORIZ2 TO LEFT-BLOCK-A.	SS032681
02642	255300	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02643	255400	MOVE ARROW-C TO LEFT-BLOCK-A.	SS032681
02644	255500	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02645	255600	MOVE ARROW-B TO LEFT-BLOCK-A.	SS032681
02646	255700	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02647	255800*	-----	SS032681
02648	255900	P3-FIX1-WRITE.	SS032681
02649	256000	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02650	256100	IF BLOCK-RIGHT-PICT = "Y"	SS032681
02651	256200	THEN PERFORM P3-FIX3-WRITE	SS032681
02652	256300	ELSE PERFORM P3-FIX2-WRITE.	SS032681
02653	256400*	-----	SS032681
02654	256500	P3-FIX2-WRITE.	SS032681
02655	256600	MOVE HORIZ2 TO LEFT-BLOCK-A.	SS032681
02656	256700	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681

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02657	256800	MOVE HORIZ3 TO LEFT-BLOCK-A.	SS032681
02658	256900	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02659	257000	MOVE HORIZ4 TO LEFT-BLOCK-A.	SS032681
02660	257100	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02661	257200	IF BLOCK-TYPE = "I"	SS032681
02662	257300	THEN MOVE HORIZ7 TO LEFT-BLOCK-A.	SS032681
02663	257400	IF BLOCK-TYPE = "J"	SS032681
02664	257500	THEN MOVE HORIZ8 TO LEFT-BLOCK-A.	SS032681
02665	257600	IF BLOCK-TYPE = "K"	SS032681
02666	257700	THEN MOVE HORIZ9 TO LEFT-BLOCK-A.	SS032681
02667	257800	IF BLOCK-TYPE = "L"	SS032681
02668	257900	THEN MOVE HORIZ10 TO LEFT-BLOCK-A.	SS032681
02669	258000	IF BLOCK-TYPE = "N"	AA041481
02670	258100	THEN MOVE HORIZ22 TO LEFT-BLOCK-A.	AA041481
02671	258200	MOVE HORIZ12 TO AT-END-LEG-A.	SS032681
02672	258300	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02673	258400	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02674	258500	MOVE HORIZ4 TO LEFT-BLOCK-A.	SS032681
02675	258600	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02676	258700	MOVE HORIZ3 TO LEFT-BLOCK-A.	SS032681
02677	258800	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02678	258900	MOVE HORIZ2 TO LEFT-BLOCK-A.	SS032681
02679	259000	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02680	259100	MOVE ARROW-C TO LEFT-BLOCK-A.	SS032681
02681	259200	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02682	259300	MOVE ARROW-B TO LEFT-BLOCK-A.	SS032681
02683	259400	WRITE PRINT-FEC FROM PRINT-IMAGE-A.	SS032681
02684	259500		SS032681
02685	259600	P3-FIX3-WRITE.	SS032681
02686	259700	MOVE HORIZ2 TO RIGHT-BLOCK-C.	SS032681
02687	259800	WRITE PRINT-FEC FROM PRINT-IMAGE-C.	SS032681
02688	259900	MOVE HORIZ3 TO RIGHT-BLOCK-C.	SS032681
02689	260000	WRITE PRINT-FEC FROM PRINT-IMAGE-C.	SS032681
02690	260100	MOVE HORIZ4 TO RIGHT-BLOCK-C.	SS032681
02691	260200	WRITE PRINT-FEC FROM PRINT-IMAGE-C.	SS032681
02692	260300	IF BLOCK-TYPE = "I"	SS032681
02693	260400	THEN MOVE HORIZ7 TO RIGHT-BLOCK-C.	SS032681
02694	260500	IF BLOCK-TYPE = "J"	SS032681
02695	260600	THEN MOVE HORIZ8 TO RIGHT-BLOCK-C.	SS032681
02696	260700	IF BLOCK-TYPE = "K"	SS032681
02697	260800	THEN MOVE HORIZ9 TO RIGHT-BLOCK-C.	SS032681
02698	260900	IF BLOCK-TYPE = "L"	SS032681
02699	261000	THEN MOVE HORIZ10 TO RIGHT-BLOCK-C.	SS032681
02700	261100	IF BLOCK-TYPE = "N"	AA041481
02701	261200	THEN MOVE HORIZ22 TO RIGHT-BLOCK-C.	AA041481
02702	261300	MOVE HORIZ12 TO FALSE-LEG-C.	SS032681
02703	261400	WRITE PRINT-FEC FROM PRINT-IMAGE-C.	SS032681
02704	261500	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02705	261600	MOVE HORIZ4 TO RIGHT-BLOCK-C.	SS032681
02706	261700	WRITE PRINT-FEC FROM PRINT-IMAGE-C.	SS032681
02707	261800	MOVE HORIZ3 TO RIGHT-BLOCK-C.	SS032681
02708	261900	WRITE PRINT-FEC FROM PRINT-IMAGE-C.	SS032681
02709	262000	MOVE HORIZ2 TO RIGHT-BLOCK-C.	SS032681

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02710	262100	WRITE PRINT-REC FROM PRINT-IMAGE-C.	SS032681
02711	262200	MOVE ARROW-C TO RIGHT-BLOCK-C.	SS032681
02712	262300	WRITE PRINT-REC FROM PRINT-IMAGE-C.	SS032681
02713	262400	MOVE ARROW-B TO RIGHT-BLOCK-C.	SS032681
02714	262500	WRITE PRINT-REC FROM PRINT-IMAGE-C.	SS032681
02715	262600*	-----	SS032681
02716	262700	P3-TOP3-WRITE.	SS032681
02717	262800	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02718	262900	IF BLOCK-RIGHT-PLOT = "Y"	SS032681
02719	263000	THEN MOVE HORIZ2 TO RIGHT-BLOCK-C	SS032681
02720	263100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02721	263200	MOVE HORIZ3 TO RIGHT-BLOCK-C	SS032681
02722	263300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02723	263400	MOVE HORIZ13 TO RIGHT-BLOCK-C	SS032681
02724	263500	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02725	263600	ELSE MOVE HORIZ2 TO LEFT-BLOCK-A	SS032681
02726	263700	WRITE PRINT-REC FROM PRINT-IMAGE-A	SS032681
02727	263800	MOVE HORIZ3 TO LEFT-BLOCK-A	SS032681
02728	263900	WRITE PRINT-REC FROM PRINT-IMAGE-A	SS032681
02729	264000	MOVE HORIZ13 TO LEFT-BLOCK-A	SS032681
02730	264100	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SS032681
02731	264200*	-----	SS032681
02732	264300	P3-TAIL3-WRITE.	SS032681
02733	264400	IF BLOCK-RIGHT-PLOT = "Y"	SS032681
02734	264500	THEN MOVE HORIZ6 TO RIGHT-BLOCK-C	SS032681
02735	264600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02736	264700	MOVE HORIZ3 TO RIGHT-BLOCK-C	SS032681
02737	264800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02738	264900	MOVE HORIZ2 TO RIGHT-BLOCK-C	SS032681
02739	265000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SS032681
02740	265100	ELSE MOVE HORIZ6 TO LEFT-BLOCK-A	SS032681
02741	265200	WRITE PRINT-REC FROM PRINT-IMAGE-A	SS032681
02742	265300	MOVE HORIZ3 TO LEFT-BLOCK-A	SS032681
02743	265400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SS032681
02744	265500	MOVE HORIZ2 TO LEFT-BLOCK-A	SS032681
02745	265600	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SS032681
02746	265700*	-----	SS032681
02747	265800	P3-FIX4-WRITE.	SS032681
02748	265900	PERFORM P3-VERTICAL-LINE-MOVE.	SS032681
02749	266000	IF BLOCK-RIGHT-PLOT = "Y"	CA040881
02750	266100	THEN MOVE HORIZ2 TO RIGHT-BLOCK-C	SP032681
02751	266200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02752	266300	MOVE HORIZ14 TO RIGHT-BLOCK-C	SP032681
02753	266400	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02754	266500	MOVE HORIZ15 TO RIGHT-BLOCK-C	SP032681
02755	266600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02756	266700	MOVE HORIZ16 TO RIGHT-BLOCK-C	SP032681
02757	266800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02758	266900	MOVE HORIZ17 TO RIGHT-BLOCK-C	SP032681
02759	267000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02760	267100	MOVE HORIZ14 TO RIGHT-BLOCK-C	SP032681
02761	267200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02762	267300	MOVE HORIZ2 TO RIGHT-BLOCK-C	SP032681

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02763	267400	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02764	267500	MOVE ARROW-C TO RIGHT-BLOCK-C	SP032681
02765	267600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02766	267700	MOVE ARROW-B TO RIGHT-BLOCK-C	SP032681
02767	267800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02768	267900	ELSE MOVE HORIZ2 TO LEFT-BLOCK-A	SP032681
02769	268000	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02770	268100	MOVE HORIZ14 TO LEFT-BLOCK-A	SP032681
02771	268200	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02772	268300	MOVE HORIZ15 TO LEFT-BLOCK-A	SP032681
02773	268400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02774	268500	MOVE HORIZ16 TO LEFT-BLOCK-A	SP032681
02775	268600	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02776	268700	MOVE HORIZ17 TO LEFT-BLOCK-A	SP032681
02777	268800	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02778	268900	MOVE HORIZ14 TO LEFT-BLOCK-A	SP032681
02779	269000	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02780	269100	MOVE HORIZ2 TO LEFT-BLOCK-A	SP032681
02781	269200	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02782	269300	MOVE ARROW-C TO LEFT-BLOCK-A	SP032681
02783	269400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02784	269500	MOVE ARROW-B TO LEFT-BLOCK-A	SP032681
02785	269600	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
02786	269700*		SP032681
02787	269800	P3-FIX5-WRITE.	SP032681
02788	269900	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
02789	270000	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
02790	270100	THEN MOVE HORIZ18 TO RIGHT-BLOCK-C	SP032681
02791	270200	MOVE HORIZ12 TO FALSE-LFG-C	SP032681
02792	270300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02793	270400	MOVE SPACES TO RIGHT-BLOCK-C	TK040581
02794	270500	MOVE SPACES TO FALSE-LFG-C	TK040581
02795	270600	WRITE PRINT-REC FROM PRINT-IMAGE-C	TK040581
02796	270700	ELSE MOVE HORIZ18 TO LEFT-BLOCK-A	SP032681
02797	270800	MOVE HORIZ12 TO AT-END-LFG-A	SP032681
02798	270900	WRITE PRINT-REC FROM PRINT-IMAGE-A	TK040581
02799	271000	MOVE SPACES TO LEFT-BLOCK-A	TK040581
02800	271100	MOVE SPACES TO AT-END-LFG-A	TK040581
02801	271200	WRITE PRINT-REC FROM PRINT-IMAGE-A.	TK040581
02802	271300*		SP032681
02803	271400	P3-TOP4-WRITE.	SP032681
02804	271500	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
02805	271600	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
02806	271700	THEN MOVE HORIZ19 TO RIGHT-BLOCK-C	SP032681
02807	271800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02808	271900	MOVE HORIZ20 TO RIGHT-BLOCK-C	SP032681
02809	272000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02810	272100	MOVE HORIZ21 TO RIGHT-BLOCK-C	SP032681
02811	272200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02812	272300	MOVE HORIZ22 TO RIGHT-BLOCK-C	SP032681
02813	272400	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02814	272500	MOVE HORIZ23 TO RIGHT-BLOCK-C	SP032681
02815	272600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681

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02816	272700	ELSE MOVE HORIZ19 TO LEFT-BLOCK-A	SP032681
02817	272800	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02818	272900	MOVE HORIZ20 TO LEFT-BLOCK-A	SP032681
02819	273000	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02820	273100	MOVE HORIZ21 TO LEFT-BLOCK-A	SP032681
02821	273200	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02822	273300	MOVE HORIZ22 TO LEFT-BLOCK-A	SP032681
02823	273400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02824	273500	MOVE HORIZ23 TO LEFT-BLOCK-A	SP032681
02825	273600	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
02826	273700*	-----	SP032681
02827	273800	P3-TAIL4-WRITE.	SP032681
02828	273900	IF BLOCK-RIGHT-PLOT = "Y"	PA042981
02829	274000	THEN MOVE HORIZ23 TO RIGHT-BLOCK-C	SP032681
02830	274100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02831	274200	MOVE HORIZ24 TO RIGHT-BLOCK-C	SP032681
02832	274300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02833	274400	MOVE HORIZ25 TO RIGHT-BLOCK-C	SP032681
02834	274500	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02835	274600	MOVE HORIZ14 TO RIGHT-BLOCK-C	SP032681
02836	274700	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02837	274800	MOVE HORIZ2 TO RIGHT-BLOCK-C	SP032681
02838	274900	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02839	275000	MOVE ARROW-C TO RIGHT-BLOCK-C	SP032681
02840	275100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02841	275200	MOVE ARROW-B TO RIGHT-BLOCK-C	SP032681
02842	275300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02843	275400	ELSE MOVE HORIZ23 TO LEFT-BLOCK-A	SP032681
02844	275500	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02845	275600	MOVE HORIZ24 TO LEFT-BLOCK-A	SP032681
02846	275700	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02847	275800	MOVE HORIZ25 TO LEFT-BLOCK-A	SP032681
02848	275900	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02849	276000	MOVE HORIZ14 TO LEFT-BLOCK-A	SP032681
02850	276100	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02851	276200	MOVE HORIZ2 TO LEFT-BLOCK-A	SP032681
02852	276300	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02853	276400	MOVE ARROW-C TO LEFT-BLOCK-A	SP032681
02854	276500	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02855	276600	MOVE ARROW-B TO LEFT-BLOCK-A	SP032681
02856	276700	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
02857	276800*	-----	PA041881
02858	276900	P3-TOPS-WRITE.	SP032681
02859	277000	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
02860	277100	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
02861	277200	THEN MOVE HORIZ2 TO RIGHT-BLOCK-C	SP032681
02862	277300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02863	277400	MOVE HORIZ14 TO RIGHT-BLOCK-C	SP032681
02864	277500	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02865	277600	MOVE HORIZ25 TO RIGHT-BLOCK-C	SP032681
02866	277700	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02867	277800	MOVE HORIZ26 TO RIGHT-BLOCK-C	SP032681
02868	277900	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681

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02869	278000	MOVE HORIZ23 TO RIGHT-BLOCK-C	SP032781
02870	278100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02871	278200	ELSE MOVE HORIZ22 TO LEFT-BLOCK-A	SP032681
02872	278300	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02873	278400	MOVE HORIZ14 TO LEFT-BLOCK-A	SP032681
02874	278500	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02875	278600	MOVE HORIZ25 TO LEFT-BLOCK-A	SP032681
02876	278700	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02877	278800	MOVE HORIZ26 TO LEFT-BLOCK-A	SP032681
02878	278900	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02879	279000	MOVE HORIZ23 TO LEFT-BLOCK-A	SP032681
02880	279100	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
02881	279200*	-----	SP032681
02882	279300	P3-TAIL5-WRITE.	SP032681
02883	279400	IF BLOCK-RIGHT-PLOT = "Y"	SP040891
02884	279500	THEN MOVE HORIZ23 TO RIGHT-BLOCK-C	SP032681
02885	279600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02886	279700	MOVE HORIZ27 TO RIGHT-BLOCK-C	SP032681
02887	279800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02888	279900	MOVE HORIZ28 TO RIGHT-BLOCK-C	SP032681
02889	280000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02890	280100	MOVE HORIZ29 TO RIGHT-BLOCK-C	SP032681
02891	280200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02892	280300	MOVE HORIZ30 TO RIGHT-BLOCK-C	SP032681
02893	280400	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02894	280500	MOVE HORIZ31 TO RIGHT-BLOCK-C	SP032681
02895	280600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02896	280700	MOVE ARROW-B TO RIGHT-BLOCK-C	SP032681
02897	280800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02898	280900	ELSE MOVE HORIZ23 TO LEFT-BLOCK-A	SP032681
02899	281000	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02900	281100	MOVE HORIZ27 TO LEFT-BLOCK-A	SP032681
02901	281200	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02902	281300	MOVE HORIZ28 TO LEFT-BLOCK-A	SP032681
02903	281400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02904	281500	MOVE HORIZ29 TO LEFT-BLOCK-A	SP032681
02905	281600	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02906	281700	MOVE HORIZ30 TO LEFT-BLOCK-A	SP032681
02907	281800	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02908	281900	MOVE HORIZ31 TO LEFT-BLOCK-A	SP032681
02909	282000	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02910	282100	MOVE ARROW-B TO LEFT-BLOCK-A	SP032681
02911	282200	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
02912	282300*	-----	SP032681
02913	282400	P3-TAIL6-WRITE.	SP032681
02914	282500	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
02915	282600	PERFORM P3-TOPI-WRITE.	SP040381
02916	282700	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
02917	282800	THEN MOVE HORIZ68 TO RIGHT-BLOCK-C	SP040381
02918	282900	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02919	283000	MOVE HORIZ69 TO RIGHT-BLOCK-C	SP040381
02920	283100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02921	283200	MOVE HORIZ70 TO RIGHT-BLOCK-C	SP040381

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02922	283300	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02923	283400	MOVE HORIZ71 TO RIGHT-BLOCK-C	50040381
02924	283500	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02925	283600	ELSE MOVE HORIZ68 TO LEFT-BLOCK-A	50040381
02926	283700	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02927	283800	MOVE HORIZ69 TO LEFT-BLOCK-A	50040381
02928	283900	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02929	284000	MOVE HORIZ70 TO LEFT-BLOCK-A	50040381
02930	284100	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02931	284200	MOVE HORIZ71 TO LEFT-BLOCK-A	50040381
02932	284300	WRITE PRINT-REC FROM PRINT-IMAGE-A.	50040381
02933	284400*	-----	50032681
02934	284500	P3-FIX6-WRITE.	50032681
02935	284600	PERFORM P3-VERTICAL-LINE-MOVE.	50032681
02936	284700	IF BLOCK-RIGHT-PLOT = "Y"	50032681
02937	284800	THEN MOVE HORIZ37 TO RIGHT-BLOCK-C	50032681
02938	284900	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02939	285000	MOVE HORIZ38 TO RIGHT-BLOCK-C	50032681
02940	285100	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02941	285200	MOVE HORIZ39 TO RIGHT-BLOCK-C	50032681
02942	285300	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02943	285400	MOVE ARROW-A TO RIGHT-BLOCK-C	50032681
02944	285500	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02945	285600	MOVE ARROW-B TO RIGHT-BLOCK-C	04032781
02946	285700	WRITE PRINT-REC FROM PRINT-IMAGE-C	50032681
02947	285800	ELSE MOVE HORIZ37 TO LEFT-BLOCK-A	50032681
02948	285900	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02949	286000	MOVE HORIZ38 TO LEFT-BLOCK-A	50032681
02950	286100	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02951	286200	MOVE HORIZ39 TO LEFT-BLOCK-A	50032681
02952	286300	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02953	286400	MOVE ARROW-A TO LEFT-BLOCK-A	50032681
02954	286500	WRITE PRINT-REC FROM PRINT-IMAGE-A	50032681
02955	286600	MOVE ARROW-B TO LEFT-BLOCK-A	50032681
02956	286700	WRITE PRINT-REC FROM PRINT-IMAGE-A.	50032681
02957	286800*	-----	AA041881
02958	286900	P3-FIX19-WRITE.	AA041881
02959	287000	PERFORM P3-VERTICAL-LINE-MOVE.	AA041881
02960	287100	IF BLOCK-RIGHT-PLOT = "Y"	AA041881
02961	287200	THEN MOVE HORIZ73 TO RIGHT-BLOCK-C	AA041881
02962	287300	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
02963	287400	MOVE HORIZ74 TO RIGHT-BLOCK-C	AA041881
02964	287500	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
02965	287600	MOVE HORIZ73 TO RIGHT-BLOCK-C	AA041881
02966	287700	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
02967	287800	MOVE ARROW-A TO RIGHT-BLOCK-C	AA041881
02968	287900	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
02969	288000	MOVE ARROW-B TO RIGHT-BLOCK-C	AA041881
02970	288100	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
02971	288200	ELSE MOVE HORIZ73 TO LEFT-BLOCK-A	AA041881
02972	288300	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
02973	288400	MOVE HORIZ74 TO LEFT-BLOCK-A	AA041881
02974	288500	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881

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02975	288600	MOVE HORIZ73 TO LEFT-BLOCK-A	AA041881
02976	288700	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
02977	288800	MOVE ARROW-A TO LEFT-BLOCK-A	AA041881
02978	288900	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
02979	289000	MOVE ARROW-B TO LEFT-BLOCK-A	AA041881
02980	289100	WRITE PRINT-REC FROM PRINT-IMAGE-A.	AA041881
02981	289200	-----	SP032681
02982	289300	P3-FIX7-WRITE.	SP032681
02983	289400	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
02984	289500	IF BLOCK-RIGHT-PLT = "Y"	SP032681
02985	289600	THEN MOVE HORIZ40 TO RIGHT-BLOCK-C	SP032681
02986	289700	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02987	289800	MOVE HORIZ41 TO RIGHT-BLOCK-C	SP032681
02988	289900	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02989	290000	MOVE HORIZ40 TO RIGHT-BLOCK-C	SP032681
02990	290100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02991	290200	MOVE SPACES TO RIGHT-BLOCK-C	SP032681
02992	290300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
02993	290400	MOVE SPACES TO RIGHT-BLOCK-C	SP032681
02994	290500	WRITE PRINT-REC FROM PRINT-IMAGE-C.	SP032681
02995	290600	ELSE MOVE HORIZ40 TO LEFT-BLOCK-A	SP032681
02996	290700	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02997	290800	MOVE HORIZ41 TO LEFT-BLOCK-A	SP032681
02998	290900	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
02999	291000	MOVE HORIZ40 TO LEFT-BLOCK-A	SP032681
03000	291100	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03001	291200	MOVE SPACES TO LEFT-BLOCK-A	SP032681
03002	291300	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03003	291400	MOVE SPACES TO LEFT-BLOCK-A	SP032681
03004	291500	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
03005	291600	-----	AA041881
03006	291700	P3-FIX20-WRITE.	AA041881
03007	291800	PERFORM P3-VERTICAL-LINE-MOVE.	AA041881
03008	291900	IF BLOCK-RIGHT-PLT = "Y"	AA041881
03009	292000	THEN MOVE HORIZ73 TO RIGHT-BLOCK-C	AA041881
03010	292100	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
03011	292200	MOVE HORIZ75 TO RIGHT-BLOCK-C	AA041881
03012	292300	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
03013	292400	MOVE HORIZ73 TO RIGHT-BLOCK-C	AA041881
03014	292500	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
03015	292600	MOVE SPACES TO RIGHT-BLOCK-C	AA041881
03016	292700	WRITE PRINT-REC FROM PRINT-IMAGE-C	AA041881
03017	292800	MOVE SPACES TO RIGHT-BLOCK-C	AA041881
03018	292900	WRITE PRINT-REC FROM PRINT-IMAGE-C.	AA041881
03019	293000	ELSE MOVE HORIZ73 TO LEFT-BLOCK-A	AA041881
03020	293100	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
03021	293200	MOVE HORIZ75 TO LEFT-BLOCK-A	AA041881
03022	293300	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
03023	293400	MOVE HORIZ73 TO LEFT-BLOCK-A	AA041881
03024	293500	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
03025	293600	MOVE SPACES TO LEFT-BLOCK-A	AA041881
03026	293700	WRITE PRINT-REC FROM PRINT-IMAGE-A	AA041881
03027	293800	MOVE SPACES TO LEFT-BLOCK-A	AA041881


```

03081 299200 THEN MOVE HORIZ48 TO RIGHT-BLOCK-C SP032681
03082 299300 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03083 299400 MOVE HORIZ49 TO RIGHT-BLOCK-C SP032681
03084 299500 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03085 299600 MOVE HORIZ49 TO RIGHT-BLOCK-C SP032681
03086 299700 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03087 299800 MOVE SPACES TO RIGHT-BLOCK-C TK040581
03088 299900 WRITE PRINT-REC FROM PRINT-IMAGE-C TK040581
03089 300000 MOVE SPACES TO RIGHT-BLOCK-C TK040581
03090 300100 WRITE PRINT-REC FROM PRINT-IMAGE-C TK040581
03091 300200 ELSE MOVE HORIZ48 TO LEFT-BLOCK-A SP032681
03092 300300 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03093 300400 MOVE HORIZ49 TO LEFT-BLOCK-A SP032681
03094 300500 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03095 300600 MOVE HORIZ48 TO LEFT-BLOCK-A SP032681
03096 300700 WRITE PRINT-REC FROM PRINT-IMAGE-A TK040581
03097 300800 MOVE SPACES TO LEFT-BLOCK-A TK040581
03098 300900 WRITE PRINT-REC FROM PRINT-IMAGE-A TK040581
03099 301000 MOVE SPACES TO LEFT-BLOCK-A TK040581
03100 301100 WRITE PRINT-REC FROM PRINT-IMAGE-A TK040581
03101 301200 ----- SP032681
03102 301300 P3-FIX11-WRITE. SP032681
03103 301400 PERFORM P3-VERTICAL-LINE-MOVE. SP032681
03104 301500 IF BLOCK-RIGHT-PLOT = "Y" SP032681
03105 301600 THEN MOVE HORIZ47 TO RIGHT-BLOCK-C SP032681
03106 301700 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03107 301800 MOVE ARROW-A TO RIGHT-BLOCK-C SP032681
03108 301900 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03109 302000 MOVE ARROW-B TO RIGHT-BLOCK-C SP032681
03110 302100 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03111 302200 ELSE MOVE HORIZ47 TO LEFT-BLOCK-A SP032681
03112 302300 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03113 302400 MOVE ARROW-A TO LEFT-BLOCK-A SP032681
03114 302500 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03115 302600 MOVE ARROW-B TO LEFT-BLOCK-A SP032681
03116 302700 WRITE PRINT-REC FROM PRINT-IMAGE-A. SP032681
03117 302800 ----- SP032681
03118 302900 P3-TOP7-WRITE. SP032681
03119 303000 PERFORM P3-TOP1-WRITE. SP032681
03120 303100 IF BLOCK-RIGHT-PLOT = "Y" SP032681
03121 303200 THEN MOVE HORIZ50 TO RIGHT-BLOCK-C SP032681
03122 303300 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03123 303400 ELSE MOVE HORIZ50 TO LEFT-BLOCK-A SP032681
03124 303500 WRITE PRINT-REC FROM PRINT-IMAGE-A. SP032681
03125 303600 ----- SP032681
03126 303700 P3-TAIL7-WRITE. SP032681
03127 303800 IF BLOCK-RIGHT-PLOT = "Y" SP032681
03128 303900 THEN MOVE HORIZ51 TO RIGHT-BLOCK-C SP032681
03129 304000 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03130 304100 ELSE MOVE HORIZ51 TO LEFT-BLOCK-A SP032681
03131 304200 WRITE PRINT-REC FROM PRINT-IMAGE-A. SP032681
03132 304300 ----- SP032681
03133 304400 P3-FIX12-WRITE. SP032681

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03134	304500	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
03135	304600	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
03136	304700	THEN MOVE HORIZ53 TO RIGHT-BLOCK-C	SP032681
03137	304800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03138	304900	MOVE HORIZ54 TO RIGHT-BLOCK-C	SP032681
03139	305000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03140	305100	MOVE HORIZ52 TO RIGHT-BLOCK-C	SP032681
03141	305200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03142	305300	ELSE MOVE HORIZ53 TO LEFT-BLOCK-A	SP032681
03143	305400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03144	305500	MOVE HORIZ54 TO LEFT-BLOCK-A	SP032681
03145	305600	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03146	305700	MOVE HORIZ52 TO LEFT-BLOCK-A	SP032681
03147	305800	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
03148	305900*	-----	SP032681
03149	306000	P3-FIX13-WRITE.	SP032681
03150	306100	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
03151	306200	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
03152	306300	THEN MOVE HORIZ55 TO RIGHT-BLOCK-C	SP032681
03153	306400	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03154	306500	MOVE HORIZ56 TO RIGHT-BLOCK-C	SP032681
03155	306600	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03156	306700	MOVE HORIZ57 TO RIGHT-BLOCK-C	SP032681
03157	306800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03158	306900	MOVE HORIZ55 TO RIGHT-BLOCK-C	TR040581
03159	307000	WRITE PRINT-REC FROM PRINT-IMAGE-C	TR040581
03160	307100	MOVE SPACES TO RIGHT-BLOCK-C	SP032681
03161	307200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032781
03162	307300	MOVE SPACES TO RIGHT-BLOCK-C	SP032781
03163	307400	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032781
03164	307500	ELSE MOVE HORIZ55 TO LEFT-BLOCK-A	SP032681
03165	307600	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03166	307700	MOVE HORIZ56 TO LEFT-BLOCK-A	SP032681
03167	307800	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03168	307900	MOVE HORIZ57 TO LEFT-BLOCK-A	SP032681
03169	308000	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03170	308100	MOVE HORIZ55 TO LEFT-BLOCK-A	TR040581
03171	308200	WRITE PRINT-REC FROM PRINT-IMAGE-A	TR040581
03172	308300	MOVE SPACES TO LEFT-BLOCK-A	SP032681
03173	308400	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032781
03174	308500	MOVE SPACES TO LEFT-BLOCK-A	SP032781
03175	308600	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032781
03176	308700*	-----	SP032681
03177	308800	P3-FIX14-WRITE.	SP032681
03178	308900	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
03179	309000	THEN MOVE HORIZ58 TO RIGHT-BLOCK-C	SP032681
03180	309100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03181	309200	MOVE HORIZ59 TO RIGHT-BLOCK-C	SP032681
03182	309300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03183	309400	ELSE MOVE HORIZ58 TO LEFT-BLOCK-A	SP032681
03184	309500	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03185	309600	MOVE HORIZ59 TO LEFT-BLOCK-A	SP032681
03186	309700	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681

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03187	309800*	-----	SP032681
03188	309900	P3-FIX15-WRITE.	SP032681
03189	310000	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
03190	310100	THEN MOVE HORIZ60 TO RIGHT-BLOCK-C	SP032681
03191	310200	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03192	310300	ELSE MOVE HORIZ60 TO LEFT-BLOCK-A	SP032681
03193	310400	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
03194	310500*	-----	SP032681
03195	310600	P3-FIX16-WRITE.	SP032681
03196	310700	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
03197	310800	THEN MOVE HORIZ61 TO RIGHT-BLOCK-C	SP032681
03198	310900	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03199	311000	ELSE MOVE HORIZ61 TO LEFT-BLOCK-A	SP032681
03200	311100	WRITE PRINT-REC FROM PRINT-IMAGE-A.	SP032681
03201	311200*	-----	SP032681
03202	311300	P3-FIX17-WRITE.	SP032681
03203	311400	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
03204	311500	IF BLOCK-RIGHT-PLOT = "Y"	SP032681
03205	311600	THEN MOVE HORIZ62 TO RIGHT-BLOCK-C	SP032681
03206	311700	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03207	311800	MOVE HORIZ63 TO RIGHT-BLOCK-C	SP032681
03208	311900	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03209	312000	MOVE HORIZ64 TO RIGHT-BLOCK-C	SP032681
03210	312100	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03211	312200	MOVE HORIZ62 TO RIGHT-BLOCK-C	SP032681
03212	312300	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03213	312400	MOVE SPACES TO RIGHT-BLOCK-C	SP032681
03214	312500	WRITE PRINT-REC FROM PRINT-IMAGE-C	TX040581
03215	312600	MOVE SPACES TO RIGHT-BLOCK-C	TX040581
03216	312700	WRITE PRINT-REC FROM PRINT-IMAGE-C	TX040581
03217	312800	ELSE MOVE HORIZ62 TO LEFT-BLOCK-A	TX040581
03218	312900	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03219	313000	MOVE HORIZ63 TO LEFT-BLOCK-A	SP032681
03220	313100	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03221	313200	MOVE HORIZ64 TO LEFT-BLOCK-A	SP032681
03222	313300	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03223	313400	MOVE HORIZ62 TO LEFT-BLOCK-A	SP032681
03224	313500	WRITE PRINT-REC FROM PRINT-IMAGE-A	SP032681
03225	313600	MOVE SPACES TO LEFT-BLOCK-A	TX040581
03226	313700	WRITE PRINT-REC FROM PRINT-IMAGE-A	TX040581
03227	313800	MOVE SPACES TO LEFT-BLOCK-A	TX040581
03228	313900	WRITE PRINT-REC FROM PRINT-IMAGE-A.	TX040581
03229	314000*	-----	SP032681
03230	314100	P3-FIX18-WRITE.	SP032681
03231	314200	PERFORM P3-VERTICAL-LINE-MOVE.	SP032681
03232	314300	IF BLOCK-RIGHT-PLOT = "Y"	SP032781
03233	314400	THEN MOVE HORIZ65 TO RIGHT-BLOCK-C	SP032681
03234	314500	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03235	314600	IF BLOCK-TYPE = "U"	SP032681
03236	314700	THEN MOVE HORIZ66 TO RIGHT-BLOCK-C	SP032681
03237	314800	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681
03238	314900	MOVE HORIZ65 TO RIGHT-BLOCK-C	SP032681
03239	315000	WRITE PRINT-REC FROM PRINT-IMAGE-C	SP032681

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03240 315100 ELSE MOVE HORIZ67 TO RIGHT-BLOCK-C SP032681
03241 315200 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03242 315300 MOVE HORIZ65 TO RIGHT-BLOCK-C SP032681
03243 315400 WRITE PRINT-REC FROM PRINT-IMAGE-C SP032681
03244 315500 MOVE SPACES TO RIGHT-BLOCK-C PA040981
03245 315600 WRITE PRINT-REC FROM PRINT-IMAGE-C PA040981
03246 315700 MOVE SPACES TO RIGHT-BLOCK-C PA040981
03247 315800 WRITE PRINT-REC FROM PRINT-IMAGE-C PA040981
03248 315900 ELSE MOVE HORIZ65 TO LEFT-BLOCK-A SP032681
03249 316000 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03250 316100 IF BLOCK-TYPE = "H" SP032681
03251 316200 THEN MOVE HORIZ66 TO LEFT-BLOCK-A SP032681
03252 316300 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03253 316400 MOVE HORIZ65 TO LEFT-BLOCK-A SP032681
03254 316500 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03255 316600 ELSE MOVE HORIZ67 TO LEFT-BLOCK-A SP032681
03256 316700 WRITE PRINT-REC FROM PRINT-IMAGE-A SP032681
03257 316800 MOVE HORIZ65 TO LEFT-BLOCK-A SP032681
03258 316900 WRITE PRINT-REC FROM PRINT-IMAGE-A PA040981
03259 317000 MOVE SPACES TO LEFT-BLOCK-A PA040981
03260 317100 WRITE PRINT-REC FROM PRINT-IMAGE-A PA040981
03261 317200 MOVE SPACES TO LEFT-BLOCK-A PA040981
03262 317300 WRITE PRINT-REC FROM PRINT-IMAGE-A. PA040981
03263 317400 ----- SP032681
03264 317500 P3-MATCHING-REPR-PRINT. SP032781
03265 317700 WRITE PRINT-REC FROM H-MATCHING AFTER ADVANCING PAGES.
03266 MOVE SPACES TO PRINT-REC.
03267 WRITE PRINT-REC.
03268 317800 MOVE SPACES TO PROCURE1-TERM-FLAG. SP032781
03269 317900 PERFORM P3-NAME-PRINT VARYING PROCURE1-PTR3 FROM 1 BY 2 SP032781
03270 318000 UNTIL PROCURE1-TERM-FLAG = "YES". SP032781
03271 318100 ----- SP032781
03272 318200 P3-NAME-PRINT. SP032781
03273 318300 MOVE SPACES TO D-MATCHING. SP032781
03274 318400 ADD 1 PROCURE1-PTR3 GIVING TEMP1-PTR3. SP032781
03275 318500 IF OLD-DATANAME (PROCURE1-PTR3) NOT SP032781
03276 318600 = "NAME-END" " SP032781
03277 318700 THEN MOVE OLD-DATANAME (PROCURE1-PTR3) TO NAME1 SP032781
03278 318800 MOVE NEW-DATANAME (PROCURE1-PTR3) TO NAME2 SP032781
03279 318900 IF OLD-DATANAME (TEMP1-PTR3) NOT SP032781
03280 319000 = "NAME-END" " SP032781
03281 319100 THEN MOVE OLD-DATANAME (TEMP1-PTR3) TO NAME3 SP032781
03282 319200 MOVE NEW-DATANAME (TEMP1-PTR3) TO NAME4 SP032781
03283 319300 WRITE PRINT-REC FROM D-MATCHING SP032781
03284 319400 ELSE WRITE PRINT-REC FROM D-MATCHING SP032781
03285 319500 MOVE "YES" TO PROCURE1-TERM-FLAG SP032781
03286 319600 ELSE MOVE "YES" TO PROCURE1-TERM-FLAG. SP032781
03287 319700 ----- SP032781
03288 319800 P3-PARA-INDEX-PRINT. SP032781
03289 320000 WRITE PRINT-REC FROM H-PROC AFTER ADVANCING PAGES. CH042181
03290 MOVE SPACES TO PRINT-REC.
03291 WRITE PRINT-REC.
03292 320100 MOVE SPACES TO PROCURE1-TERM-FLAG. SP032781

```

```

03293 320200 DEFORM D3-PROC-PRINT VARYING PROCURE1-PTR3 FROM 1 BY 3 SP032781
03294 320300 UNTIL PROCURE1-TERM-FLAG = "YES". SP032781
03295 320400*----- SP032781
03296 320500 D3-PROC-PRINT. SP032781
03297 320600 MOVE SPACES TO D-PROC. TK041481
03298 320700 ADD 1 PROCURE1-PTR3 GIVING TEMP1-PTR3. SP032781
03299 320800 ADD 2 PROCURE1-PTR3 GIVING TEMP2-PTR3. SP032781
03300 320900 IF PARA-SECTION-NAME (PROCURE1-PTR3) SP032781
03301 321000 NOT = "END-OF-FLOWCHART" " SP032781
03302 321100 THEN MOVE PARA-SECTION-NUM (PROCURE1-PTR3) TO NUM1 SP032781
03303 321200 MOVE PARA-SECTION-NAME (PROCURE1-PTR3) TO PROC1 SP032781
03304 321300 MOVE PARA-SECTION-PAGE (PROCURE1-PTR3) TO PAGE1 SP032781
03305 321400 IF PARA-SECTION-NAME (TEMP1-PTR3) SP032781
03306 321500 NOT = "END-OF-FLOWCHART" " SP032781
03307 321600 THEN MOVE PARA-SECTION-NUM (TEMP1-PTR3) TO NUM2 SP032781
03308 321700 MOVE PARA-SECTION-NAME (TEMP1-PTR3) TO PROC2 SP032781
03309 321800 MOVE PARA-SECTION-PAGE (TEMP1-PTR3) TO PAGE2 SP032781
03310 321900 IF PARA-SECTION-NAME (TEMP2-PTR3) NOT = SP032781
03311 322000 "END-OF-FLOWCHART" " SP032781
03312 322100 THEN MOVE PARA-SECTION-NUM (TEMP2-PTR3) SP032781
03313 322200 TO NUM3 SP032781
03314 322300 MOVE PARA-SECTION-NAME (TEMP2-PTR3) SP032781
03315 322400 TO PROC3 SP032781
03316 322500 MOVE PARA-SECTION-PAGE (TEMP2-PTR3) SP032781
03317 322600 TO PAGE3 SP032781
03318 322700 WRITE PRINT-REC FROM D-PROC SP032781
03319 322800 ELSE MOVE "YES" TO PROCURE1-TERM-FLAG SP032781
03320 322900 WRITE PRINT-REC FROM D-PROC SP032781
03321 323000 ELSE MOVE "YES" TO PROCURE1-TERM-FLAG SP032781
03322 323100 WRITE PRINT-REC FROM D-PROC SP032781
03323 323200 ELSE MOVE "YES" TO PROCURE1-TERM-FLAG. SP032781
03324 323300*----- SP032781

```

```

*STATISTICS* SOURCE RECORDS = 3324 DATA ITEMS = 450 PROC DIV SZ = 2367
*STATISTICS* PARTITION SIZE = 524168 LINE COUNT = 56 QUEUE SIZE = 512
*OPTIONS IN EFFECT* EMAP RELNO ADD = NONE SPACING = 1 ELOW = 99
*OPTIONS IN EFFECT* COLTEXT QUOTE NOSYM NOCATALR LIST LINK NOSTXT NOLIN
*OPTIONS IN EFFECT* NOELIST FLAG ZWR NOSUPMAP NOXREF ERRS SKREF NOOCT
*OPTIONS IN EFFECT* NOSTATE TRUNC SEQ NOSYMDMP NOCHECK NOVFPF NOSYNTAX NOLVL
*OPTIONS IN EFFECT* NOCOUNT NOVFRSNUM NOVFRREF
*LISTED OPTIONS* NONE

```


4.2 Execution Procedure:

4.2.1 Job control procedure

In the time for generating, it was mentioned that

- The additional requirements like, the new verbs added, unaffected flow verbs deleted, new more meaning names replacement and the title for documentation can be included.

- The source and outline input wanted to be generated may be in the form of card, tape or disk media.

With these causes, it requires one more job control set in order to manage those requirements, as follow:

- The assignment card for additional requirements

```
// ASSGN SYS001,X'cuu'
```

the 'cuu' is the unit or dummy unit of card reader.

- For source input from card, the assignment card is

```
// ASSGN SYS002,X'cuu'
```

the 'cuu' is the unit or dummy unit of card reader.

- For source input from tape, the job control composed of

```
// ASSGN SYS002,X'cuu'
```

```
// TLBL,SYS002
```

the 'cuu' is the tape unit.

- For source input from disk, the job control set is

```
// ASSGN SYS002,X'cuu'
```

```
// DLBL SYS002,,0
```

```
// EXTENT SYS002,<vol-id>,1,0,<begin>,<size>
```

the 'cuu' is the disk unit.

- The two of temporary work areas in disk are required in the time of generating, then the job control set is

```
// ASSGN SYS003,X'cuu'
```

```
// ASSGN SYS004,X'cuu'
// DLBL SYS003,,0
// EXTENT SYS003,<vol-id>, 1,0,<begin>,<size>
// DLBL SYS004,,0
// EXTENT SYS004,<vol-id>,1,0,<begin>,<size>
```

the 'cuu' is the disk unit that the files are attached.

- The assignment card for flowchart printing is

```
// ASSGN SYS005,X'cuu'
```

the 'cuu' is the printer unit.

The example of job control sets are advocated as follow.

a) Source input is in form of card

```
// JOB FLOWGEN
// ASSGN SYS002,X'OOC'
// ASSGN SYS003,X'1C2'
// ASSGN SYS004,X'1C2'
// DLBL SYS003,,0
// EXTENT SYS003,CUWRK1,1,0,3600,600
// DLBL SYS004,,0
// EXTENT SYS004,CUWRK1,1,0,4800,1200
// EXEC FLOWGEN
/*
/ &
```

b) Source input is in form of tape and document title requirement is included.

```
// JOB FLOWGEN
// ASSGN SYS001,X'OOC'
// ASSGN SYS002,X'280'
// ASSGN SYS003,X'1C2'
```

```
// ASSGN SYS004,X'102'  
// TLBL SYS002  
// DLBL SYS003,,0  
// EXTENT SYS003,CUWRK1,1,0,3600,600  
// DLBL SYS004,,0  
// EXTENT SYS004,CUWRK1,1,0,4800,1200
```

COMMENT LIST

```
EJECT          TITLE LINE1 .....  
SKIP2         TITLE LINE2 .....  
              TITLE LINE2 CONTINUE .....  
              TITLE LINE N .....  
FOOT          FOOT LINE
```

COMMENT END

END-OF-PROCO

/*

/&

4.2.2 The input parameter of additional requirements

- Document title

COMMENT LIST

<title list>

COMMENT END

- Unaffected flow verbs deleted

DELETE-VERB LIST

<verb list>

DELETE-VERB END

- New verbs added

ADD-VERB LIST

<verb list>

ADD-VERB END

- New more meaning name

MATCH-NAME LIST

<the pair of name list>

MATCH-NAME END

For the format of <title list> , <verb list> and <the pair of name list> , see appendix B, page b.4 - b.7

- the last card of these input set, begin at column 8, may be END-OF-PROCO.

4.3.3 The message displayed upon console.

In each intermittent steps of program generating, there will be the messages displayed upon console. Unnecessary, every message requires reaction from computer operator, except the first message 'YOU - WANT TO EXECUTE PROCEDURE no.0, PLEASE ENTER YES OR NO'. If the additional requirements are needed, the operator must enter YES upon console; otherwise the NO must be entered.

In appendix E, the set of input card format and the descriptive example corresponding with each card format may guide the beginning user to familiar with the method how to arrange the source input stream. it can be the "program flowchart generator" user instruction for the programmer in the next time, too.