

ADDRESS LENGTH

0 6726
6726

BINARY CONTROL CARDS.

IDENT TSUBP1
END

BLOCKS	TYPE	ADDRESS	LENGTH
PROGRAM#	LOCAL	0	2037
PARAS	LOCAL	2037	1602
SUBPA	LOCAL	3641	243
SURPA	LOCAL	4104	15
SURPC	LOCAL	4121	243
SURPD	LOCAL	4364	243
CHARS	LOCAL	4627	357
CODE	LOCAL	5206	1520

ENTRY POINTS.

TSUBP1	=	0	BIGBUF	=	115	ASTORE	=	76	SNOOP	=	1124
TEST1	=	0	SUBSIZ	=	766	RSTORE	=	2			
REGSPA	=	3641	CSTORE	=	76	MAKEC	=	1103			

EXTERNAL SYMBOLS.

REGSAVE	ERRJP	START	TYPEOUT	XPACK	TEMP
TEST2	MASK	CVTOUT	PACK	ERR	

		IDENT	TSUBP1
	*		
	*		BOOKKEEPING
	*		
0		TMACROS	XTEXT
0		MACROS1	XTEXT
0		OPNAMES	XTEXT
0		CLIST	XTEXT
		ENTRY	TSUBP1,TEST1
		ENTRY	REGSPA,BIGBUF,SURSIZ,CSTORE
		ENTRY	ASTORE,BSTORE
0 *	TSUBP1	END	*
0 *	TEST1	END	*

CREATE 4 SUBPROCESSES TO MAKE A TREE

```

*
*
*
2037 000000000000000000015 DOPER C.CCC,K.SUBPA
2041 000000000000000000015 DOPER C.CCC,K.SUBPB
2043 000000000000000000015 DOPER C.CCC,K.SUBPC
2045 000000000000000000015 DOPER C.CCC,K.SUBPD
2047 000000000000000000007 DOPER C.CCLIST,K.MALLOC,K.CLSTA,10
2053 000000000000000000007 DOPER C.CCLIST,K.MALLOC,K.CLSTB,10
2057 000000000000000000007 DOPER C.CCLIST,K.MALLOC,K.CLSTC,10
2063 000000000000000000007 DOPER C.CCLIST,K.MALLOC,K.CLSTD,10
2067 000000000000000000027 DOPER C.MKOPR,K.MALLOC,K.CALLA,0,K.SUBPA,20
2075 000000000000000000027 DOPER C.MKOPR,K.MALLOC,K.CALLB,0,K.SUBPB,20
2103 000000000000000000027 DOPER C.MKOPR,K.MALLOC,K.CALLC,0,K.SUBPC,20
2111 000000000000000000027 DOPER C.MKOPR,K.MALLOC,K.CALLD,0,K.SUBPD,20
2117 000000000000000000014 DOPER C.CSPROC,K.SURPA,K.SELF,2,50,SPFLA,SPNTRYA,K.CLSTA
2127 000000000000000000014 DOPER C.CSPROC,K.SUBPB,K.SUBPA,2,50,SPFLB,SPNTRYB,K.CLSTB
2137 000000000000000000014 DOPER C.CSPROC,K.SURPC,K.SUBPB,2,50,SPFLC,SPNTRYC,K.CLSTC
2147 000000000000000000014 DOPER C.CSPROC,K.SURPD,K.SELF,2,50,SPFLD,SPNTRYD,K.CLSTD
2157 000000000000000000047 DOPER C.MPCHRW,K.SURPA,1,K.FILE,BEGSPA,0,SPFLA
2166 000000000000000000047 DOPER C.MPCHRW,K.SUBPB,1,K.FILE,BEGSPB,0,SPFLB
2175 000000000000000000047 DOPER C.MPCHRW,K.SURPC,1,K.FILE,BEGSPC,0,SPFLC
2204 000000000000000000047 DOPER C.MPCHRW,K.SURPD,1,K.FILE,BEGSPD,0,SPFLD
*
*
*
DOPER C.ESMGEN,=0,K.SURPA
DOPER C.ESMGEN,=0,K.SUBPB
DOPER C.ESMGEN,=0,K.SURPC
DOPER C.ESMGEN,=0,K.SUBPD

```

				SET UP THE UDAT,UDAT,U
		130	LIST1	EDU 130B
		140	LIST2	EDU 140B
74	71600000034			SV6 C.UDAT
	51600000130			SA6 LIST1
75	71600000036			SV6 C.ACAP
	51600000140			SA6 LIST2
76	61200000004			SR2 4
	71600000203			SV6 K.CALLA
77	51600000131	LOOP3		SA6 LIST1+1
	51600000141			SA6 LIST2+1
100	71700000000			SV7 0
	61400000005			SB4 5
101	61300000003	LOOP2		SA3 3
102	51700000132	LOOP1		SA7 LIST1+2
103	013000001300000000001			CALL LIST1:=XERR
105	72770000001	+		SV7 X7+1
	61337777776			SR3 R3-1
106	05300000102 +			NE R3,B0,LOOP1
	51700000142			SA7 LIST2+2
107	013000001400000000001			CALL LIST2:=XERR
111	72770000001	+		SV7 X7+1
	61447777776			SR4 R4-1
112	05400000101 +			NE R4,B0,LOOP2
	72660000001			SV6 X6+1
113	61227777776			SR2 R2-1
	05200000077 +			NE R2,B0,LOOP3
114	04000001171 +			ED SKIP1

TEST OF CODE IN SUBPROC
CODE FOR THE SUBPROCESSES

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SUBPA

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			USE	SUBPA
	3641 +	REGSDA	EQU	#
L	0		LAC	0
L	0		BSSZ	50
L	62	6160000011	SR6	9
		6120000144	DELAY	
L	66	01307777710001000001	CALL	=6:1000:6
L	70	5116777776	SAL	R6=1
		63616	SR6	R6+X1
L	71	6120000144	DELAY	
L	75	0400000066	EQ	LOOPA
		1000	SET	1000B
L	76	00000000000000000001000	VFD	60/A
L		000144	DUP	100:2
		A	SET	A+1
			VFD	60/A
L	243	SPFLA	EQU	#
			USE	#
			USE	SUBPR
	4104 +	REGSPB	EQU	#
L	0		LAC	0
L	0		BSSZ	2
		2000	SET	2000B
L	2	00000000000000000001144	VFD	60/A
L		000012	DUP	10:2
		B	SET	B+1
			VFD	60/B
L	14	SPNTRYA	EQU	#=1
	15	SPFLB	EQU	#
			USE	#
			USE	SUBPC
	4121 +	REGSPC	EQU	#
L	0		LAC	0
L	0		BSSZ	50
L	62	6160000011	SR6	9
		6120000144	DELAY	
L	66	01307777710001000001	CALL	=6:1000:6
L	70	5116777776	SAL	R6=1
		63616	SR6	R6+X1
L	71	6120000144	DELAY	
L	75	0400000066	EQ	LOOPC
		3000	SET	3000B
L	76	00000000000000000003000	VFD	60/C
L		000144	DUP	100:2
		C	SET	C+1
			VFD	60/C
L	243	SPFLC	EQU	#
			USE	#
			USE	SUBPD
	4354 +	REGSPD	EQU	#
L	0		LAC	0
L	0		BSSZ	50
L	62	6160000011	SR6	9
			SPNTRYD	

		6120000144		DELAY	
L	66	01307777710001000001	LOOPD	CALL	-6,1000,6
L	70	5116777776		SAL	R6-1
		63616		SR6	R6+X1
L	71	6120000144		DELAY	
L	75	0400000066		EQ	LOOPD
		4000	D	SFT	4000B
L	76	000000000000000004000	DSTOPE	VFD	60/D
L		000144		DUP	100*2
			D	SET	n+1
				VFD	60/D
L		243	SPFLD	EQU	*
				USE	*
			*		
			*		
			*		
					BUFFER FOR DUPLICATE OF SUBPROCESS CODE
		766	SUBSIZ	EQU	SPFLA+SPFLB+SPFLC+SPFLD
115			RIGBIF	BSS	SUBSIZ

ENTRY	MAKEC	PARAMETERS -
		R7 = RETURN LINK
		IT SETS THE CLISTS FOR THE 4 SUBPROCESSES TO SUCCESSIVE MODIFICATIONS OF THE SYBPROCESS CLASS CODE
1103	7160000103	MAKEC
	5160000130	SV6
1104	7160000024	SA6
	5160000140	SV6
1105	7160000210	SA6
	5160000132	SV6
1106	5160000143	SA6
	6120000004	SV2
1107	7160000177	SV6
	7150000173	SV5
1110	5160000141	CL00P2
	10755	SV7
1111	5170000131	SA7
	6130000012	SV3
1112	7170000000	SV7
1113	5170000133	CL00P1
	5170000142	SA7
1114	0130000013000000000001	CALL
1116	0130000014000000000001	CALL
1120	7277000001	SV7
	6133777776	SV3
1121	05300001113	NE
	7266000001	SV6
1122	7255000001	SV5
	6122777776	SV2
1123	05200001110	NE
	0270000000	JP
		R7
		EXIT

	ENTRY	SNOOP
		PARAMETERS - R7 = RETURN LINK THE CLISTS OF THE FOUR SUBPS ARE CHECKED AGAINST THEIR KNOWN CONTENTS (ORIGINAL), DISAGREEMENTS ARE NOTED, AND THE CLISTS ARE RESTORED
1124 7160000020	SNOOP	SX6 C.DSPCAP SET UP THE DISPLAY CAP IPLIST
5160000130		LIST1
1125 5160000140		LIST2 SET UP THE DISPLAY CAP FROM ARB CLIST IPLIST
76770		R7 SAVE RETLINK
1126 5170000144 X		=XTEMP+100
7150000173		K.SURPA TAKE INITIAL CLASS CODE
1127 7140000177		K.CLSTA TAKE INITIAL CLIST
6140000004		4 TAKE TALLY
1130 10755	SNOOP2	X5 SET UP CLASS CODE
5170000131		LIST1+1
1131 013000013000000000001		CALL LIST1=XERR DISPLAY THE CLASS CODE
1133 10066		X6 MOVE IT FOR COMPARISONS
10177		X7
43701		1 INDIRECTION FLAG
12747		X4+X7 SET UP CLIST
1134 5170000141		LIST2+1
6150000012		10 TAKE TALLY = SIZE OF CLIST
1135 7130000001		1 SET UP 1 TO MODIFY INDEX
20336		30
1136 013000014000000000001	SNOOP1	CALL LIST2=XERR DISPLAY THE SUSPECT CAPABILITY
1140 5160000002 X		=XTEMP+2 STORE THEM (IN CASE THEYRE BAD)
5170000003 X		=XTEMP+3
1141 13660		X6=X0
13771		X7=X1
12776		X7=X6
1142 0307001162 *		X7=COK THEY AGREE
4627 03012055031001160705		(CAP CHANGED, SUR INDX, CLIST INDS, NEW CAP)
1152 10733		X3 STORE INDEX TO DUMP
5170000001 X		=XTEMP+1
67704		=B4
1153 7177000005		R7+5 COMPUTE SUR INDEX (1=A, ETC)
5170000000 X		=XTEMP
1154 0130002217 +		DUMP =XTEMP+4
1162 6155777776	COK	R5-1 TALLY ON CLIST SIZE
5120000141		SA2 LIST2+1
1163 36723		IX7 X2+X3
54720		SA7 A2
43736		MX7 30 COMPUTE NEXT CLASS CODE
11171		BX1 X7=X1
1164 36113		IX1 X1+X3
0550001136 +		NE R5,B0,SNOOP1 TALLY
1165 7255000001		SX5 X5+1 ADVANCE SUBPROCESS CLASS CODE
7244000001		SX4 X4+1 ADVANCE CLIST
1166 6144777776		SA4 R4-1 TALLY SUBPROCESS

SA2 LIST2+1

LIST2 C.DSPCAP

index

SA7 LIST2+1
BX7 X2
AX2 30

SX7 X2+1 → 1X7 X2+X3

→ AX3 30

→ LX3 30

TEST OF CODE IN SUBPROC
PRINT DISCREPANCIES AND RESTORE CLISTS

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0540001130 +
1167 5110000144 X
63710
1170 0400001103 +

NE R4,B0,SN00P2
S41 =XTEMP+100 RESTORE RETLINK
SR7 X1
EQ MAKEC GO FIX THE CLISTS

```

2223 000000000000000000047 SKIP1 DOPER C.MPCHRW,K.SELF,3,K.FILE,BIGBUF,BIGBUF,SUBSIZ
1174 6110000766 COPY REGSPA,BIGBUF,SUBSIZ
        6110000766 COMPARE REGSPA,BIGBUF,SUBSIZ
        * VIEW
1225 6170001226 * SR7 SKIP2
        0200001103 * JP MAKEC
1226 6170001227 * SKIP2 SR7 SKIP3
        0200001124 * JP SNOOP
1227 46000 SKIP3 NO
        *
        * TEST SOME NORMAL RETURN WITH PARAMETER CASES
        *
2242 000000000000000000205 SP1000 TOPER 1,,,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP+1),8,K.
,CALLA,0,0,0,C.RETPAR,(30/1,30/ASTORE+1),(30/1,30/ACAP+1),0,C.RETURN,0,0,0,0
,0,0,0,0,0,0,0,0,0
FIXSUB MACRO
LOCAL RET
DPLAY
DOPER C.WFILE,K.FILE,=XREGSPA,=XBIGBUF,=XSURISZ
DPLAY
SR7 RET
JP =XMAKEC
RET NO
FIXSUB ENDM
CHKSUB MACRO
LOCAL RET
SR7 RET
JP =XSNOOP
RET COMPARE =XBIGBUF,=XREGSPA,=XSUBSIZ
FIXSUB
ENDM
CHKSUB
FIXSUB
ENDM
1246 6120000144
2325 000000000000000000205 SP1001 TOPER 1,,,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP),8,K.CA
,LLA,0,0,0,C.RETPAR,(30/5,30/ASTORE+1),(30/0,30/ACAP),0,C.RETURN,0,0,0,0
,0,0,0,0,0,0,0,0,0
* CHKSUB
DUMP REGSPC+CSTORE,7
1301 0130002403 *
2407 000000000000000000205 SP1002 TOPER 1,,,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP),8,K.CA
,LLA,0,0,0,C.RETPAR,(30/0,30/ASTORE+1),(30/5,30/ACAP),0,C.RETURN,0,0,0,0
,0,0,0,0,0,0,0,0,0
* CHKSUB
DUMP REGSPC+CSTORE,7
1325 0130002465 *
2471 000000000000000000205 SP1003 TOPER 1,,,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP),8,K.CA
,LLA,0,0,0,C.RETPAR,(30/5,30/ASTORE+1),(30/5,30/ACAP),0,C.RETURN,0,0,0,0
,0,0,0,0,0,0,0,0,0
* CHKSUB
DUMP REGSPC+CSTORE,7
        *
        * NEGATIVE DATA RETURN COUNT
        *
2547 000000000000000000205 SP1010 TOPER 3,60/2,60/0,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP
),8,K.CALLA,0,0,0,C.RETPAR,(30/-1,30/ASTORE+1),(30/1,30/ACAP),0,C.RETUR
,N,0,0,0,0,0,0,0,0,0
        *

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*
*      NEGATIVE CAP RETURN COUNT
*
2625  000000000000000000205  SP1020  TOPER      3,60/2,60/0,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP
*,8,K.CALLA,0,0,0,C.RETPAR,(30/1,30/ASTORE+1),(30/-2,30/ACAP),0,C.RETUR
*,0,0,0,0,0,0,0,0,0,0
*
*      NEGATIVE DATA ADDRESS
*
2703  000000000000000000205  SP1030  TOPER      3,60/2,60/2,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP
*,8,K.CALLA,0,0,0,C.RETPAR,(30/1,30/-0000001),(30/02,30/ACAP),0,C.RETUR
*,0,0,0,0,0,0,0,0,0,0
*
*      NEGATIVE CAP INDEX
*
2761  000000000000000000205  SP1040  TOPER      3,60/2,60/4,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP
*,8,K.CALLA,0,0,0,C.RETPAR,(30/1,30/ASTORE+1),(30/1,30/-1111),0,C.RETUR
*,0,0,0,0,0,0,0,0,0,0
*
*      PARAMS FROM B
*
1471  6120000144
3044  000000000000000000205  SP1050  TOPER      1,0,K.CALLC,(30/10,30/CSTORE+1),(30/10,30/CCAP),8,K.
*,CALLA,0,0,0,C.RETPAR,(30/5,30/STORE),0,0,C.RETURN,0,0,0,0
*,0,0,0,0,0,0
*      CHKSUB
*
*      PARAMS FROM C
*
3122  000000000000000000205  SP1051  TOPER      1,0,K.CALLC,(30/10,30/CSTORE+1),(30/10,30/CCAP),8,K.
*,CALLA,0,0,0,C.RETPAR,(30/5,30/STORE),0,0,C.RETURN,0,0,0,0
*,0,0,0,0,0,0
*      CHKSUB
*
*      PARAMS FROM A AND B
*
3200  000000000000000000205  SP1052  TOPER      1,0,K.CALLC,(30/10,30/CSTORE+1),(30/10,30/CCAP),8,K.
*,CALLA,0,0,0,C.RETPAR,(30/10,30/SPFLA-2),0,0,C.RETURN,0,0,0,0,0,0,0,0
*      CHKSUB
*
*      PARAMS FROM B AND C
*
3256  000000000000000000205  SP1053  TOPER      1,0,K.CALLC,(30/10,30/CSTORE+1),(30/10,30/CCAP),8,K.
*,CALLA,0,0,0,C.RETPAR,(30/10,30/SPFLB-2),0,0,C.RETURN,0,0,0,0,0,0,0,0
*      CHKSUB
*
*      PARAMS FORM A AND B AND C
*
3334  000000000000000000205  SP1054  TOPER      1,0,K.CALLC,(30/20,30/CSTORE+1),(30/20,30/CCAP),8,K.
*,CALLA,0,0,0,C.RETPAR,(30/20,30/SPFLA-2),0,0,C.RETURN,0,0,0,0,0,0,0,0
*
1614  6170001615 +
*      CHKSUB
*
*      PARAMS FORM THE VERY TOP OF C

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3427 00000000000000000205 SP1055 TOPER 1,,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP),8,K.CA
,LLA,0,0,0,C.RETPAR,(30/2,30/SPFLA+SPFLB+SPFLC-2),0,0,C.RETURN,0,0,0,0
,0,0,0,0
*
* CHKSIB
*
3505 00000000000000000205 SP1056 TOPER 3,60/2,60/3,K.CALLC,(30/5,30/CSTORE+1),(30/5,30/CCAP
),8,K.CALLA,0,0,0,C.RETPAR,(30/2,30/SPFLA+SPFLB+SPFLC-1),0,0,C.RETURN,0
,0,0,0,0,0,0,0,0,0,0
*
* TRY USER GENERATED ERROR
*
3563 00000000000000000205 SP1500 TOPER 3,(60/20),(60/4),K.CALLC,0,0,8,C.USERR,20,4,0,0,0,0,
,0,0,0,0,0,0,0,0,0,0
5 ACAP EQU 5
5 BCAP EQU 5
5 CCAP EQU 5
5 ACAPF EQU 5
17 BCAPF EQU 15
31 CCAPF EQU 25
356 STOREC EQU CSTORE+SPFLA+SPFLB
245 STOREB EQU RSTORE+SPFLA
250 BSPFL EQU SPFLA+SPFLB
523 CSPFL EQU RSPFL+SPFLC
1745 0200000000 x JP =XTEST2
1746 000000000000000000016 HERE
6726 TRAILER SELF
END

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40163	STORAGE USED	10629 STATEMENTS	806 SYMBOLS	000599 INVENTED SYMBOLS
	6600 ASSEMBLY	0.000 SECONDS	2502 REFERENCES	

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[illegible]

TEST OF CODE IN SUBPROC
SYMBOLIC REFERENCE TABLE.

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TEST OF CODE IN SUBPROC
SYMBOLIC REFERENCE TABLE.

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C.ESMLUC	26	25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
		25/36	25/46	26/06	26/18	26/32	26/44	27/04	27/15
C.JUMP	52	25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
		25/36	25/46	26/06	26/18	26/32	26/44	27/04	27/15
C.MKOPR	27	18/12	18/13	18/14	18/15				
C.MODPC	65	25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
		25/36	25/46	26/06	26/18	26/32	26/44	27/04	27/15
C.MPCHRW	47	18/20	18/21	18/22	18/23	26/01			
C.NWTMP	103	22/08							
C.RESTOR	17	23/37	25/36	25/46	26/12	26/25	26/44	27/04	27/15
		23/43	25/36	25/46	26/12	26/25	26/44	27/04	27/15
		25/04	25/38	25/53	26/12	26/32	26/44	27/04	27/28
		25/04	25/41	25/53	26/12	26/32	26/44	27/04	
		25/16	25/41	25/53	26/18	26/32	26/50	27/10	
		25/16	25/41	25/53	26/18	26/32	26/50	27/10	
		25/16	25/41	26/06	26/18	26/38	26/50	27/10	
		25/16	25/41	26/06	26/18	26/38	26/50	27/10	
		25/36	25/46	26/06	26/25	26/38	26/51	27/15	
		25/36	25/46	26/06	26/25	26/38	26/51	27/15	
C.RETPAR	111	25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
		25/36	25/46	26/06	26/18	26/32	26/44	27/04	
C.RETURN	30	25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
		25/36	25/46	26/06	26/18	26/32	26/44	27/04	27/28
C.RFILE	3	27/28							
C.SAVE	16	23/37	25/36	25/46	26/12	26/25	26/44	27/04	27/15
		23/43	25/36	25/46	26/12	26/25	26/44	27/04	27/15
		25/04	25/38	25/53	26/12	26/32	26/44	27/04	27/27
		25/04	25/41	25/53	26/12	26/32	26/44	27/04	
		25/16	25/41	25/53	26/18	26/32	26/50	27/10	
		25/16	25/41	25/53	26/18	26/32	26/50	27/10	
		25/16	25/41	26/06	26/18	26/38	26/50	27/10	
		25/16	25/41	26/06	26/18	26/38	26/50	27/10	
		25/36	25/46	26/06	26/25	26/38	26/51	27/15	
		25/36	25/46	26/06	26/25	26/38	26/51	27/15	
C.UDAT	34	10/07							
C.USERR	110	27/15							
C.WFILE	4	25/33	26/22	26/51					

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TEST OF CODE IN SUBPROC
SYMBOLIC REFERENCE TABLE.

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FRR	0	EXTERNAL*	18/05	25/16	25/41	25/53	26/18	26/32	26/44	27/04
			18/06	25/16	25/41	25/53	26/18	26/32	26/44	27/04
			18/07	25/16	25/41	25/53	26/18	26/32	26/44	27/04
			18/08	25/16	25/41	25/53	26/18	26/32	26/44	27/04
			18/09	25/16	25/41	25/53	26/18	26/32	26/44	27/10
			18/10	25/16	25/41	26/06	26/18	26/32	26/50	27/10
			18/11	25/16	25/41	26/06	26/18	26/32	26/50	27/10
			18/12	25/16	25/41	26/06	26/18	26/32	26/50	27/10
			18/13	25/16	25/41	26/06	26/18	26/32	26/50	27/10
			18/14	25/16	25/43	26/06	26/18	26/32	26/50	27/10
			18/15	25/16	25/43	26/06	26/18	26/32	26/50	27/10
			18/16	25/16	25/46	26/06	26/18	26/38	26/50	27/10
			18/17	25/33	25/46	26/06	26/18	26/38	26/50	27/10
			18/18	25/36	25/46	26/06	26/18	26/38	26/50	27/10
			18/19	25/36	25/46	26/06	26/18	26/38	26/50	27/10
			18/20	25/36	25/46	26/06	26/18	26/38	26/50	27/10
			18/21	25/36	25/46	26/06	26/22	26/38	26/50	27/10
			18/22	25/36	25/46	26/06	26/25	26/38	26/50	27/10
			18/23	25/36	25/46	26/06	26/25	26/38	26/50	27/10
			18/24	25/36	25/46	26/06	26/25	26/38	26/50	27/10
			19/20	25/36	25/46	26/06	26/25	26/38	26/50	27/10
			19/25	25/36	25/46	26/06	26/25	26/38	26/50	27/15
			22/26	25/36	25/46	26/12	26/25	26/38	26/51	27/15
			22/27	25/36	25/46	26/12	26/25	26/38	26/51	27/15
			23/21	25/36	25/46	26/12	26/25	26/38	26/51	27/15
			23/30	25/36	25/46	26/12	26/25	26/38	26/51	27/15
			23/37	25/36	25/46	26/12	26/25	26/38	26/51	27/15
			23/37	25/36	25/46	26/12	26/25	26/38	27/04	27/15
			23/43	25/36	25/53	26/12	26/25	26/44	27/04	27/15
			23/43	25/36	25/53	26/12	26/25	26/44	27/04	27/15
			25/02	25/38	25/53	26/12	26/25	26/44	27/04	27/15
			25/04	25/38	25/53	26/12	26/25	26/44	27/04	27/15
			25/04	25/41	25/53	26/12	26/25	26/44	27/04	27/15
			25/04	25/41	25/53	26/12	26/25	26/44	27/04	27/15
			25/04	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/18	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
			25/36	25/46	26/06	26/18	26/32	26/44	27/04	27/15
			27/28							
K.BEAD	146		18/13	25/36	25/53	26/18	26/38	27/04		
K.CALLA	203		19/12	25/41	26/06	26/25	26/44	27/10		
			25/16	25/46	26/12	26/32	26/50			
K.CALLB	204		18/14							
K.CALLC	205		18/15	25/38	26/03	26/22	26/42	27/07		
			25/13	25/43	26/09	26/29	26/48	27/13		
			25/33	25/50	26/15	26/36	27/01			
K.CALLD	206		18/16							
K.CLSTA	177		18/09	18/17	22/16	23/16				
K.CLSTB	200		18/10	18/18						

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K.CLSTC	201		18/11	18/19						
K.CLSTD	202		18/12	18/20						
K.FILE	151		18/21	18/23	25/02	26/22	27/28			
			18/22	18/24	25/33	26/51				
K.MALLOC	145		18/09	18/10	18/11	18/12	18/13	18/14	18/15	18/16
K.SCRCAP	210		22/12							
K.SELF	150		18/17	25/36	25/46	26/12	26/25	26/44	27/04	
			18/20	25/36	25/53	26/12	26/32	26/44	27/10	
			25/02	25/41	25/53	26/18	26/32	26/50	27/10	
			25/16	25/41	26/06	26/18	26/38	26/50	27/15	
			25/16	25/46	26/06	26/25	26/38	27/04	27/15	
K.SUBPA	173		18/05	18/13	18/17	18/18	18/21	22/17	23/15	
K.SUBPB	174		18/06	18/14	18/18	18/19	18/22			
K.SUBPC	175		18/07	18/15	18/19	18/23				
K.SUBPD	176		18/08	18/16	18/20	18/24				
LIST1	130		19/05 D	19/13 S	19/19	22/13 S	22/23 S	23/11 S	23/20	
			19/08 S	19/18 S	22/09 S	22/20 S	22/25	23/19 S		
LIST2	140		19/06 D	19/14 S	19/24	22/14 S	22/24 S	23/12 S	23/29	
			19/10 S	19/23 S	22/11 S	22/18 S	22/26	23/25 S	23/44	
LOOPA	66		20/07 L	20/11						
LOOPC	66		20/37 L	20/41						
LOOPD	66		21/02 L	21/06						
LOOP1	102	PROGRAM*	19/18 L	19/22						
LOOP2	101	PROGRAM*	19/17 L	19/27						
LOOP3	77	PROGRAM*	19/13 L	19/30						
MAKEC	1103	PROGRAM*	21/13 E	22/08 L	24/04	25/06	25/33	26/22	26/51	
MASK	0	EXTERNAL*	25/16	25/41	25/53	26/12	26/25	26/38	26/50	27/10
			25/36	25/46	26/06	26/18	26/32	26/44	27/04	27/15
NEWBLK	1761	PROGRAM*	27/28 L							
PACK	0	EXTERNAL*	23/37	25/36	25/53	26/12	26/25	26/38	26/51	27/15
			25/04	25/41	25/53	26/12	26/25	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/18	26/32	26/44	27/04	27/15
			25/16	25/41	26/06	26/18	26/32	26/44	27/04	
			25/16	25/46	26/06	26/18	26/32	26/50	27/10	
			25/36	25/46	26/06	26/18	26/38	26/50	27/10	
			25/36	25/46	26/06	26/25	26/38	26/50	27/10	
			25/36	25/46	26/12	26/25	26/38	26/50	27/10	
READSELF	1754	PROGRAM*	27/28 L							
REGSAVE	0	EXTERNAL*	27/28	27/28						
RESTREG	1750	PROGRAM*	25/16	25/41	25/53	26/18	26/32	26/44	27/10	
			25/16	25/41	26/06	26/18	26/32	26/50	27/10	
			25/16	25/46	26/06	26/18	26/38	26/50	27/10	
			25/36	25/46	26/06	26/25	26/38	26/50	27/15	
			25/36	25/46	26/12	26/25	26/38	27/04	27/15	
			25/36	25/53	26/12	26/25	26/44	27/04	27/15	
			25/41	25/53	26/12	26/32	26/44	27/04	27/28 L	
RETURN	1752	PROGRAM*	27/28 L							

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SAVEREG	1746	PROGRAM*	25/16	25/41	25/53	26/18	26/32	26/44	27/10
			25/16	25/41	26/06	26/18	26/32	26/50	27/10
			25/16	25/46	26/06	26/18	26/38	26/50	27/10
			25/36	25/46	26/06	26/25	26/38	26/50	27/15
			25/36	25/46	26/12	26/25	26/38	27/04	27/15
			25/36	25/53	26/12	26/25	26/44	27/04	27/15
			25/41	25/53	26/12	26/32	26/44	27/04	27/27 L
SKIP1	1171	PROGRAM*	19/32	26/01 L					
SKIP2	1226	PROGRAM*	25/05	25/07 L					
SKIP3	1227	PROGRAM*	25/07	25/09 L					
SNOOP	1124	PROGRAM*	23/29 E	23/10 L	25/08	26/51			
SNOOP1	1136	PROGRAM*	23/29 L	23/50					
SNOOP2	1130	PROGRAM*	23/18 L	24/01					
SPFLA	243		18/17	20/17 D	26/38	27/04	27/21	27/23	
			18/21	21/17	26/50	27/10	27/22		
SPFLB	15		18/18	20/29 D	26/44	27/10	27/23		
			18/22	21/17	27/04	27/21			
SPFLC	243		18/19	18/23	20/47 D	21/17	27/04	27/10	27/24
SPFLD	243		18/20	18/24	21/12 D	21/17			
SPNTRYA	62		18/17	20/05 L					
SPNTRYB	14		18/18	20/28 D					
SPNTRYC	62		18/19	20/35 L					
SPNTRYD	62		18/20	20/53 L					
SP1000	1230	PROGRAM*	25/16 L	25/16					
SP1001	1263	PROGRAM*	25/36 L	25/36					
SP1002	1307	PROGRAM*	25/41 L	25/41					
SP1003	1333	PROGRAM*	25/46 L	25/46					
SP1010	1351	PROGRAM*	25/53 L	25/53					
SP1020	1375	PROGRAM*	26/06 L	26/06					
SP1030	1421	PROGRAM*	26/12 L	26/12					
SP1040	1445	PROGRAM*	26/18 L	26/18					
SP1050	1506	PROGRAM*	26/25 L	26/25					
SP1051	1524	PROGRAM*	26/32 L	26/32					
SP1052	1542	PROGRAM*	26/38 L	26/38					
SP1053	1560	PROGRAM*	26/44 L	26/44					
SP1054	1576	PROGRAM*	26/50 L	26/50					
SP1055	1657	PROGRAM*	27/04 L	27/04					
SP1056	1675	PROGRAM*	27/10 L	27/10					
SP1500	1721	PROGRAM*	27/15 L	27/15					
START	0	EXTERNAL*	25/16 S	25/41 S	26/06 S	26/18 S	26/38 S	26/50 S	27/15 S
			25/16 S	25/46 S	26/06 S	26/25 S	26/38 S	27/04 S	27/15 S
			25/36 S	25/46 S	26/12 S	26/25 S	26/44 S	27/04 S	27/28
			25/36 S	25/53 S	26/12 S	26/32 S	26/44 S	27/10 S	
			25/41 S	25/53 S	26/18 S	26/32 S	26/50 S	27/10 S	
STOREB	245		26/25	27/22 D					
STOREC	356		26/32	27/21 D					
SUBSIZ	766		17/10 E	21/18	25/02	25/33	26/51		
			21/17 D	25/02	25/03	26/22	26/51		

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TEMP	0	EXTERNAL*	18/05 S	18/18 S	24/02	25/36 S	25/53 S	26/22 S	26/44 S	27/04 S
			18/06 S	18/19 S	25/02 S	25/36 S	26/06 S	26/25 S	26/44 S	27/04 S
			18/07 S	18/20 S	25/04 S	25/41 S	26/06 S	26/25 S	26/44 S	27/04 S
			18/08 S	18/21 S	25/04 S	25/41 S	26/06 S	26/25 S	26/44 S	27/04 S
			18/09 S	18/22 S	25/04 S	25/41 S	26/06 S	26/25 S	26/50 S	27/10 S
			18/10 S	18/23 S	25/04 S	25/41 S	26/12 S	26/32 S	26/50 S	27/10 S
			18/11 S	18/24 S	25/16 S	25/46 S	26/12 S	26/32 S	26/50 S	27/10 S
			18/12 S	23/14 S	25/16 S	25/46 S	26/12 S	26/32 S	26/50 S	27/10 S
			18/13 S	23/30 S	25/16 S	25/46 S	26/12 S	26/32 S	26/51 S	27/15 S
			18/14 S	23/31 S	25/16 S	25/46 S	26/18 S	26/38 S	26/51 S	27/15 S
			18/15 S	23/38 S	25/33 S	25/53 S	26/18 S	26/38 S	26/51 S	27/15 S
			18/16 S	23/41 S	25/36 S	25/53 S	26/18 S	26/38 S	26/51 S	27/15 S
			18/17 S	23/43	25/36 S	25/53 S	26/18 S	26/38 S	26/51 S	
TEST1	0	PROGRAM*	17/09 E	17/13 D						
TEST2	0	EXTERNAL*	27/25							
TSUBP1	0	PROGRAM*	17/09 E	17/12 D						
TYPEOUT	0	EXTERNAL*	23/37	25/36	25/53	26/12	26/25	26/38	26/51	27/15
			25/04	25/41	25/53	26/12	26/25	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/18	26/32	26/44	27/04	27/15
			25/16	25/41	26/06	26/18	26/32	26/44	27/04	
			25/16	25/46	26/06	26/18	26/32	26/50	27/10	
			25/36	25/46	26/06	26/18	26/38	26/50	27/10	
			25/36	25/46	26/06	26/25	26/38	26/50	27/10	
			25/36	25/46	26/12	26/25	26/38	26/50	27/10	
xPACK	0	EXTERNAL*	23/37	25/36	25/46	26/06	26/18	26/32	26/50	27/04
			23/37	25/36	25/46	26/06	26/18	26/32	26/50	27/04
			23/43	25/36	25/46	26/06	26/18	26/38	26/50	27/10
			23/43	25/36	25/46	26/06	26/18	26/38	26/50	27/10
			25/04	25/36	25/46	26/06	26/25	26/38	26/50	27/10
			25/04	25/36	25/46	26/06	26/25	26/38	26/50	27/10
			25/04	25/38	25/46	26/12	26/25	26/38	26/50	27/10
			25/04	25/38	25/46	26/12	26/25	26/38	26/50	27/10
			25/16	25/41	25/53	26/12	26/25	26/38	26/51	27/10
			25/16	25/41	25/53	26/12	26/25	26/38	26/51	27/10
			25/16	25/41	25/53	26/12	26/25	26/44	26/51	27/15
			25/16	25/41	25/53	26/12	26/25	26/44	26/51	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/12	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/18	26/32	26/44	27/04	27/15
			25/16	25/41	25/53	26/18	26/32	26/44	27/04	27/15
			25/36	25/43	26/06	26/18	26/32	26/44	27/04	27/15
			25/36	25/43	26/06	26/18	26/32	26/44	27/04	27/15