IDENTIFICATION

PRODUCT CODE

MAINDEC-12-DØCB

PRODUCT NAME!

PDP=12 CP TEST III

DATE

NOVEMBER 1, 1971

MAINTAINERI

DIAGNOSTIC GROUP

AUTHORI

RAYMOND SHOOP

PTST3

SMODE
START 488
START 488
PRIMIS NOLL APTER 7 SEC
BEL EVERY 10 SECONDS

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location

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6				The second secon

1. ABSTRACT

PDP=12 CP TEST III, TESTS LINC MODE INSTRUCTIONS INCLUDING SPECIAL FUNCTION REGISTER, DUR, MUC, LDF, LIF INTERRUPT INHIBIT. THE PROGRAM, ONCE STARTED, WILL RUN CONTINUOUSLY AND RING THE TTY BELL ONCE EVERY PASS.

- 2, REQUIREMENTS
- 2.1 EQUIPMENT
 - A', STANDARD POP-12 COMPUTER',
 - B. ASR-33 OR EQUIVALENT.
- 2,2 STORAGE

THIS PROGRAM OCCUPIES MEMORY LOCATION 0001 THRU 5777.

2'3 PRELIMINARY PROGRAMS

ALL PDP=12 DIAGNOSTIC PROGRAMS SHOULD HAVE BEEN SUCCESSFULLY RUN.

- 3. LOADING PROCEDURE
- 3.1 METHOD

LOAD THIS PROGRAM USING THE STANDARD METHOD OF LOADING A BINARY PROGRAM.

- 4'. STARTING PROCEDURE
 - A' PLACE MODE SWITCH IN POP-8 MODE'.
 - B', DEPRESS 1/0 PRESET',
 - C'. DEPRESS START 400, MACHINE WILL RUN CONTINUOUSLY AND RING THE TTY BELL EVERY 10 SECONDS.

II

5. OPERATING PROCEDURE

A, RSW 5 (0) E"A" SYSTEM RSW 5 (1) E"B OR C" SYSTEM

6. ERRORS

ANY HALT IS AN ERROR'. ALL ERRORS ARE EXPLAINED IN THE LISTING AS THE EXPECTED VALUES OF THE NEED REGISTERS.

7. RESTRICTIONS

- A. PROGRAM MUST BE EXECUTED IN FIELD 0. B. STANDARD POP-12.
- 8' EXECUTION TIME

UPON COMPLETION OF A PASS THE TTY BELL WILL RING EVERY 18 SECONDS.

7074

7006

7011

7014

7015

0017

0024

0040

0200

0240

0500

7517

2622

1000

1040

1100 1140 /ARITHMETIC

LDA=1000

STARIDAD ADA=1100

ADM = 1140

/PDP=12 CP TEST III MAINDEC=12=DØCB /COPYRIGHT 1978,1971 DIGITAL EQUIPMENT CORP', MAYNARD, MASS', /LINC=8 INSTRUCTION DEFINITIONS /MISCELLANEOUS FXPUNGE HLT = 2000 /HALT /CHANGE TO PDP=8 MODE 0002 PDP=0002 JAC TO SPECIAL FUNCTION REGISTER FSF=0004 /ZI TO AI-3(11 BITS) I EQUALS I TO 11 ØØØ5 0AC=0005 DJR=0006 /DISABLE JMP RETURN SAVE CLR=0011 /CLEAR ACCUMULATOR LINK, AND Z REGISTER ATREMO14 /(A6=A11)>R REGISTER RTAERRIS /R REGISTER>(A6-A11) INO OPERATION 0016 NOP=0016 COMEDOIT /C(AC)>C(A) /SPECIAL FUNCTION REGISTER TO AC SFA90024 /C(P+1)>BETA REGISTER (OR INDIRECT) SETEPDAD XSK##200 JSKIP ON 1777 /SHIFT PROTATE LEFT ROL # 3240 PROTATE RIGHT ALSO SHIPT RIGHT INTO MQ REGISTER 7300 ROR#Ø3ØØ 7340 SCR##340 SCALE RIGHT ALSO SHIFT RIGHT INTO MO REGISTER /SKIP /SKIP IF EXTERNAL LEVEL IS =3 0400 SXLEDADD /SKIP IF KEY HAS BEEN STRUCK 7415 KST=94T5 /SKIP IF SENSE SWITCH IS UP 0440 5NS=0440 7456 JSKIP UNCONDITIONALLŸ SKP#8456 0450 AZE = 0450 /SKIP IF ACCUMULATOR ZERO /SKIP IF ACCUMULATOR POSITIVE 7451 AP048451 /SKIP IF LINK ZERO 7452 LZE 9 0 4 5 2 /SKIP IF BETWEEN TAPE BLOCKS 7453 182=8453 7454 FL090454 /SKIP IF ADD OVERFLOW PLAG IS SET 0455 OLCER455 /SKIP IF BIT 11 OF MO REGISTER IS Ø JOPERATE /EXECUTE THE POLLOWING TOT INSTRUCTION IN POPRE MODE 10B=0500 LSW=#517 /LEFT SWITCHES TO AC 7516 RSW##516 VRIGHT SWITCHES TO AC /MEMORY BANK /CHANGE CONTENTS OF LOWER MEMORY BANK SELECTOR LIF=0600 LDF = 0640 ICHANGE CONTENTS OF UPPER MEMORY BANK SELECTOR 7640

/LOAD ACCUMULATOR

ISTORE CONTENTS OF ACCUMULATOR

VADD TO CONTENTS OF ACCUMULATOR

/ADD TO CONTENTS OF MEMORY REGISTER

PDP-12 CP TEST	III MATI	NDEC-12-DØCB	PAL15	V141	15-007-71	1153	PAGE 101
	1200	LAM#1200			INTENTS OF LINK VIENTS OF MEMOR		
	1240	MUL=1240		MULTIF		1 MEGIO.E	
		HALF WORD OP	ERATIONS				
	1300	LDH=1300			ER HALF WORD P		
	1340	STH=1340		/TRANSF	IGHT HALF OF ACTION OF ACCUMULATOR	RD FROM T REGISTER	ĤE RIGHT Înto the
	1400	SHD=1458		/SKIP	VED HALF OF A M IF THE HALF WOR IER AND THE MEM	D IN ACCU	HULATOR
		THEMORY REPER	ENCE OPERÃ		_		
	1440	SAERI442		/EGUAL	IF THE CONTENTS THE CONTENTS O PREGISTER		
	1500	SRO mī 5 d Ø		/SKIP ! /DESIGN	IF THE RIGHTMOS Nated Memory Re Testing, Rotat Lace to the Rig	GISTER IS E THE CON	Ø;
	1540	8CL=1540		/FOR EA /Y THAT /CORRES	ACH BIT POSITION TO CONTAINS A 1. BPONDING BIT POULATOR (LOGICAL)	N OF MEMO BLEAR TH STION OF	₹
	1600	BSE = 1600		/FOR EA /REGIST /CORRES	ACH BIT POSÍTÍO PER Y THAT CONT	N OF MEMO	
	1640	8C0=1640		/FOR E/ /REGIST /THE CO	ACH BIT POSITION TER Y THAT CONTO DERESPONDING BE	ATNS A T. T POSTTIO	COMPLEMENT
		CHARACTER DI	SPLAY				
	1740	DSC=17AB			LY PHE CHARACTE NATED MEMORY RE		IN THE
		/FULL ADDRESS	}				
	2000	ADD=ŽØØØ		ADD TH	TE CONTENTS OF Y REGISTER TO A	THE DESIG	NATED
	4000	STC=ADDD		IN THE	THE CONTENTS OF DESIGNATED ME	F AČČŮMUL Morý řegi	ITOR
	6000	JMP=6000		AUMP 1	TO ANOTHER DES!	GNATED ME	
	7200	CLA = 7200					•
	7040	CMA=7040					
	2000 6001	ISZ=2000 ION=6001					
	6002	100=6001 10F=6002					
	7900	NOP8=7000					
	7440	SZAB7448					
form.	7100	CLL=7100			" and appropriate feet"		

```
1153
                                                                                  PAGE 1=2
/PDP-12 CP TEST III MAINDEC-12-DOCB
                                                 V141
                                                         15-0CT-71
                                        PAL 10
                        AND=8000
                7000
                1000
                        TADSTOOD
                3000
                        DCA=3000
                        LAS#7674
                7604
                7006
                        RT = 7006
                                                 JUMP TO ANOTHER DESIGNATED MEMORY
                5200
                        JMP8=5200
                                                 PREGISTER FOR THE NEXT INSTRUCTION IN 8 FORMAT
                6141
                        LINC=6141
                                                 JCHANGE TO LINE MODE
                9020
                        1 3 0 0 2 0
                        /A=REGISTER BEFORE OPERATION,
                        BEA'C' BEFORE OPERATION,
                        /C=REGISTER AFTER OPERATION.
                        /DERÍGHT OR LEFT HALF OF THE ADDRESS TO BE CHANGED!
                        /EMADDRESS OF OPERATION.
                0001
                        #1
          0001 7300
                                CLA CLL
                                152
          0002
               2000
          0003
                                 5400
                                                         /JMP : 00
               5400
                0020
                        # 2 Ø
                                                         /INCORRECT STARTING ADDRESS
                                7492
          0020 7402
                                                         /HANG HERE
          0021
                5221
                                 JMP8
                                         21
          0022 7777
                        K77779
                                7797
                                5252
          0023
                5252
                        K9252,
          0024 0000
                        PEMPL.
                                2000
          0025 7007
                                7007
          0026
               7707
                                7707
          0027 7770
                                7790
          0030 2770
                                2790
          0031 2552
                                2552
          0032 7752
                                7752
          ØØ33
               7725
                                7725
          0034 7700
                                7700
          0035 2000
                        K0000, 0000
          0036 2525
                        K2525, 2525
          0037 0000
                        TEMPH. 0000
                3041
                        # 41
                                                         /ROUTINE FOR LINC
          0041 1000
                                LDA
          0042 0040
                                                         / INTERRUPT
                                0040
          0043 1560
                                                         /MASK TO BITS 2-11
                                BCL+20
          0044 6000
                                5000
          0045 1120
                                ADA+20
                                                         /ADD A JUMP +1
          0046 6001
                                6001
                                         EXIT
                                                         /SAVE IT
          0047 4053
                                STC
          0050 0017
                                COM
          0051
               2500
                                108
          ØØ52
                6244
                                6244
                                                         /RESTORE MEMORY FIELDS
                                                         /EXIT
          0053 6000
                        EXIT.
                                JMP
```

```
TPA.
                     2
2140 0000
                     CLR
                                             /CLEAR SPECIAL FUNCTION REGISTER
3141 7011
                     FSF
2142 2004
3143 1000
                     LDA
3144 8148
                     TPA
                     SAE+20
3145 1460
2146 5336
                     1NS+1
                                             ITRAPPED FROM WRONG LOCATION
2147 2222
                     HLP
                                             /MASK TO BITS 2-11
3150 1560
                     BCL +20
0151 6000
                     6000
3152 1120
                     ADA+20
                                             /ADD A JMP +1
3153 6001
                     6001
                             EXÍT1
                                             /STORE IN EXIT
0154 4157
                     STC
                     108
8155 8500
                     6244
2156 6244
                                             /EXIT
8157 6157
             EXITI. JMP
     2400
             4400
0400 6141
                     LINC
                     LDF
8481 8648
                     SAE+20
0402 1460
                     0000
0403 0000
                                             /I=O PRESET FAILED
3434 5050
                     HLP
                                             / TO CLEAR THE A.C.
             FLOF & CHANGE PEST
                     CLR
0405 0011
2486 8588
                     109
                     6214
0407 6214
                     SAE+20
2410 1460
                     0000
3411 8888
8412 8000
                                     /LDF=Ø AC=ØØØØ
                     HLT
                     LOPAI
0413 0641
8414 8588
                     108
8415 6214
                     6214
                     SAE+20
0416 1460
                     0002
0417 7002
                                     /LDF=1 AC=0002
0420 0000
                     HLT
                     CLR
0421 0011
                     LDF+2
Ø422 Ø642
                     108
8423 7588
                     6214
8424 6214
                     SAE+20
8425 1468
                     0024
2426 2224
                                     /LDF=2 ACS0004
0427 0000
                     HLT
0430 0011
                     CLR
```

PPPP=12 CP TEST III MAINDEC=I2=DØCB PAL10 V141 15=0CT=71 I193 PAGE 1=3

/PÕP≈12 CP TEST	III MATNOEC-12-	DØCB	PAL10	V141	15=QCT=71	1153	PAGE 1	1=4
Ø431	2643	LDF+3						
Ø432	9599	108						
Ø433	6214	6214						
Ø434	1460	SAE+20						
Ø435	7006	0006						
Ø436	7000 7000	HLT		/LDF=3 /	A C = 0.00 0.6			
	~ D & D	n L.) # D f = Q)	4040000			
Ø437	Ø64Ø	LDF		/ROUTING	E TO STORE PIXED			
Ø44Ø	1020	LDA+20		/DATA I	NTO THE LAST			
0441	7070	7070		/LOCATIO	ON IN EACH CELL			
0442	1040	STA						
Ø443	3777	3777						
Ø444	2641	LDF+1						
Ø445	1020	LDA+20						
Ø446	07¢7	8787						
0447	1040	STA						
0450	3777	3777						
0451	Ø642	LDF+2						
0452	1020	LDA+20						
Ø453	2525	2525						
Ø454	1040	STA						
Ø455	3777	3777						
Ø456	7643	LDP+3						
0457	1020	LDA+20						
0460	5252	5252						
Ø461	1040	STA				_		
0462	3777	3777		PROUTING	COMPLETEDSENTE	R_A_	_	
0463	2016	NOP		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	E TO VERIFY THE	DATA STO	RED	
0464	0011	CLR						
Ø465	9640	LDP						
0466	1000	LDA						
Ø467	3777	3777						
Ø 4 7 Ø	1460	SAE+20						
0471 0472	7070	7070		ALBA EAS	II PA Bene bisasa			
104/K	Ø Ø Ø Ø	HL T		/AC=7076	ILED DF#Ø B#7Ø7Ø			
Ø473	0011	CLR						
Ø474	7641	LOP+1						
0475	1000	LDA						
0476	3797	3797						
Ø477	1460	SAE+20						
Ø5ØØ	カアダア	Ø707						
0501	ସହସହ	HLP		/LDA FA:	ILED DF=1 B=0709			
Ø5 Ø 2	9 0 11	CLR		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	•			
0503	0642	LDP+2						
0504	1000	LDA						
0505	3777	3777						
Ø5Ø6	1460	SAE+20						
Ø5 0 7	2525	2525						
0510	ଉପ୍ର ପ	HLT		/LDA FA:	ILED DF#2 B=2525			
Ø511	ØØĪ1	CLR		FMUMEJE	•			
Ø512	Ø643	LDP+3						
2746	W 4 7 0	FD. AG						

```
1:53
PPP-12 CP TEST III MAINDEC-12-00CB
                                   PAL10 V141 15-007-71
                                                                              PAGE 1-5
         0513 1000
                               LDA
         0514 3777
                               3777
         Ø515 146Ø
                               SAE+20
         Ø516 5252
                               5252
                                              /LDA FAILED DF=3 B=5252
         0517 2000
                               HLT
                                              /AC=5252
                              LOP
         8528 7648
                       /SAE ALL ADDRESSING MODE TESTS
                       /SAE IST BOO TEST IN PART 1
                       /SAE TEST I=# 8=# ADDRESS OF OPERAND IS IN SECOND WORD
         0521 1020
                               LD4+20
                               7797
         Ø522 7777
         0523 1440
                               SAE
         0524 0022
                               K7979
                                              ISAE PAILED TO SKIP ACETTES MEMETTET
         0525 0000
                               HLP
         0526 1020
                               LDA+20
         Ø527 7777
                               7797
         0530 1440
                               SAE
                               K0900
         0531 0035
         0532 0456
                               SKP
                                              /SAE SKIPPED IN ERROR ACB7777 MEMBOODD
         8533 8888
                               HLP
         Ø534 ØØ11
                               CLR
         Ø535 1440
                               SAE
         0536 0022
                               K7979
         8537 8456
                               SKP
                                              ISAE SKIPPED IN ERROR ACHDODO MEMA7777
         9549 P999
                               HLP
         0541 0011
                               CLR
         0542 1440
                               SAE
         0543 0035
                               K0000
                                              /SAE FAILED TO SKIP AC-0000 MEM-0000
         0544 0000
                               HLP
         0545 1020
                               LDA+20
         Ø546 5252
                               5252
         0547 1440
                               SAE
                               K5252
         Ø55Ø ØØ23
                                              JSAE FAILED TO SKIP ACES252 MEM=5252
         0551 0000
                               HLT
                               LDA+20
         0552 1020
         Ø553 2525
                               2525
         0554 1440
                               SAE
                               K5252
         0555 0023
                               SKP
         Ø556 Ø456
                                              /SAE SKIPPED IN ERROR AC#2525 MEM#5252
                               HLP
         0557 0000
         0560 1020
                               LDA+20
                               5252
         Ø561 5252
         0562 1440
                               SAE
                               K2525
         Ø563 ØØ36
         0564 0456
                               SKP
```

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PPP-12 CP TEST III MAT DEC-12-DOCE
                                                 V141
                                                         15-0CT-71
                                                                          1153
                                                                                  PAGE 1=6
                                         PAL10
          0565 7000
                                HL *
                                                 /SAE SKIPPED IN ERROR AC#5252 MEM#2525
          0566 1020
                                _DA+20
          2567
                2525
                                2525
          2570 1440
                                SAE
                                K2525
          2571
               7036
                                                 JSAE PAILED TO SKIP ACE2525 MEM=2525
          0572 7000
                                HLT
                        /SAE TEST
                                       I #Ø B #X ADDRESS OF OPERAND IS IN BETA REGISTER
          0573 0077
                                SET+20+17
          0574 0035
                                K0000
          Ø575
                0011
                                CLR
                                SAE 17
          2576
               1457
         0577
                0000
                                HLT
                                                 /SAE FAILED TO SKIP ACEDEOD MEMEDODO BE17
          0600
                2075
                                SE7+20-15
          0601
               7035
                                K 2 2 2 2 2
          0602 1020
                                LDA+20
          Ø6Ø3
               7777
                                9797
                                SAE 15
          0604
               1455
          Ø6Ø5
               8456
                                SKP
                                HLT
                                                 JSAE SKIPPED IN ERROR ACRTTTT MEMAGGGG BE14
          Ø606
               2000
          Ø607
                2076
                                SE9+20+16
                                ¥5252
          Ø61Ø ØØ23
          0611
               1020
                                LDA+20
          0612 5252
                                 5292
                                SAE 16
          Ø613
               1456
                                                 /SAE FAILED TO SKIP ACRESES MEMBES 252 BE16
          0614
                2020
                                HLT
         Ø615
                0073
                                SE9+20-13
                                メフラフラ
          Ø616
               7022
                ØØ11
          Ø617
                                CLR
                                SAE 13
          0620 1453
          0621 0456
                                 SKP
                                                 /SAE SKIPPED IN ERROR ACROODE MEMS 9777 Bal3
                                HLT
          Ø622
               7970
          Ø623
                ØØ75
                                SET+20-15
          Ø624
               0022
                                KTTTT
                                1 DA+20
          0625 1020
          Ø626
                7797
                                7797
          0627
                1455
                                 SAE 15
                                                 JSAE FAILED TO SKIP ACHTTTT MEMBTTTT BRIS
          Ø63Ø ØØØØ
                                HL P
         0631 0072
                                SF 7 + 20 + 12
         0632 0023
                                K5252
          0633 1020
                                LDA+20
          0634 2525
                                2525
          Ø635 1452
                                 SAE 12
          Ø636
               0456
                                 SKP
                                                 /SAE SKIPPED IN ERROR ACH2525 MEM85252 8812
```

HLP

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PPP=12 CP TEST III MAINDEC=12-DOCS
                                         PAL10
                                                 V141
                                                          15-009-71
                                                                          1153
                                                                                   PAGE 107
          2642 2271
                                 SE7+20-11
          0641
               7036
                                 K2525
          0642 1020
                                 LD4+20
                5252
                                 5252
          0643
                                 SAE 11
          0644
               1451
                                 SKP
          Ø645
                0456
                                                  /SAE SKIPPED IN ERROR ACESES MEMa2525 Be11
          Ø646
               7000
                                 HLT
                                 SE 9+2047
          2647
                2067
          0650
                2236
                                 ¥2925
          Ø651
                1020
                                 LDA+20
          0652
                2525
                                 2525
          Ø653
               1447
                                 SAE 9
                                                 /SAE FAILED TO SKIP AC=2525 MEM=2525 BB7
          0654
                0000
                                 HLT
                         ISAE TEST AUTO INDEXING TEST
                         VADDRESS OF OPERAND -1 IS IN BETA REGISTER
                         /SAE IN1 BOX
          Ø655 ØØ9Ø
                                 SE7+20-10
                                 K0000=1
          0656
                7034
          0657
                0011
                                 CLR
                                 SAE+20410
               1490
          2662
                                                 ISAE FAILED TO SKIP ACRONOO MEMBOODD BRID
          0661
               ଅଷ୍ଟ୍ର
                                 HLT
          Ø662
                2266
                                 SET+20+6
          Ø663
                0034
                                 KODOD-I
                                 LDA+20
          2664
                1020
          Ø665
                7797
                                 9797
                                 SAE+20+6
          Ø666
               1466
          Ø667
                0456
                                 SKP
                                                  JSAE SKIPPED IN ERROR ACBP577 MEMBOODD Ba6
                                 HLP
          0670 9000
                                 SEP+2017
          Ø671
                2067
          Ø672
                                 ĸクタアタロゴ
                0021
                1020
                                 LDA+20
          Ø673
                                 9997
                クアタフ
          3674
          9675
                                 SAE+20a7
               1467
                                                  JSAE FAILED TO SKIP ACETTED MEMETETT BET
          Ø676
                0000
                                 HLP
          2677
                0072
                                 SE9+20-12
                                 ドウタフタロ₹
          0700
                7021
          0701
                ØØI1
                                 CLR
                                 SAE+20+12
          0702
                1472
          0703
                0456
                                 SKP
                                                  JSAE SKIPPED IN ERROR ACEDROR MEMA77777 Ba12
                                 HLP
          0704
                2000
                                 SE 9 + 20 46
          0705
                7066
          0706
                0022
                                 K5252=1
          0707
                1020
                                 LDA+20
                                 5252
          0710 5252
                                 SAE+2046
          Ø711 1466
                                 HL?
                                                  ISAE FAILED TO SKIP ACB5252 MEMB5252 BE6
          0712 0000
```

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1153
PPP-12 CP TEST III MATABLE-12-0008
                                          PAL10
                                                  V141
                                                          15-007-71
                                                                                    PAGE 1=8
          0713 0073
                                 * ( * + 20 ± 13
          0714
               0022
                                 ₹5252×1
          0715
               1020
                                 LDA+20
          0716
                                 2525
               2525
          Ø717
                1473
                                 SAE+20+13
          0720
                                 SKP
                0456
                                                  /SAE SKIPPED IN ERROR AC=2525 MEM=5252 B=13
          Ø721
               0000
                                 HLT
          7722
               0065
                                 SET+20+5
          Ø723
                                 ×2525-1
               7035
          0724
                1020
                                 LDA+20
          Ø725
                2525
                                 2525
          Ø726
                                 SAE + 20 + 5
               1465
          Ø727
                0000
                                 HLT
                                                  /SAE FAILED TO SKIP AC=2525 MEM=2525 BES
          0730
                0071
                                 SET+20-11
          0731
                9035
                                 K2525e1
          0732 1020
                                 LDA+20
          0733
                5252
                                 5252
          0734
               1491
                                 SAE+20-11
          Ø735
                3456
                                 SKP
                                                  /SAE SKIPPED IN ERROR ACES252 MEME2525 BE11
          Ø736
               0000
                                 HLT
                         JSET TEST 1 = 0 B = X
          0737 0057
                                 SET +17
                                 メヲヲフタ
          9749
               0022
          0741 1020
                                 104+90
                                 7797
          0742
                7777
          0743
                1440
                                 SAE
          8744
                0017
                                 0017
          0745
                                                  /SET#1 FAILED TO SET BIT ACHTTTT
                7000
                                 HLT
          Ø746
                0052
                                 SE7+12
          0747
                7023
                                 K5252
          0750 1020
                                 LDA+20
          0751
                5252
                                 5252
          Ø752
                                 SAE
               1440
          0753
                ØØ12
                                 0012
                                                  /SET+2 FAILED TO SET BIZ ACE5252
          0754
                0000
                                 HLT
          0755
                0053
                                 SET+13
          0756
                ØØ36
                                 ¥2525
          0757
                1020
                                 LDA+20
          0760
                                 2525
                2525
          0761
                1440
                                 SAE
          0762
                ØØ13
                                 0013
          Ø763
                0000
                                                  /SET+3 FAILED TO SET BIS ACE2525
                                 HLT
          0764
                0054
                                 SET+14
```

K0000

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1193
/PDP=12 CP TEST III MAINDEC-12-DØCB
                                       PAL10
                                               V141 ... 15=009=71
                                                                               PAGE 189
                               LDA+20
         2766 1020
         2767 3020
                               0000
         2770 1440
                               SAE
         2771 3014
                               5014
         2772 2000
                               HLT
                                               /SET 4 FAILED TO SET BI4 ACEDDOD
                               SET+14
         2773 2054
         2774 2022
                               ×7777
         2775
                               LDA+20
              1020
         8776 7777
                               7777
         2777
               1440
                               SAE
         1220
              2014
                               0014
                                               JSET-14 FAILED TO SET BIA ACETTET
         1001 7000
                               HLT
         1002 0055
                               SET+15
         1003 0023
                               ¥5252
         1004 1020
                               LD4+20
         1005 5252
                               5252
         1006 1440
                               SAE
                               ØØ15
         1007 0015
                                               /SET+15 FAILED TO SET B15 AC=5252
         1010 0000
                               HLT
                               SET+16
         1011 0036
         1012 7036
                               K2525
                               LD4+20
         1013 1020
         1014 2525
                               2525
         1015 1440
                               SAE
                               0016
         1016 0016
         1017 9000
                               HLT
                                               /SET-16 FAILED TO SET B16 AC=2525
         1020 0097
                               SET+17
                               K 0 0 0 0
         1021 0035
         1022 1020
                               LDA+20
         1023 0000
                               0000
         1024 1440
                               SAE
         1025 0017
                               0017
                                               /SET+17 FAILED TO SET 617 ACDOBOO
         1026 0000
                               HLP
                       FLDA ALL MODE PEST
                       /IND BRO ADDRESS OF OPERAND IS IN SECOND WORD
         1027 1000
                               LDA
         1030 0035
                               K0000
         1031 1460
                               SAE+20
         1032 0000
                               2000
         1033
                                               /LDA PAILED AC=0000
                               HLT
               9999
         1034 1000
                               LDA
         1035 6022
                               メフラフラ
                               SAE-20
         1036 1460
         1037 7777
                               7777
                                               /LDA FAILED ACR7777
         1040 9000
                               HLT
```

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1153
/POP-12 OP TEST III MAINDEC = 12-DOCB
                                       PAL18 V141
                                                        15-007-71
                                                                                 PAGE 1-10.
         1041 1000
                                LDA
         1042 7023
                                ×5252
         1043 1460
                                SAE+20
         1044
               5252
                                5252
         1045 0000
                                HLT
                                                /LDA FAILED AC#5252
         1046 1000
                                LDA
         1047 0036
                                K2525
         1050
              1460
                                SAE+20
         1051
              2525
                                2525
                                                /LDA FAILED ACE2525
         1052 0000
                                HLT
                        /I=Ø BHX ADDRESS OF OPERAND IS IN B REGISTER
                                SET+20+11
         1053 0071
         1054
               0035
                                K0000
         1055 1011
                                LDA 11
         1056 1460
                                SAE+20
         1057
               0000
                                2200
                                HLT
                                                /LDA + B FAILED AC=0000
         1060 7070
                                SE7+28-12
         1061
               9972
         1062 0022
                                メフラフラ
         1063 1012
                                LDA 12
         1064 1460
                                SAE+20
         1065 7777
                                7777
         1066 9000
                                HLT
                                                JLDA + B FAILED ACRTTTT
         1067 0073
                                SET+20413
         1070 0023
                                K5252
         1071 1013
                                LDA 13
         1072 1460
                                SAE+20
         1073 5252
                                5252
                                HLT
                                                /LDA + B FAILED AC=5252
         1074 9000
         1075 0074
                                SE7+20-14
         1076
               7036
                                K2525
         1077
                                LDA 14
               1014
         1100
                                SAE+20
               1460
         1101
              2525
                                2525
                                HLT
         1102 0000
                                                /LDA + B FAILED ACT2525
                        ILDA I B TEST
                        / INT BAX ADDRESS OF OPERAND #1 IS IN B REGISTER
         1103 0075
                                SET+20-15
         1104 0034
                                K0300=1
         1105 1035
                                LDA+20415
         1106 1460
                                SAE+20
         1107
               2900
                                0000
         1110
              7000
                                HLT
                                                ILDA I B FAILED ACEDODO
```

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JPBP-12 CP TEST III MAINDEC-12-DOCB
                                       PAL16 V141
                                                       15=0CT=71
                                                                       1193
                                                                               PAGE 1011
         1111 0076
                               SET+20-16
         1112 7021
                               ¥7777=1
                               LD4+20+16
         1113 1036
                               SAE+20
         1114 1460
         1115 7777
                               7777
                               HLT
                                               /LDA I B FAILED ACE7777
         1116 3000
                               9E7+20+17
         1117 0077
         1120 0022
                               K525201
         1121 1037
                               LDA+20-17
                               SAE+20
         1122 1460
                               5252
         1123 5252
         1124 7000
                               HL T
                                               ILDA I B FAILED ACT5252
         1125 0071
                               SET+20+11
                               K2525#1
         1126 0035
         1127 1031
                               LD4+28+11
         1130 1460
                               SAE+20
         1131 2525
                               2525
         1132 2000
                               HLP
                                               /LDA I B FAILED AC=2525
                       7STA IN1 BEØ TESTED IN PART 1
                       ISTA ALL MODE PEST
                       TISO BEO ADDRESS OF OPERAND IS IN SECOND WORD
         1133 9011
                               CLR
                               STA
         1134 1040
                               PEMPL
         1135 7024
         1136 1440
                               SAE
         1137 0024
                               PEMPL
         1140 0000
                               HLP
                                               /STA FAILED ACEDODO TEMPLEDODO
         1141 1020
                               LDA+20
         1142 7777
                               7777
         1143 1040
                               STA
                               TEMPH
         1144 8037
         1145 1440
                               SAE
                               PEMPH
         1146 9937
                                               JSTA FAILED ACETTTT TEMPHETTTT
         1147 7000
                               HLT
         1150 1020
                               LDA+20
         1151 5252
                               9292
         1152 1040
                               STA
                               TEMPL
         1153 8024
         1154 1440
                               SAE
         1155 0024
                               TEMPL
                                               ISTA PAILED AC#5252 TEMPL#5252
                               HLP
         1156 0000
         1157 1020
                               LDA+20
                               2525
         1160 2525
         1161 1040
                               STA
                               PEMPH
         1162 0037
         1163 1440
                               SAE
         1164 7037
                               PEMPH
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/PDP=12 CP TEST	III MATNDEC-12:0	DØCB PALIØ	V141 15	5=0CT=71	1153	PAGE 1=12
		doe	.08. 81.		maria Amam	
1165	7000		/STA FAILE	D AC=2525	TEMPH=2525	
1166	ØØ11	CLP				
		STA				
1167 1170	1040 0037	TEMPH				
		SAE				
1172	1440	TEMPH				
1172	0037	HLT	JSTA FATIS	Th Areasas	TEMPHEDOOD	
11/3	ଅଷ୍ଟର	.πik i	ANIM LWIFE	LO ACREEDE	IEULMERRKR	
1174	1020	LDA+20				
1175	7777	7777				
1176	1040	STA				
1177	8024	TEMPL				
1200	1440	SAE				
1201	0024	PEMPL				
1202	7000	HLT	JSTA FATIF	TD ACE7777	TEMPLE7777	
7665	***************************************	716	, o , m , m , m , m , m , m , m , m , m	-D MG-7///	: Ent F# () ()	
1203	1020	LDA+20				
1204	5252	5252				
1205	1040	STA				
1206	0037	TEMPH				
1207	1440	SAE				
	- · -	TEMPH				
1210 1211	8937 8989	HLT	JETA FATIE	Th icesass	TEMPH # B252	
1211	0000	MP I	AND LATE	10 AC#3232	IEMPREDADA	
1212	1020	LDA+20				
1213	2525	2525				
1214	1040	STA				
1215	0024	TEMPL				
1216	1440	SAE				
1217	ØØ24	TEMPL				
1220	0000	HLT	ISTA FAILE	ED AC#2525	TEMPL 2525	
	/STA TES	5				
		BEX ADDRESS OF	P OPERAND 15	IN B REG	İSTER	
					• • • • • • • • • • • • • • • • • • • •	
1221	8967	SET+2047				
1222	0037	TEMPH				
1223	1020	LDA+20				
1224	ଅଷ୍ଟର	0000				
1225	1047	STA 7				
1226	1440	SAE				
1227	0037	TEMPH				
1230	0000	HLT	JSTA A FA!	ILED AC=ØØ	DO TEMPHERDA	Ø B=7
4074	6544	0.00.001				
1231	0066	SE ? + 20 ± 6				
1232	ØØ37	TEMPH				
1233	1020	LDA+20				
1234	7777	7777				
1235	1046	STA 6				
1236	1440	SAE				
1237	0037	TEMPH				_
1240	ଜ୍ଞକ୍ଷ	ዛሬኖ	/STA A FA!	LLED AC=77	77 TEMPHE777	7

1241	0 0 77	SE7+20+17						
1242	0037	TEMPH						
1243	1020	LDA+20						
1244	5252	5252						
1245	1057	STA+17						
1246	1440	SAE						
1247	0037	TEMPH						
1250	7000	HLT	ATPL	٨	FATIFO	AC=5959	PEMPH = 5252	0 2 1 7
1270		ar.	/ J A	~	. 4 4 75 75 7	MUMBERE	I E III PIN W Z E J &	9-4
1251	8076	SE9+20-16						
1252	ØØ37	TEMPH						
1253	1020	LD4+20						
1254	2525	2525						
1255	1056	STA+16						
1256	1440	SAE						
1257	7837	TEMPH						
		HLT	1541	A	EATLER	A P = 2828	PEMPH#2525	DR16
1260	ភស្ ស្ស	mb i	JOIA	æ	LAIPED	MUNEJES	I E THE MAC D C D	B - 7 A
4264	3343	6-7-30i7						
1261	ØØ67	SET+20+7						
1262	0024	TEMPL						
1263	1020	LDA+20						
1264	ମୟପ୍ର	0000						
1265	1.047	STA+9						
1266	1440	SAE						
1267	_							
	7024	TEMPL	1041			1 a a a a a	TEMPL = 0000	
1270	ମ ଥ ଓ ଅ	HLT	/3 ! A	A	PAILEU	WC SERRER	IFWELMORRA	8 /
1291	8894	0-9-00-4						
1271	0071	SE 7 + 20 + 11						
1272	7024	TEMPL						
1273	1020	LDA+20						
1274	クヲラフ	7777						
1275	1051	STA+11						
1276	1440	SAE						
1277	7924	TEMPL						
	·	HLT	1571	A	CATLER	A ~ ~ 7 9 7 9	PEMPL = 9797	D#11
1300	2000	MP i	/ SIA	A	PALECO	AU-////	I E LIME THOU / / /	Batt
1301	0075	SE 9+20+15						
1302	7024	TEMPL						
1303	1020	LDA+20						
1304	5252	5252						
1305	1055	STA+15						
1306	1440	SAE						
1307	7024	TEMPL						
1310	0000	HLT	15TA	A	FATLED	AC#5959	PEMPL=5252	Da15
7015		116	,	-			THE SHEET SEE	
1311	3 974	SET+20+14						
1312	7024	TEMPL						
1313	1020	LDA+2Ø						
		— -						
1314	2525	2525						
1315	1054	STA+14						
1316	1440	SAE						
1317	ØØ24	TEMPL						
1320	୍ଟ୍ର	HLT	/STA	A	FAILED	AC=2525	PEMPL=2525	8=14
-								

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/STA TES* AUTO INDEX
              /STA 1=1 B=X ADDRESS OF OPERAND=1 IS IN B REGISTER
1321 0070
                      SET+20+10
1322 6023
                      TEMPLET
1323
     1020
                      LDA+20
1324 5252
                      5252
1325 1070
                      STA 20-10
1326
     1640
                      SAE
1327
     0024
                      TEMPL
1332
     2020
                      HLT
                                       ISTA I A FAILED ACES252 TEMPL=5252 BE12
1331 2067
                      SET+20+7
1332 2023
                      TEMPL=1
1333 1020
                      LDA+20
1334
     2525
                      2525
1335
     1067
                      STA 2007
1336 1440
                      SAE
1337
     2024
                      TEMPL
1340
                      HLT
                                       ISTA I A FAILED ACE2525 TEMPLE 2525 BET
     7000
1341
      2071
                      SET+20+11
1342 7036
                      PEMPHOI
1343 1020
                      LDA+20
1344
      5252
                      5252
1345 1091
                      S74+20+11
1346
      1440
                      SAE
1347
     2037
                      TEMPH
1350 0000
                      HLT
                                       /STA I A FAILED ACB5250 TEMPHB9252 BB11
1351 0066
                      SE 9 + 20 + 6
1352
      0036
                      TEMPH = 1
1353
      1020
                      LDA+20
1354
     2525
                      2525
1355 1066
                      STA + 20 16
1356
     1440
                      SAE
1357
                      TEMPH
      0037
                                       /STA I A FAILED ACT2525 TEMPH#2525 B#6
1360 0000
                      HLT
              /ADA ALL MODE ADDRESSING TEST
              /ADA IST BED TEST IN PART 1
              /ADA I=Ø B#Ø ADDRESS OF OPERAND IN SECOND WORD
1361 2011
                      CLR
1362 1100
                      ADA
1363
     0035
                      K0000
1364
     1100
                      ADA
1365 0022
                      K7777
1366
      1460
                      SAE+20
1367
     7777
                      7777
1370 9000
                      HLT
                                       VADA FAILED APEGEO BETTTT ACETTTT
1371 2474
                      FL0+20
                                       /FLO PAILED FLORE
```

HLT

PPP-12 CP TEST	III MAĪNDEC-12:	Dace	PAL18	V141	15-007-71	Ĩ193	PAGE	1è15
1373	ØØ11	CLR						
1374	1100	ADA						
1375	7023	K5252						
	1100	ADA						
1377	7023	K5252						
1400	1460	SAE+20						
1431	2525	2525						
1402	9000	HLT		/ADA	FATLED As5252	8=5252 AC=252	5	
4.02	2000	· • • • • • • • • • • • • • • • • • • •		,				
1403	0454	FLO		/FLO	FAILED FES			
1404	୩ ଥ ଥ ଥ	HLT						
1485	9911	CLR						
1406	1100	ADA			•			
1487	0022	K7777						
1410	1100	ADA						
1411	ØØ35	K0000						
1412	1660	SAE+20						
1413	7777	ファファ			_			
1414	2000	HLT		/ADA	FAILED AB7777	8=0000 AC=777	7	
1415	3474	FL0+20		/FLOW	FAILED PLOSE			
1416	8000	HLT						
1417	0011	CLR						
1420	1100	ADA						
1421	7036	K2929						
1422	1100	ADA						
1423	ØØ36	K2929						
1424	1460	SAE+20						
1425	5252	5252					_	
1426	₫ 0 월 0	HLT		/ADA	FAILED Am2525	B=2929 AC=525	2	
1427	8454	FLO		1560	FAILED			
1430	ମ୍ୟୁ ପ୍ର	HLT						
1431	ØØ 1 1	CLR						
1432	1100	ADA						
1433	0023	K5252						
1434	1100	ADA						
1435	8036	K2929						
1436	1460	SAE+20						
1437	7797	7777		4484	FA1: FA A-8383	ningson Irings	. 77	
1440	9999	HLT				B=2525 AC=797	,	
1441	8474	FL0+20		/FLO	FAILED			
1442	9000	HLP						
1443	7011	CLR						
1444	1100	ADA						
1445	7036	K2525						
1446	1100	ADA						
1447	0023	K5252						
1450	1460	SAE						
1451 1452	7777 5666	7777 HL4		/ A Pi A	FATIEN Ampmas	8=5252 AC=777	9	
7.425	9000	AF.		FRUR	1 41 FED WAC353	DESCUE NUM///	,	

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POP-12 OF TEST III MAI DEC-12-DOCB
                                       PAL10 V141
                                                       15-0CT-71
                                                                     1153
                                                                               PAGE 1-16
                        JADA A TEST
                       11=0
                               D & X
         1453 7071
                               SET+20+11
         1454 7035
                               K0000
         1455 7011
                               CLR
         1456 1111
                               ADA 11
         1457 1111
                               ADA 11
         1460
              1460
                               SAE+20
         1461
               0000
                               5000
         1462
               7070
                               HLT
                                               /ADA B FAILED ASODOO BEDOOO ACSODOO BEIL
         1463 2077
                               SET+20+17
                               K525?
         1464 7023
         1465 7011
                               CLR
                               ADA 17
         1466 1117
                               ADA 17
         1467 1117
                               SAE+20
         1470 1460
         1471
               2525
                               2525
         1472 9000
                                               /ADA B FAILED As5252 Bs5252 ACR2525 Bs17
                               HLT
         1473 8867
                               SET+20+7
         1474 7023
                               K5252
         1475
               0070
                               SET+20+10
         1476
               9936
                               K2525
         1477
                               CLR
               ØØ11
         1500 1107
                               ADA#7
         1501 1110
                               ADA+10
         1502 1460
                               SAE+20
         1503
               7797
                               7777
                                               JADA B FAILED AB5252 BR2525 ACB7777 BB7.10
         1504
                               HLT
               2000
         1505 0073
                               SET + 20 - 13
         1506 0036
                               K2525
         1507 0097
                               SET+20-17
         1510 0023
                               K5252
         1511
               Ø011
                               CLR
         1512 1113
                               ADA+13
         1513 1117
                               ADA+17
         1514 1460
                               SAE+20
         1515
              7777
                               7777
                                               /ADA B FAILED A=2525 BF5252 AC=7777 8#13.17
         1516 9000
                               HLT
                        JADA I A TEST
         1517 0067
                               SE 7 + 20 + 7
         1520 0034
                               KØØØØ-I
         1521 3077
                               SET+20+17
         1522 7021
                               K777701
         1523 0011
                               CLR
         1524 1127
                               ADA+20+7
         1525
              1137
                               ADA+20+17
         1526 1460
                               SAE+20
         1527
               7777
                               7777
```

HLP

/ADA I A FAILED AFROOD BETTTT ACETTTT BET. IT

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POP-12 CP TEST III MAINDEC-12-DOCB PALID V141
                                                                     7193
                                                                               PAGE 1017
                                                       15=0C7=71
         1531 2067
                               SET+20+07
         1532 7022
                               K5252=₹
                               SE7+20-10
         1533 3070
                               K2525=1
         1534 9035
         1535 0011
                               CLR
                               ADA+20+07
         1536 1127
         1537 1130
                               ADA+20410
         1540 1460
                               SAE+20
         1541 7777
                               7777
                                               /ADA I A FAILED AMBOOO BMODOO ACMOOOF BM7.10
         1542 2000
                               HLT
         1543 7072
                               SET+20+12
         1544 0034
                               K00000-1
         1545 9065
                               SET+20+05
         1546 0034
                               K0000-1
         1547 0011
                               CLR
         1550 1132
                               ADA+20+12
                               ADA+20-05
         1551 1125
                               SAE+20
         1552 1460
         1553 0000
                               0000
                                               /ADA I A FAILED A=8000 B=0000 Ac=0000 B=12.5
         1554 0000
                               HLT
         1555 0072
                               SE7+20-12
         1556 2035
                               K2525-1
         1557 8076
                               SET+20+16
         1560 0022
                               K5252-I
         1561 7011
                               CLR
                               ADA + 20 - 12
         1562 1132
                               ADA + 20 - 16
         1563 1136
         1564 1460
                               SAE+20
         1565 7797
                               7797
                                               /ADA I A FAILED A82525 B=5252 AC87777 B812.16
         1566 2000
                               HLT
                       7800 ALL MODE ADDRESSING TEST
                       JBCO IND BOO ADDRESS OF OPERAND IS IN SECOND WORD
                       /BCO IN1 BOD TESTED IN PART 1
         1567 1020
                               LDA+20
                               7797
         1570 7777
         1571 1640
                               BCO
         1572 0023
                               K5252
         1573
                               SAE+20
              1460
         1574 2525
                               2525
                                               /BCO FAILED AS7777 B=5252 AC=2525
         1575 0000
                               HLP
         1576 1020
                               LDA+20
                               5252
         1577 5252
                               BCO
         1600 1640
                               K2525
         1601 0036
                               SAE+20
         1602 1460
         1603 7777
                               7777
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/PDP=12 CP TEST	III MATYDEC-12-	0203	PAL10	V141	15=(007-71	1	53	PAGE	1=18
1624	3 0 0 0	HL?		10 FA	EATLEM	A = 5 2 E 2	B=2525	スペングラフ	7	
1064	ଅପ୍ରପ	A		7500	1 4 1 1 2 2	M47676	0-2722	#U*///	,	
1625	1020	_DA+20								
1676	2525	2525								
1687	1640	800								
1610	7022	K7777								
1611	1460	SAE+20								
1612	5252	5252								
1613	9000	HLT		/BCD	FAILED	A = 2525	8=7777	ÀC=525	2	
1614	0011	CLR								
	1640	BCO								
1616	0035	KØØØØ								
1617	1460	SAE+20								
1620	0000	0000								
1621	7000	HLT		/BCO	FAILED	A 2 0 0 0 0	8=0000	AC=ØØØ	Ø	
	"									
	PBCO A T	£31								
1622	7071	SE7+20+	11							
1623	ØØ22	メアアファ								
1624	1020	LDA+20								
1625	5252	5252								
1626	1651	BC0+11								
1627	1460	SAE+20								
1630	2525	2525						-	_	
1631	0000	HLT		/BCO	FAILED	A # 5 2 5 2	B=7975	AC=252	5	
1632	9077	SE 9+20+	17							
1633	ØØ35	K Ø Ø Ø Ø								
1634	1020	LDA+20								
1635	2525	2525								
1636	1657	BC0+17								
1637	1460	SAE+20								
1640	2525	2525					- ' - 3 - 3	*****	_	
1641	ମ ହେଉଛ	HLT		1800	FAILED	A # 2525	8=0000	AC8595	5	
1642	0095	SET+201	15							
1643	ØØ36	K2525								
1644	1020	LDA+20								
1645	8888	8888								
1646	1695	BC0+15								
1647	1460	SAE+20								
1650	2525	2525			5455	1-8-00	a. a	3 6 5 0 8 6	er	
1651	7000	HLT		ARCO	LATER	MAGARY	B=2525	AUS 202	フ	
1652	ØØ72	SE7+202	12							
1653	0023	K5252								
1654	1020	LD4+20								
1,655	2525	2525								
1656	1652	BCO+12								
1,657	1460	SAE+20								
1660	7777	7777		10.00	7 A T . 7 P	1 - 2 - A -	nicama	7 m _ m b =	9	
1661	0000	HLP		\RCD	LWIFFO.	wards	B=5252	AUW777	′	

/POP-12 CP TEST III MAINDEC-12-DOCB

```
JBCD ILA TEST
1662 2066
                      SE 9 + 20 + 6
1663 3021
                      K77777=1
                      LDA+20
1664
     1020
1665
                      2222
     ଅନ୍ତର
                      300+20+6
1666
      1.666
1667
                      SAE+20
     1460
1670 7777
                      7777
                                      /BCO FAILED ARODOO BE7777 ACE7777 BE6
1671
      9000
                      HLT
1672 0071
                      SE7+20+11
1673 0022
                      K5252#1
1674 1020
                      LDA+20
1675
     2525
                      2525
1676
     1691
                      BC0+20+11
1677 1460
                      SAE+20
1700
     7777
                      7777
                                      /BCO FAILED A#2525 B=5252 AC#7977 B#11
1701
     2000
                      HLT
                      SE7+20-13
1702 0073
1703
                      KOOOO-I
     7234
                      LDA+20
1704
     1020
1705 5252
                      5252
                      BC0+20+13
1706 1673
1707
     1460
                      SAE+20
                      5252
1710
     5252
1711
                      HLT
                                      /BCO FAILED A#5252 B#0000 AC#5252 B#13
     9090
                      SET+20-14
1712 0074
1713 0035
                      K2529 € 1
1714 1020
                      LDA+20
1715 2525
                      2525
1716 1674
                      BC0+20-14
1717 1460
                      SAE+28
1720
     0000
                      0000
                                      /BCO FAILED A=2525 B=2525 AC=0000 B=14
1721 0000
                      HLP
              JBSE IND BOO ADDRESS OF OPERAND IN NEXT LOCATION
              JBSE ALL ADDRESSING MODE TEST
              JBSE IN1 BOO TESTED IN PART 1
1722 8811
                      CLR
1723 1600
                      BSE
1724
     2036
                      K2525
1725 1460
                      SAE+20
1726
     2525
                      2525
                      HLT
                                      /BSE FAILED A=2525 AC=2525
1727
     7000
1730
     0011
                      CLR
1731 1600
                      BSE
1732 2023
                      K5252
                      SAE+20
1733
     1460
1734
     5252
                      5252
```

```
PPPP=12 CP TEST III MAINDEC-12-DØCB
                                                V141
                                                        15-007-71
                                                                        1153
                                                                                PAGE 1=20
                                        PAL12
                                                JBSE FAILED A#5252 AC#5252
          1735 7000
                                HLT
         1736 1020
                                LDA+20
          1737 2525
                                2525
          1740 1600
                                BSE
          1741 2023
                                K5252
         1742 1460
                                SAE+20
          1743 7777
                                7777
          1744 2000
                                HLT
                                                /BSE FAILED A#2525 8=5252 AC=7777
         1745 1020
                                LDA+20
          1746 5252
                                5252
          1747 1600
                                BSE
          1750 0036
                                K2525
          1751 1460
                                SAE+20
                                7777
          1752 7777
                                                /BSE FAILED A#5252 B=2525 AC=7777
          1753 2000
                                HLT
          1754 9641
                                LDF+1
          1755 7601
                                LIFOI
                                                /CHANGE TO NEXT CELL
          1756 6100
                                JMP+100
                        #2000
                2000
          2000 0000
                                HLT
                                                ISHOULD NEVER EXECUTE
          2001 0000
                                HLT
                                                ITHESE HALTS
                2022
                        #2022
          2022 7777
                                7797
          2023 5252
                                5252
          2024 2000
                                0000
          2025 7007
                                7007
          2026 7707
                                ファタフ
          2027 7770
                                7770
          2030 9770
                                9770
          2031 2552
                                2552
          2032 7752
                                7752
          2033 7725
                                9725
          2034 7700
                                7780
          2035 0000
                                0000
          2036 2525
                                2525
          2037 0000
                                2000
                        #2100
                2100
                        /BSE TEST
                        /BSE INØ BEX ADDRESS OF OPERAND IN B REGISTER
          2100 0071
                                SE7+20+11
          2101 0036
                                K2525
          2102 0011
                                CLR
          2103 1611
                                BSE 11
          2104
               1460
                                SAE+20
          2105
               2525
                                2525
          2106 0000
                                HLP
                                                /BSE FAILED A#2525 AC#2525 B#11
```

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1153
POP-12 OF TEST III MAINDEC-12-DOCB
                                       PAL18
                                               V141
                                                       15-00T-71
                                                                               PAGE 1-22
         2163 0000
                               0000
                               W W
                                               /BSE FAILED ASØØØØ ACSØØØØ BS14
         2164 7000
         2165 7073
                               SET + 20 + 13
         2166 8021
                               K777701
                               LDA+20
         2167 1020
         2170 2525
                               2525
         2171 1633
                               BSE + 20 + 13
         2172 1460
                               SAE+20
          2173 7777
                               7777
                                               /BSE FAILED A#2525 B#7777 AC#7777 B#13
          2174 0000
                               HLT
                       JBCL INT BEØ TESTED IN PART 1
                       /BCL ALL MODE ADDRESSING TEST
                       /BCL ING BEG ADDRESS OF OPERAND IN NEXT LOCATION
          2175 1020
                               LDA+20
                               7777
         2176 7777
         2177 1540
                               BCL
         2200 0036
                               K2525
          2201 1460
                               SAE+20
          2202 5252
                               5252
         2203 0000
                                               /BCL FAILED AR7777 8=2525 AC=5252
                               HLT
         2204 1020
                               LDA+20
         2205 2525
                               2525
          2206 1540
                               BCL
         2207 2036
                               K2525
          2210 1460
                               SAE+20
          2211
                               5050
               0000
         2212
                               HLT
                                               /BCL FAILED Ag2525 Ba2525 ACADAGO
              0000
         2213 1020
                               LDA+20
          2214 5232
                               5252
         2215 1540
                               ACL
          2216 0036
                               K2525
          2217 1460
                                SAE+20
          2220 5252
                                5252
                                               /BCL FAILED A#5252 B#2525 AC#5252
          2221
              6666
                               HLT
         2222 1020
                               LDA+20
         2223 0000
                               0000
          2224 1540
                               BCL
         2225 8022
                               K7777
          2226 1460
                               SAE+20
          2227 0000
                               2000
          2230 7000
                                HLT
                                               JBCL FAILED ASOOOD BS7777 ACSOOO
                       /BCL B TEST
          2231 0075
                               SET+20-15
         2232 9936
                               K2525
          2233 1020
                               LDA+20
          2234
               7777
                               7777
```

BCL+15

/P5P-12	CP TEST	III MAINDEC-12	DØCB	PAL10	V141	15-00	7=71	1193	PAGE 1-23
	2236	1460	SAE+20						
	2237	5252	5252						
	2240	ଅପ୍ର	HLT		VBC L	B FAILES	A=7797	8#2525 AC	=5252 B=15
	2241	0072	SET+20+	12					
	2242	7023	¥5252						
	2243	1020	LDA+20						
	2244	2525	2525						
	2245	1552	BCL+12						
	2246	1460	SAE+20						
	2247	2525	2525						
	2250	ମ ଥ ମ ଥ	HLT		/BCL	B FAILED	A = 2525	B#5252 AC	= 2525
	2251	2074	SET+20+	14					
	2252	ØØ36	K2525						
	2253	1020	LDA+20						
	2254	5252	5252						
	2255	1554	BCL+14						
	2256	1460	SAE+20						
	2257	5252	5252						
	2260	7070	HLT		VBCL	B FAILED	As5252	B=2525 AC	· 5252
	2261	Ø Ø 76	SET+20à	16					
	2262	MØ22	ドアアファ						
	2263	MØII	CLR						
	2264	1556	BCL+16						
	2265	1460	SAE+20						
	2266	0000	2000						
	2267	7979	HLT		\BCL	B FAILED	A 0 0 0 0 0	BE7777 AC	= Ø Ø Ø Ø
		/BCL I	A TEST A	UTO INDE	X				
	2270	8 9 77	SET+20+	17					
	2271	9022	K5252=1						
	2272	1020	LDA+28						
	2273	2525	2525						
	2274	1597	BCL+20+	17					
	2275	1460	SAE+20						
	2276	2525	2525						
	2277	ଜ୍ଞନ୍ତ	HLT		/BCL	I B FAIL	ED 4025	25 8=5252	AC=2929 B=17
	2300	0073	SET+201	13					
	2301	7034	K B B B B B = I						
	2392	1.020	LDA+20						
		7777	7777						
	2304	1573	BCL+20+	13					
		1460	SAE+20						
	2306	7777	7777						Th
	2307	9000	HL T		\BC[I B FAIL	EU A877	77 8 =0000 0	ĀC=7777 B#13
	2310	0075	SET+204	15					
	2311	8873 8821	K7777=1	• •					
	2312	1020	LDA+20						
	CATE	TRCE	P C W A C E						

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POP-12 CP-TEST III MATNOEC-12-DECB PALIE V141
                                                      15-007-71
                                                                  1193
                                                                             PAGE 1=24
         2313 0000
         2314 1575
                               #20+15
         2315 1460
                               SAE+20
         2316 2000
                               2222
                                              /BCL I B FAILED A=0000 BE7777 AC=0000 B=15
         2317 7000
                               M . T
         2320 0093
                              SET-13
         2321 7035
                              K2525=1
         2322 1020
                              LDA+20
         2323 5252
                               5252
         2324 1573
                               BCL+20+13
         2325 1460
                               SAE+20
         2326 5252
                               5252
         2327 0000
                                              /BCL I B FAILED A=5252 B=2525 AC=5252 B=13
                               HLT
                       /SRO I # Ø B # Ø ADDRESS OF OPERAND IN NEXT LOCATION
                       /SRO ALL MODE ADDRESSING TEST
                       /SRO I=1 BEØ TESTED IN PART 1
         2330 1020
                              LDA+20
         2331 5252
                               5252
         2332 1040
                              STA
         2333 0024
                              PEMPL
         2334 1500
                              SRO
         2335 ØØ24
                              TEMPL
         2336 8888
                               HLT
                                              /DID NOT EXECUTE SKIP
         2337 1020
                              LDA+20
         2340 2525
                               2525
         2341 1440
                               SAE
         2342 0024
                               TEMPL
         2343 0000
                                              /SRO FAILED TO ROTATE PROPERLY
                               HLT
         2344 1020
                              LDA+20
         2345 7775
                              7775
         2346 1040
                               STA
         2347 0024
                                              ISTORE A'C'.
                              PEMPL
         2350 1500
                              SRO
         2351 0024
                               PEMPL
         2352 0016
                               NOP
         2353 1020
                              LDA+20
         2354 7776
                              7776
         2355 1440
                               SAE
                               TEMPL
         2356 0024
         2357 ØØØØ
                              HLT
                                              /SRO FAILED TO ROTATE PROPERLY
         2360 1020
                              LDA+20
         2361 0002
                              0002
         2362 1040
                               STA
         2363 9037
                                              ISTORE A.C.
                               TEMPH
         2364 1500
                              SRO
         2365 0037
                              TEMPH
         2366 9090
                               HLT
                                              /DID NOT EXECUTE SKIP
         2367 1020
                              LDA+20
         2370 0001
                               0001
```

SAE

CP TEST	III MAINDEC-12	DøCB	PAL10	V141	15=001=71	1193	PAGE 1=25
2372	8037	TEMPH				(ie	
2373	7000	HLT		/SRO	FAILED TO ROT	ATE PROPERLY	
2374	1020	LDA+20					
2375	2525	2525					
2376	1040	STA					
2377	0037	TEMPH		STOR	E A,C.		
2400	1500	SRO					
2401	0037	TEMPH					
2402	ØØ16	NOP					
2403	1020	LD4+20		/LOAD	1 A, C,		
2484	5252	5252					
2405	1440	SAE					
2406	8837	TEMPH			m	·	
2407	7979	HLT		/5R0	FAILED TO ROT	ATE PROPERLY	
	/SRO A	TEST					
2410	ØØ † 5	SET+204	15	/SET	15		
2411	0024	TEMPL			•		
2412	1020	LDA+20					
2413	5252	5252					
2414	1040	STA					
2415	0924	TEMPL		/STOR	E A.C.		
2416	1515	SR0+15	*				
2417	ØØ16	NOP					
2420	10 1 5	LDA 15					
2421	1460	SAC+20					
2422	2525	2525		4680	E1 50 20 005	7 6m 6manani'u	9
2423	ମପ୍ରପ	HLT		/5K0	FAILED TO ROT	ATE PROPERLY	Esia
2424	0072	SE7+20+	12	/SET	12		
2425	9937	TEMPH					
2426	1020	LDA+20					
2427	2525	2525					
2430	1040	STA					
2431	0037	TEMPH		/5 TOF	E A.C.		
2432	1512	SR0+12					
2433	0016	NOP					
2434	1012	LDA+12					
2435	1460	SAE+20					
2436	5252	5252 HLT		/CBA	FAILED TO ROT	ite Boapes v	F = 4 9
2437	9000	M L i		/ SNO	LATERD IO MOIS	AIE PRUPERLI	F=15
2440	2067	SET+20+	7	/SET	7		
2441	Ø Ø 24	TEMPL					
2442	1020	LDA+20					
2443	7777	7777					
2444	1040	STA		,	ie i int		
2445	0024	TEMPL		/STOP	E A', C'.		
2446	1507	SR0+7					
2447	0016	NOP LDA+7					
2450	1007	FD#4/			and the last		

/P5P=12

```
1153
                                                                               PAGE 1=26
PPP-12 CP TEST III MAINDEC-12-DOCB
                                       PAL10
                                                       15=007=71
                                               V141
                               SAE +20
          2451 1460
          2452 7777
                                7777
                                HLT
                                               ISRO FAILED TO ROTATE PROPERLY E=7
          2453 9000
                                               ISET 16
                               SET+20+16
         2454 0076
         2455 ØØ37
                               TEMPH
          2456 1020
                               LDA+20
          2457 0000
                               0000
          2460 1040
                               STA
                                               ISTORE ALC.
          2461 2037
                               TEMPH
         2462 1516
                               SR0+16
         2463 7016
                               NOP
          2464 1016
                               LDA+16
         2465
              1460
                               SAE+20
          2466 0000
                                0000
          2467 0000
                               HLP
                                               ISRO FAILED TO ROTATE PROPERLY E=16
                        VSRO I A AUTO INDEXING TEST
                                SE9+20+11
                                               /SET 11
         2470 0071
         2471 0023
                               TEMPL = 1
         2472 1020
                               LDA+20
         2473 5252
                                5252
          2474 1040
                               STA
         2475 0024
                                               ISTORE A.C.
                               TEMPL
          2476 1531
                               SR0+20+11
         2477 0016
                               NOP
          2500 1011
                               LDA 11
          2501
                                SAE+20
               1460
          2502
              2525
                                2525
                                               /SRO FAILED TO ROTATE PROPERLY E=11
          2503 0000
                               HLT
         2504 0066
                               SET+20+6
                                               ISET 6
          2505 0036
                               TEMPHOI
                               LDA+20
          2506 1020
          2507 2525
                                2525
         2510 1040
                                STA
                                               ISTORE A.C.
         2511 0037
                                PEMPH
          2512 1526
                                SR0+2046
          2513 0016
                                NOP
          2514 1006
                               LDA+6
          2515 1460
                                SAE+20
               5252
          2516
                                5252
         2517 9000
                                HLT
                                               ISRO FAILED TO ROTATE PROPERLY ENG
         2520 0073
                                               ISET 13
                               SET+20+13
          2521 0023
                               TEMPL=1
          2522 1020
                               LDA+20
         2523 7777
                                7777
         2524 1040
                                STA
                                               ISTORE A.C.
          2525 0024
                                TEMPL
          2526 1533
                                SR0+20+13
```

NOP

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/POP-12 CP TEST III MAINDEC-12-DECB
                                                       15-007-7I
                                                                       1153
                                                                                PAGE 1-27
                                       PAL10 V141
         2530 1013
                                LDA 13
         2531 1460
                                SAE+20
         2532 7777
                                7777
         2533 9090
                                UL T
                                                ISRO FAILED TO ROTATE PROPERLY EM13
                        ALDH I=1 B=0 TESTED IN PART 1
                        JLDH ALL MODE ADDRESSING TEST
                        ALDH IND BOO OPERAND ADDRESS IN THE NEXT ADDRESS
         2534 8011
                                CLR
         2535 1300
                                LDH
                                                /LOAD A.C. WITH LEFT HALF
         2536 7025
                                3025
         2537 1180
                                ADA
         2540 0026
                                7026
                                                /ADD A CONSTANT
         2541 1460
                                SAE+20
         2542 7797
                                7777
                                                /LDH FAILED. A=7007 BE9707 AC=9797
         2543
                                HLT
               9999
         2544 0011
                                CLR
         2545 1300
                                LDH
                                                /LOAD A.C. WITH RIGHT HALF
         2546 4025
                                4025
         2547 1100
                                ADA
         2550 0027
                                0027
                                                /ADD A CONSTANT
         2551 1460
                                SAE+28
         2552 7797
                                7777
                                                /LDH FAILED. ASTOOP BETTTO ACSTTTT
         2553 9000
                                HLP
         2554 0011
                                CLR
         2555 1300
                                LDH
                                                /LOAD A.C. WITH LEFT HALF
         2556 0030
                                0030
         2557 1100
                                ADA
                                                /ADD A CONSTANT
         2560 0027
                                0027
         2561 1460
                                SAE+20
         2562 7797
                                7777
         2563 9000
                                                JLDH FAILED. ADDTTO 687770 AC87777
                                HLT
         2564 0011
                                CLR
         2565 1360
                                LDH
                                                /LOAD A.C. WITH RIGHT HALF
         2566 4030
                                4030
         2567 1100
                                ADA
         2570 0026
                                0026
                                                JADD A CONSTANT
         2571 1460
                                SAE+20
         2572 7777
                                7777
                                                /LDH FAILED. ASSTTS BESTES ACESTITE
         2573
              9000
                                HLT
         2574 0011
                                CLR
         2575 1300
                                LDH
         2576 0031
                                                /LOAD A.C. WITH LEFT HALF
                                0031
         2577 1100
                                ADA
         2600 0032
                                7032
                                                JADD A CONSTANT
                                SAE+20
         2601 1460
         2602 7777
                                7777
                                                /LOH FAILED, A#2552 B#9752 AC#9777
         2603 0000
                                HL?
         2604 0011
                                CLR
```

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15=007=71
                                                                       1153
                                    PAL10 V141
                                                                               PAGE 1=28
/PDP-12 CP TEST III MAINDEC-12-DZCB
                               LDH
         2605 1300
                                               /LOAD AC WITH RIGHT HALF
         2626 4031
                               4031
         2607 1100
                               ADA
                                               /ADD A CONSTANT
         2610 0033
                               2033
         2611 1460
                               SAE+20
         2612 7777
                               7797
                                               /LDH FAILED. AB2552 BB9725 ACE97777
         2613 9000
                               HLT
         2614 0011
                               CLR
         2615 1300
                               LDH
         2616 8025
                               0025
                                                       /LOAD A.C. WITH LEFT HALF
         2617 1100
                               ADA
                                                       /ADD A CONSTANT
         2620 8027
                               0027
         2621 1460
                               SAE-20
         2622 7777
                               7777
         2623 0456
                               SKP
                                                       /LDH ERROR! AETØRT BETTTO AC NOT 7777
         2624 7000
                               HLP
         2625 0011
                               CLR
         2626 1300
                               LDH
                                                       /LOAD A'C' WITH LEFT HALF
         2627 4025
                               4025
         2630 1100
                               ADA
         2631 0026
                                                       /ADD A CONSTANT
                               2026
         2632 1460
                               SAE+20
         2633 7797
                               7777
         2634 9496
                               SKP
         2635 0000
                               HLT
                                                       ALDH ERROR! Ambade Barbar AC NOT 9777
                       /LOH
                       ALDH IND BOX OPERAND ADDRESS IN B REGISTER
         2636 0011
                               CLR
         2637 0067
                               SE9+20-7
                                                       ISET 7
         2640 0025
                               0025
         2641 1307
                                                       /LOAD A.C.
                               LDH+9
         2642 1100
                               ADA
                                                       JADD A CONSTÂN?
         2643 ØØ26
                               0026
         2644 1460
                               SAE+20
         2645 7797
                               7777
                                                       /LDH FAILED. APTOOP BETTOT ACETTT
         2646 0000
                               HLP
         2647
               0011
                               CLR
         2650 0067
                                                       ISET 7
                               SE9+20-7
         2651 4025
                               4025
         2652 1307
                                                       /LOAD A.C.
                               LDH+9
         2653 1100
                               ADA
         2654 8027
                               0027
                                                       /ADD A CONSTÂNT
         2655 1460
                               SAE+20
         2656
               7777
                               7777
                                                       ALDH PAILED. ABTROT BETTTO ACETTTT
         2657
              ଅନ୍ତ୍ର
                               HLT
         2660 0011
                               CLR
         2661 8067
                                                       /SET 7
                               SET+20a7
```

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1193
                                                                                PAGE 1020
/PDP-12 CP TEST III MAINDEC-12-DOCB
                                        PAL18 V141
                                                       15-0CT-71
                                                        /LOAD A.C.
         2563 1307
                                LDH+7
         2664 1180
                                ADA
                                2027
                                                        JADD A CONSTANT
         2665 8027
                                SAE+20
         2666 1460
         2667 7777
                                7777
                                                        /LDH FAILED. A=0778 B=7778 ACET7777
         2670 0000
                                HLF
         2671 3011
                                CLR
         2672 8867
                                SE 9 + 20 + 7
                                                        ISET 7
         2673 4030
                                4030
                                                        /LOAD A.C.
         2674 1377
                                LDH+7
         2675 1100
                                ADA
         2676 7026
                                0026
                                                        /ADD & CONSTÂNS
         2677 1460
                                SAE+20
                                7777
         2700 7777
                                                        /LDH FAILED'. APROPTO BEFTOT ACETTT
         2701 0000
                                HLT
                        /LDH Ist Bed
                        ALDH IST BOO OPERAND IS IN THE NEXT LOCATION
         2702 0011
                                CLR
         2703 1320
                                LDH+20
                                                        /LOAD THE A'.C'.
         2704 7007
                                7007
         2705 1100
                                ADA
                                0026
                                                        /ADD A CONSTÂNT
         2706 0026
         2707 1460
                                SAE+20
         2710 7797
                                7777
                                                        ALDH PAILED ABPART BETTAT ACETTT
         2711 9000
                                HLT
         2712 ØØI1
                                CLR
         2713 1320
                                LDH+20
         2714 0770
                                                        /LOAD THE A.C.
                                0770
         2715 1100
                                ADA
                                                        /ADD A CONSTÂNT
                                0027
         2716 0027
         2717 1460
                                SAE+28
         2720 7777
                                7777
                                                        /LDH FAILED ABBOOD BODDO ACETTOD
         2721 9000
                                HLT
         2722 ØØ11
                                CLR
         2723 1320
                               LDH+20
                                                        /LOAD THE A.C.
         2724 2552
                                2552
         2725 1100
                                ADA
         2726 0032
                                0032
                                                        JADD A CONSTÂNS
         2727 1460
                                SAE+20
         2730 7797
                                7777
                                                        /LDH FAILED AB2592 BB7952 ACB7779
         2731 9000
                                HLT
         2732 ØØ11
                                CLR
         2733 1320
                                LDH+28
                                                        /LOAD THE A.C.
         2734 5225
                                5225
         2735 1100
                                ADA
         2736 0033
                                0033
                                                        /ADD A CONSTÂNT
                                SAE+20
         2737 1460
         2740 7797
                                9797
         2741 9000
                                HLT
                                                        /LDH PAILED As5252 B=7725 ACS7777
```

PPP-12 CP TEST	III MAÎNDEC-ÎZ	0008 PAU10 V14	1 1	5=0CT=71	1193	PAGE	1 = 3 B
2742	ØØ11	CLR					
2743	1320	LDH+20	/	LOAD THE A.C.			
2744	2770	2770					
2745	1100	ADA					
2746	ØØ32	0032	/	ADD A CONSTANT			
2747	1460	SAE+2Ø					
2750	7797	アフラフ					
2751	Ø456	SKP					
2752	ଜନ୍ଧ୍	HLT	/	LDH ERROR' ABO	770 8=77	SZ AC	NOT 7777
2753	ØØ11	CLR					
2754	1320	LDH+20	/	LOAD THE A'.C'.			
2755	2552	2552					
2756	1100	ADA					
2757	0031	ØØ31	/	ADD A CONSTÂN?			
2760	1460	SAE+20					
2761	7777	7777					
2762	0456	SKP					
2763	8888	HLT	/	'LDH ERROR', Ã#Ž!	552 BB25	SZ AÇ	NOT 7777
	FLDH Int	. BWX . BWX OPERAND AÖDRES	55 =1 I	S IN THE B REG	ister		
2764	0011	CLR					
2765	0067	SE9+20+7	/	SET 7			
2766	4030	4030					
2767	1327	LDH+28+7	/	LOAD A'.C'.			
2770	1100	ADA					
277 <u>1</u> 277 2	0032	0032	/	ADD A CONSTÂNT			
2773	1460 7797	5AE+2Ø 7777					
2774	0000	HLT	,	LOH FAILED AB2	582 BB798	19 AC	7777 Ba9
	-		•	Mach Luther Carrie	J 5 5 7 7 2	,	, , , , , , , , , , , , , , , , , , , ,
2775	0011	CLR			. # A A # A . A .		
2776	1327	LDH+2037	/	LOAD A'C', HITH	OTHER H	1LF	
2777	1100	ADA	,	ADD A CONSTÂNT			
3000 3001	0933 1460	0033 SAE+20	,	ADD A CONSTANT			
3002	7797	7777					
3003	9898	HLT	/	LDH FAILED ABS	592 B=792	5 ACE	7777 Ba7
3004	0011	CLR					
3005	ØØ67	SET+20+7	/	SET 7			
3006	4024	4024	·				
·	1327	LDH+20+7	/	LOAD A.C.			
3010	1100	ADA					
3011	ØØ26	0026	/	ADD A CONSTÂNT			
	1460	SAE+20					
3013	7777	7777					
3014	7000	HLT	/	LOH FAILED AEPI	007 B8770	D/ AC	77/7 897
3015	0011	CLR				_	
3016	1327	LDH+2Ø37	/	LOAD A.C. WITH	OPHER H	ALF.	

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/POP-12 CP TEST !!! MAINDEC-12-DØCB PALIØ V141 15-007-71
                                                                       1193 PAGE 1=31
         3017 1100
                               ADA
                                                       JADO A CONSTANT
                               0027
         3020 0027
                               SAE +20
         3021 1460
         3022 7777
                               7777
                                                       /LDH FAILED Astrony Batton ACETTTO Bat
         3023 9000
                               HLT
         3024 0011
                               CLR
                                                       /SET 17
         3025 9077
                               SE9+20+17
         3026 4024
                               4824
                               LDH+20a17
                                                       /LOAD A.C.
         3027 1357
                               ADÁ
         3030 1100
                                                       /ADD A CONSTÂNT
                               0026
          3031 0026
                               SAE+20
          3032 1460
                               7797
         3033 7777
                                                       ALDH FAILED ABPOOT BETTOT ACETTT BETT
                               HLP
         3034 9090
         3035 0011
                               CLR
                                                       /LOAD A'.C'. WITH OTHER HALF
         3036 1337
                               LDH+20-17
         3037 1100
                               ADA
                                                       JADD A CONSTÂNT
                               0027
         3040 0027
         3041 1460
                               SAE+20
         3042 7777
                               7777
                                                       ALDH FAILED ABPORT BETTO ACETTTE BETT
         3043 9000
                               HLT
                               CLR
         3044 0011
                                                       ISET 7
                               SE 9+20-7
         3045 0067
         3046
               4024
                               4924
                                                       /LOAD A'C'.
         3047 1327
                               LDH+20+7
         3050 1100
                               ADA
                                                       JADD A CONSTÂNT
         3051 0030
                               0030
         3052 1460
                               SAE+20
                               7777
          3053
               7797
         3054
                               SKP
               9456
                                                       /LDH ERROR! Aspady Badfid AC NOT 7777 Baf
         3055 0000
                               HLT
         3056 0011
                               CLR
                                                       /LOAD A'C' WITH OTHER HALF
          3057 1327
                               LDH+20+7
                               ADA
         3060 1100
          3061 5030
                               0030
                                                       /ADD A CONSTÂNT
                               SAE+20
          3062 1460
          3063 7777
                               7797
                               SKP
         3064 7456
                               HLP
                                                       /LDH ERROR! Aspent Bagfor AC NOT 7777 Baf
         3065 7000
                       ISTH IND BUD
                       VSTH IND BOD OPERAND ADDRESS IS IN THE NEXT LOCATION
                       /A=REGISTER BEFORE OPERATION
                       /B=A'C' BEFORE OPERATION
                       CREGISTER AFTER OPERATION
                       DERIGHT OR LEFT HALF OF THE ADDRESS TO BE CHANGED
                       JERADDRESS OF OPERATION
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PPP-12 CP TEST	III MAINDEC-12-	0000	PAL16	V141	15-007-71	1193	PAGE 1=32
3066	0011	CLR					
3Ø67	2067	SE 9+20+	7		ISET 7		
3070	2525	2525					
3071	1300	LDH					
3072	8025	ØØ25			/LOAD A.C.		
3073	1340	STH					
3074	4007	4007			/STORE IT IN RI	GHT HALF	
3075	ØØ11	CLR					
3076	1390	LDH					
3077	4007	4007			/LOAD A.C.		
3100	1100	ADA					
3101	ØØ26	0026			/ADD A CONSTÂNT	'	
3102	1460	SAE+20					
3103	7777	7777			ARRIVERATION L		8
3104	7272	HL P			/STH FAILED. AB	Z2Z2 B#	8070 C=2570 DeR E=9
3105	0011	CLR					
3106	1300	LDH					
3107	Ø Ø Ø 7	Ø Ø Ø7			/LOAD AC WITH O	THER HA	ĽF.
3110	1100	ADA					
3111	0032	0035					
3112	1460	SAE+20			/ADD A CONSTÂNT	•	
3113	7777	7777				ورجب المؤرر مسا	· =
3114	5000	HL T			/STH MODIFIED W	RONG HAI	LF
3115	00I1	CLR					
3116	Ø Ø 6 7	SE9+206	7		ISET 7		
3117	2525	2525					
3120	1300	LDH					
3121	0025	0025			/LOAD A',C',		
3122	1340	STH					
3123	0007	0007			STORE IN LEFT	HALP	
3124	ØØI1	CLR					
3125	1300	LDH_					
3126	0007	0007			/LOAD A'.C'.		
3127	1100	ADA					
3130	7026	ØØ26			4185 4 6010 ATUS		
3131	1460	SAE+20			/ADD A CONSTÂNS		
3132	7777	7777			ACTU MARITMA AL	0808 m-1	8070 C87025 Dal Es9
3133	ØØØ	HLT			/SIM FAILED, AS	(4040 BB)	ONIN CHINSO DEL FEL
3134	ØØĨ1	CLR					
		PDH .					
3136	4007	4007			/LOAD AC WITH O	THER HA	' F
3137	1100	ADA				recommended to the second	·
3140	ØØ32	0032			JADD A CONSTÂNT	ı	
3141	1460	SAE+20			, 2 2		
3142	7777	7777					
3143	ଜ୍ଞନ	HLT			/STH MODIFIED W	RONG HA	LF
3144	Ø Ø 11	CLR					
3145	0067	SET+20+	7		SET 7		
3146	777.7	7777					
3147	1300	LDH					

/PDP-12 CF TEST	III MAINDEC-12:	DOCB PAL10 V141	15-007-71 1153 PAGE 1:33
3150	0023	0023	/LOAD IN LEFT HALF
3151	1340	STH	
3152	4007	4007	/STORE IT
3153	9011	CLR	
3154	1300	LDH	
3155	4007	4007	/LOAD A'.C'.
3156	1100	ADA	y war in the second sec
3157	0033	0033	/ADD A CONSTÂNT
3160	1460	SAE+20	LWAR W MAISTINES
3161	7777	7777	
3162	7000	HLT	/STH PAILED ABP777 Baggs Ca7752 Dar Eaf
			Agril twifth WELLAL Banaba callor par fall
3163	70 1 1	CLR	
3164	1300	LOH	
3165	0007	0007	/LOAD AC
3166	1100	ADA	
3167	0034	6034	/ADD A CONSTÂNT
3170	1460	SAE+20	to the many of the state of the
3171	7777	7797	
3172	7000	HLT	/STH MODIFIED WRONG HALF
			And Habit ten audio usel
3173	0011	CLR	
3174	0067	SE9+2027	/SET 7
3175	7777	ラララフ	
3176	1300	LDH	
3177	0023	0023	/LOAD A'.C'.
3200	1340	STH	
3201	0007	0007	STORE IN L'EPT HALP
3202	88 1 1	CLR	SAIM # 14 PPL Maple
3203	1300	LDA	
3204			/LOAD A'.C'.
	0007	0007	APAN Wint
3205	1100	ADA	4480 4 GAMOSTIO
3206	0033	0033	/ADD A CONSTÂN?
3207	1460	SAE+20	
3210	7777	7777	
3211	9 9 6 8	HLT	/STH FAILED Ampror Bedd52 Cm5277 Del Emr
3212	0011	CLR	
3213	1300	LDH	
3214	4007	4007	/LOAD RIGHT HAL'É
3215	1100	ADA	र खरलग (१६४) । । सक्षा
3216	3034	0034	/ADD A CONSŤĂNT
		SAE+2Ø	AND W COMPOUND
3217	1460	SALTEN	
3220		7777	ACTU MARIETE MARNE UNITE
3221	8888	HLT	/STH MODIFIED WRONG HALF
3222	ल क वें 1	CLR	
3223		SET+20+7	/SET 7
			/ who i /
3224	2525	2525	
3225		LDH	AL MAR MARKET CALLE
3226		4025	/LOAD RIGHT HALF
	1340	STH	ABABA ABA BU ABA ABAYA
3230		4007	STORE IT IN THE RIGHT HALF
3231	8011	CLR	
Marketon .			

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/POP-12 CP TEST III MA NOEC-12-DOCE
                                          PAL10
                                                                            1153
                                                                                    PAGE 1=34
                                                  V141
                                                           15-007-71
          3232 1300
                                 LOH
          3233 4007
                                 4007
                                                          /LOAD AC FROM RIGHT HALF
          3234
               1100
                                  ADA
          3235
               2027
                                  0027
                                                           /ADD A CONSTÂNT
          3236
               1460
                                  SAE+20
          3237
                7777
                                 7777
          3240
                9000
                                  HLT
                                                           /STH FAILED Am2525 B=0007 C=2525 D=R E=7
                         /STH IND BEX
                         ISTH IND BOX OPERAND ADDRESS IS IN THE B REGISTER
                0011
                                  CLR
          3241
                                                           ISET 7
          3242
                0067
                                  SET+20+7
          3243 4006
                                  4006
          3244
                0011
                                  CLR
          3245
               2066
                                 SE 9+20+6
                                                           /SET 6
          3246
                7797
                                  クラクフ
          3247
                1300
                                  LDH
          3250
                                  4025
                                                           /LOAD A'C' WITH RIGHT HALF
               4025
          3251
                                  STH+9
               1347
                                                           ISTORE IT
          3252
               0011
                                  CLR
          3253
               1300
                                  LOH
                                                           /LOAD FROM RIGHT HALF
          3254
                4006
                                  4006
          3255
                1100
                                  ADA
          3256
                0027
                                  0027
                                                           /ADD A CONSTÂNT
          3257
                                 SAR+20
                1460
          3260
                7797
                                  9797
                                                           ISTH FAILED Amping Buddor Carror Dan Eme. 7
          3261
                9999
                                  HLT
          3262
                0011
                                  CLR
          3263 1300
                                 LDH
          3264 0006
                                                           /LOAD A', C'. FROM L'EPT HALP
                                  0006
          3265 1100
                                  ADA
          3266
                2234
                                  0034
                                                           JADD & CONSTANT
          3267
                1460
                                  SAE+20
          3270
                7797
                                 7797
          3271
                0000
                                                           ISTH MODIFIED WRONG HALF
                                  HLT
          3272
                0011
                                  CLR
          3273
                                                           ISET 7
                0067
                                  SEP+20a7
          3274
                0006
                                  0006
          3275
                0011
                                  CLR
          3276
                7066
                                 SE9+20+6
                                                           ISET 6
          3277
                7797
                                 7777
          3300
                1300
                                 LDH
          3301
                4025
                                  4025
                                                           /LOAD RIGHT HALF INTO THE A'C'.
          3302
                1347
                                                           ISTORE IT
                                  STH+9
          3303
                0011
                                  CLR
          3304
                1300
                                 LDH
          3305
                0006
                                                          VLOAD LEFT HALP INTO THE ALC.
                                  0006
          3306
                1100
                                  ADA
          3307
                7027
                                  0027
                                                           JADD A CONSTANT
          3310
                1460
                                 SAE+20
               7777
          3311
                                 7797
```

ISTH FAILED ASPITT BEODOT CEOTITY DEL EEG. 7

3312 8888

HLT

3313	0011	CLR	
3314	1300	LDH	
3315	4006	4006	/LOAD RIGHT HALF INTO THE A.C.
			APONO WIGHT SWEL TWIC . WE WIRE!
3316	1100	ADA	AABM A MALIMÄÄLIÄ
3317	C D 3 4	0034	/ADD A CONSTÂNT
3320	1460	SAE+20	
3321	ファ ファ	7777	
3322	9999	HLT	/STH MODIFIED WRONG HALF
3323	ØØ 1 1	CLR	
3324	ØØ67	3E9+2047	/SET 7
3325	4906	4006	, 64.1
3326		= <u>-</u> -	
	0011	CLR	4085 4
3327	M 0 6 6	SE 9 + 2 Ø ± 6	/SET 6
3330	7777	7797	
3331	1300	LDH	
2225	4031	4031	/LOAD RIGHT HALF INTO THE A'C',
3333	1347	STH+7	/STORE IT
3334	0011	CLR	
3335	1300	LDM	
3336	4006	4006	/LOAD A'.C'.
3337	1100	ADA	, which is the first the second of the secon
3340	0033	0033	/ADD & CONSTÂNT
3341	1468	SAE+20	Lung W Mottolwid.
	- · · <u></u>	7797	
3342	7797		/STH FAILED Asprit Badds2 Corrs2 Der End.9
3343	0000	HLT	/SIM FAILED AST/// SEDUSIC CS//DE DER ESG!/
3344	0011	CLR	
3345	1300	LDH	
3346	0006	0006	/LOAD OTHER HALF INTO THE A.C.
3347	1100	ADÁ	kompanie u tilmin tiventi sinta iliam neses
3350	0034	2034	/ADD A CONSTÂNT
3351		SAE+20	PACO A CONSTANT
	1460		
3352	7777	7777	ARRIL MANERSON HONNIN IIII'A
3353	ଜ୍ୟନ	HLT	/STH MODIFTED WRONG HALF
3354	0011	CLR	
3355	8 8 67	SE9+2047	/SET 7
3356	0006	0006	
3357	ØØ11	CLR	
3360	ØØ66	3ET+20+6	/SET 6
3361	7777	9797	, m = (w
3362	1300	ĹĎĤ	
3363	4031	4031	ALOAD RIGHT HAL'F INTO THE A.C.
3364	1347	51H+7	STORE A'.C'.
3365	0011	CLR	
3366	1300	LDH	A A A HALLE NA B
3367	0006	9096	/LOAD HALF WORD
3370	1100	ADA	
3371	7033	0 0 33	/ADD A CONSTÂN?
3372	1460	3 A C + 2 Ø	
3373	7777	7797	
3374	ଜ୍ଞନ୍ତ	HLT	/STH FAILED A#9777 8=0052 C#5277 Dal E#6,7

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15=007=71 1153 PAGE 1=36
/PDP=12 CP TEST III MAINDEC-12-DOCB PALID V141
         3375 0011
                               CLR
         3376 1300
                              LDH
                                                      /LOAD AC
         3377 4006
                               4006
         3400 1100
                               ADA
                                                      JADD A CONSTANT
                               0034
         3401 0034
                               SAE+20
         3402 1460
                               7777
         3403 7777
                                                      ISTH MODIFIED WRONG HALF
                               HLT
         3404 0000
                       /ADM I=Ø B=Ø
                       VADM 1=0 B=0 OPERAND ADDRESS IS IN THE NEXT LOCATION
         3405 0011
                               CLR
         3406 1040
                               STA
                                                      /STORE A'.C'. IN 7
         3407 0007
                               0007
         3410 1140
                               ADM
                                                      /LOAD A.C. FROM 7
                               0007
         3411 0007
                               SAE+20
         3412 1460
         3413 0000
                               0000
                                                      /ADM FAILED ADDOOD BEDDOOD ENT
         3414 7000
                                                      /FLO FAILES FLOST
         3415 0494
                               FL0+20
         3416 0000
                               HLP
         3417 0011
                               CLR
         3420 0017
                               COM
         3421 1040
                               STA
                                                      ISTORE A'C' IN 7
         3422 0007
                               0007
         3423 1140
                               ADM
                                                      /LOAD A'.C', FROM 9
         3424 0007
                               0007
         3425 1460
                               SAE+20
         3426 7777
                               9797
                                                      JADM FAILED As97777 BSØØØØ CS7777 ES7
         3427 0000
                               HLT
         3430 0011
                               CLR
         3431 0067
                               SET+20+7
                                                      /SET 7 to 2525
         3432 2525
                               2525
         3433 1020
                               LDA+20
                                                      /LOAD A.C. WITH 9252
         3434 5252
                               5252
         3435 1140
                               MOA
         3436 0007
                               0007
                                                      /ADM 7 TO THE A.C.
         3437 1460
                               SAE+20
         3440 7777
                               7797
                                                      /ADM FAILED A 2525 B 5252 C 7777 E 7
         3441 7000
                               HLT
         3442 0011
                               CLR
         3443 7067
                               SE 9 + 20 47
                                                      /SET 7 TO 7777
         3444 7777
                               7797
                                                      /LOAD A.C. WITH 7
         3445 1020
                               LDA+20
         3446 0001
                               0001
         3447 1140
                               ADM
```

/ADM A.C. PROM 7

3450 0007

3451 0492

2007

LZE

PPP-12 CP TEST	III MAINDEC-12-	DØCB PA	10 V141	15=007=71 1163 PAGE 1=39
3452	Ø Ø Ø Ø	HLT		/ADM CHANGED LINK
3453	1460	SAE+20		والمامية الماميدية الماميدية المعادية الماميدية الماميدية الماميدية
3454	0001	0021		
3455	7000 7000	HLT		/ADM FAILED AC SHOULD * 2001
0423	***************************************	751		two thinks we auders a spor
3456	0011	CLR		
3457	0067	SE9+20+7		/SET 7 TO 2525
3460		2525		,
3461	1020	LDA+20		
3462	5253	5253		/LOAD A'C' WÎTH 5253
3463	1140	ADM		
3464	0007	0007		/ADM A.C. PROM 7
3465	0452	LZE		
3466	2 5 50	HLP		/ADM CHANGED LINK
3467	1460	SAE+20		
3470	0001	2 0 31		
3471	ମପ୍ରପ୍ର	HLT		/ADM FAILED A82525 885253 C80001 E87
		-		
3472	0011	CLR		
3473	1020	LDA+20		
3474	4000	4000		
3475	Ø261	ROL -20-1		/set the Link
3476	8452	LZE		
3477	Ø456	SKP		
3500	8888	HLT		/ROL FAILED LINK & D
3501	ØØ67	SET+2Øà7		
3502	7777	7777		/SET 7 to 9777
3503 3504	1929	LDA+20		/LOAD A'.C'. WITH I
35Ø5	0001 1140	0001 ADM		/LUMU Mate Mith 1
3506	2027	8987		/ADM A'C' FROM 7
3507	2452	LEE.		PAUR AIG FROM /
3510	Ø456	SKP		
3511	043G	HLP		/ADM CHANGED LINK
3512	1460	SAE+20		FREE STRINGER STRIN
3513	0001	0001		
3514	0000	HLT		/ADM FAILES ABP777 BESSS1 CESSS1 ES7
				The transfer of the transfer o
3515	8811	CLR		
3516	1020	LDA+20		
3517	0001	0001		
3520	0321	ROR+20+1		SET LINK
3521		LZE		
3522	Ø456	SKP		
3523	7000	HLT		/ROR FAILED Lag
3524	2067	SE9+20+7		/SET 7 WITH 5252
3525	5252	5252		· · · · · · · · · · · · · · · · · · ·
3526	1020	LDA+20		
3527	5252	5252		/LOAD A.C. WITH 5252
3530	1140	ADM		•
3531	0007	0007		/ADM A,C. PROM 7
3532	8452	136		•
3533	Ø456	SKP		
3534	0000	HLT		/ADM CHANGED LĪNK L'HĪ

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15-00T-71
                                                                         1193
                                                                                 PAGE 1=38
7POP-12 CP TEST III MAINDECHIZ-DOCB PALIO
                                                V141
          3535 1460
                                54E+20
          3536 2525
                                2525
                                                        /ADM FAILED AF8252 B=5252 Cm E=7
          3537 9000
                                HLT
          3540 2454
                                                        /FLO FAILED FLOST
                                FLO
          3541 2000
                                HLT
                        /ADM I=Ø BEX
                        /ADM I = Ø BEX OPERAND ADDRESS IS IN THE B REGISTER
          3542 7011
                                CLR
                                                        JSET 6 WITH 7797
          3543 2066
                                SET+20+6
          3544 7777
                                7777
          3545 7067
                                SET + 20 + 7
                                                        ISET 7 WITH 0006
          3546 9096
                                0006
          3547 1020
                                LDA+20
                                                        /LOAD A', C', WITH I
          3550 0001
                                0001
                                                         JADM A.C. WITH INDIRECT 7
          3551 1147
                                ADM+7
          3552 1460
                                SAE+20
          3553 0001
                                0001
          3554 0000
                                HLT
                                                         JADM FAILED
          3555 1000
                                LDA
                                                         /LOAD A', C', WITH THE VALUE OF 6
          3556 0006
                                0006
          3557 1460
                                SAE+20
          3560 0001
                                0001
                                HLT
                                                         /ADM FAILED ARPTTT BEGROOT CEGOOT EEG. 7
          3561 0000
                                CLR
          3562 0011
                                                         /SET 6 WITH 2525
          3563 7066
                                SET + 20 + 6
          3564 2525
                                2525
          3565 0067
                                SE9+20+7
                                                         JSET 7 WITH 0006
          3566 0006
                                0006
          3567 1020
                                LDA+20
                                                         /LOAD A', C', WITH 5253
          3570 5253
                                5253
          3571 1147
                                ADMAT
                                SAE+20
          3572 146Ø
          3573 0001
                                0001
                                                         /ADM A'C' FROM 7 INDIRECT
                                HLT
                                                         /ADM FAILED Am2525 Bm5253 Cm0001 Em6.7
          3574 7070
          3575 0011
                                CLR
          3576 1020
                                LDA+20
          3577 4000
                                4000
          3600 0261
                                                         /SET LINK
                                ROL + 20 + 1
          3601 0452
                                LZE
          3602 7456
                                SKP
          3603 0000
                                HLT
                                                         IROL PAILED LED
          3604 0066
                                SE 9+20+6
                                                         JSET 6 WITH 7797
          3605 7777
                                7777
          3606 0067
                                SET+20+7
                                                         JSET 7 WITH 0006
          3607 0006
                                0006
          3610 1020
                                LDA+20
          3611 0001
                                                         /LOAD A'C' WITH I
                                0001
          3612 1147
                                ADM+7
                                                        /ADM A.C. FROM 7 INDIRECT
          3613 9452
                                LZE
```

SKP

```
1153
PSP=12 CP TEST III MAINDEC-12-DØCB
                                        PAL10
                                               V141
                                                        15-007-71
                                                                                PAGE 1-39
                                HLT
                                                        JADM CHANGED LINK LEG
          3615 0000
          3616 1460
                                SAE+20
          3617 0001
                                2021
                                                        JADM FAILED
          3620 0000
                                HLT
          3621 1000
                                LDA
          3622 0006
                                2006
                                                        /LOAD A'.C', WITH VALUE OF 6
          3623 1460
                                SAE+20
          3624 0001
                                C001
          3625 0000
                                HLT
                                                        JADM FAILED ARTTT BRODDI CEDODI ERG.7
                        /ADM Is1 BOD
                        VADM IST BED OPERAND IS IN THE NEXT LOCATION
          3626 0011
                                CLR
          3627 1020
                                LDA+20
                                                        /LOAD A.C. WITH I
          3630 0001
                                0001
          3631 1040
                                STA
                                        . . 4
          3632 3636
                                                        ISTORE IT
          3633 1020
                                LDA+20
          3634 7776
                                                        /LOAD A.C. WITH 7776
                                7796
          3635 1160
                                ADM+28
                                                        /ADM A.C. WITH NEXT LOCATION
          3636 0001
                                0001
          3637 1460
                                SAE+20
          3640 7797
                                7797
                                HLT
                                                        /ADM FAILED Astron Badads Carry
         3641 7000
          3642 1000
                                LDA
                                . - 9
         3643 3636
                                                        JGET VALUE OF ADM
                                SAE+20
          3644 1460
          3645 7777
                                7797
                                HLP
          3646 7000
                                                        JADM PAILED TO CHANGE DATA
         3647 0011
                                CLR
          3650 1020
                                LDA+20
                                                        /LOAD A.C. WITH I
          3651 0001
                                0001
          3652 1940
                                STA
                                                        ISTORE 19
          3653 3657
                                        . . 4
          3654 1020
                                LDA+28
                                                        /LOAD A.C. WITH 9797
          3655 7777
                                9997
          3656 1160
                                ADM+20
                                                        /ADM A.C. WITH NEXT LOCATION
          3657 0001
                                0001
                                SAE+20
          3660 1460
          3661 7971
                                2001
                                                        /ADM FAILED AEP777 BEDØDI CEDODI
          3662 0000
                                HLT
                                LDA
         3663 1000
                                . . . 9
                                                        /GET THE VALUE OF THE ADM
         3664 3657
                                SAE+20
          3665 1460
          3666 0001
                                0001
                                HLP
                                                        /ADM FAILED
          3667 7000
                                CLR
          3670 3011
          3671 1020
                                LOA+20
          3672 5253
                                5293
                                                        /LOAD A.C. WITH 9253
```

POP-12 CP TEST	III MA: DEC-12-	DØCB	PAL10	V141	15-0CT-71	1153	PAGE 1-48
3673	1040	STA					
		₩ ; M	, • 4		/C700C +9		
	3700		, 9 4)		ISTORE IT		
	1020	FD4+50					
	2525	2525			/LOAD A.C. WITH	2525	
3677	1160	ADM+2Ø			/ADM A.C. WITH	NEXT LOC.	ATION
3700	5253	5253					
3701	1460	SAE+20					
3702	2001	0001					
3703	0000	HLT			/ADM FAILED AB2	525 B=52	53 C=0001
3704	1000	LDA					
3705	3700	, = 5			/GET VALUE OF A	MO	
3706	1460	SAE+20					
3727	2001	0001					
3710	7000	HLT			JADM PAILED		
J, 1, 1, 1		∵Mage!			Andii Leifen		
3711	2011	CLR					
3712	1020	LDA+20			/LOAD A'.C'.		
3713	2525	2525					
3714	1040	STA					
3715	3721	G I M	·A		STORE IT		
3/13 7744		104.97	. • 4				
3716	1020	LDA+20			/LOAD A.C.		
3717	5252	5252				المانسان الساعات	
3720	1160	ADM+20			/ADM A,C', WITH	THE NEXT	LOCATION
3721	2525	2525					
3722	1460	SAE+20					
3723	プララフ	7797					
3724	ସହସହ	HLT			/ADM FAILED AND	292 B=29	25 C=7777
3725	1000	LDA					
3726	3721	. e 5			/GET VALUE OF A	DĤ	
3727	1460	SAE+20					
3730	7777	7777					
3731	ମ ପ୍ର ପ୍ର	HLP			JADM FAILED		
_					The state of the s		
3732	ØØ11	CLR					
3733	1020	LDA+20			/LOAD A'.C'.		
3734	2526	2526					
3735	1040	STA					
3736	3742		, +4		STORE IT		
3737	1020	LDA+20	•		· · · · · ·		
3740	5252	5252			/LOAD A.C. WITH	5252	
3741	1160	ADM+20			/ADM A.C. WITH	PÚE NEYP	LOCATION
3742	2526	2526			генны ма⊌а ма∶п	DOM: NO.	POANITAL
3743	1460	SAE+20					
3744	0001	0001					
3745	7000	HLT			/ADM FAILED A=5	252 B=25	26 5=0001
3746	1000	LDA					
3747	3742	. e5			/GET VALUE OF A	niii	
3750	1460	SAE+20			FULL FALUE OF A	D.C.	
3751							
	0001	0001			4484 Bi		
3752	2000 2000	HLT			/ADM PAILED		

/ADM I=1 BEX

```
/ADM I'm1 BEX OFERAND ADDRESS #1 IS IN THE & REGISTER
3753 2011
                      CLR
3754 2267
                      SE9+20+7
                                               ISET 7 WITH DOOS
3755 0005
                      0005
3756 8866
                      SE7+20+6
                                               ISET 6 WITH 7796
3757 7776
                      7776
                                               /LOAD A.C.
3760 1020
                      LDA+20
3761 2021
                      0001
3762 1167
                                               /ADM A.C. WITH 7 INDIRECT
                      ADM+20-7
3763 1460
                      SAE+20
3764 7777
                      7777
3765 9990
                      HLP
                                               /ADM PAILED AB9776 BEDØØSI CE7777 Es6.7
3766 1000
                      LDA
3767 3006
                      0006
                                               /LOAD A'C' WITH THE VALUE OF 6
3770 1460
                      SAE+20
3771 7797
                      7777
3772 4040
                      HLT
                                               JADM FAILED
3773 Ø642
                      LDP+2
3774 8682
                      LIP+2
                                               /CHANGE TO NEXT CELL
3775 6200
                      JMP+200
      4000
              44000
4000 7402
                      7402
                                               /SHOULD NEVER
4001
     9999
                      0000
4002 7402
                      9482
                                               VEXECUTE THESE HALPS
              #402B
      4020
                                               /INCORRECT STARTING ADDRESS
                      HLT
4020 0000
                      MML
                                               /HANG HERE
4021 6021
                              21
4022 7777
                      9797
4023 5252
                      5252
4024 0000
                      5000
4025 7007
                      7007
4026 7707
                      7727
                      7770
4027 7770
4030 0770
                      0770
4031 2552
                      2592
4032 7752
                      7752
4033 7725
                      7725
4034 7700
                      7700
4035
     7000
                      0000
4036 2525
                      2525
4037 3000
                      0000
4040
                      0000
                                               /HALT - LINC INTERRUPT
      0000
                                               VEAILED TO INTERPUTT TO CELL OF
4041
     0000
                      5020
      4140
              44148
```

PPP-12 CP TEST	III MAIN	DEC-12-DECB PALIS VI	41 15=007=71 1:53 PAGE 1=42
4140	ଷ୍ଟ୍ରଷ୍ଟ		/DID NOT
4141	2000	in the second second	TRAP PROPERLY
	4200	± 4 2 Ø ₹	
4200	0011	CLR	
4201	0067	SET+20+7	/SET 7 WITH 0016
4202	7016	0016	
4203	8877	SET+20+17	/SET 17 WITH 7776
4204	7776	7776	
4205	1020	LDA+20	
4206	0001	0001	/LOAD A',C',
4207	1167	ADM+20+7	/ADM A,C', WITH 7 INDIRECT
4210	1460	SAE+2Ø	
4211	7777	777 7	
4212	ØØØØ	HLT	/ADM FAILED A#7776 B#0001 C#7777 E#7,19
4213	1000	LDA	
4214	0017	ØØ17	/GET VALUE OF ADM
4215	1460	5 A E + 2 Ø	
4216	7777	7777	
4217	ភេទ្ ត	₩Ļ₹	/ADM FAILED
4220	ØØĪ1	CLR	
4221	0067	SE9+20+7	/SET 7 WITH 0016
4222	ØØ\$6	ØØ16	
4223	Ø Ø 97	SE 7 + 20 + 17	/SET 17 WITH 2525
4224	2525	2525	
4225	1020	LDA+2Ø	
4226	5252	5252	/LOAD A',C'
4227	1167	ADM+2017	/ADM A',C', WITH 7 INDIRECT
4230	1460	SAE+20	
4231	7777	7797	/ADM FAILED A#2525 B#5252 C#7777 E#7.17
4232	ଷ୍ଟ୍ର	HLP	/AUM FAILED AWEDED BRDEDE CE//// ET/,1/
4233	1000	LDA	
4234	0017	Ø 01 7	/GET VALUE OF ADM
4235	1450	SAE+20	
4236	7797	7777	
4237	ସହଣ୍ଡ	HLT	/ADM FAILED
4045	6624	el B	
4240	0011	CLR	2000年 - 11年度の 第4条と
4241	ØØ67	SET+20+7	/SET 7 WİTH ØØĪ6
4242	ØØ16	2016	JOSE JT HERN CACA
4243	7 97 7	SET+20+17	/SET 17 WITH 5252
4244	5252	5252 104.25	
	1020	LDA+20	AL MARLA" M"
	2526 1167	2526	/LOAD A'.C'.
	1460	ADM+2027 SAE+20	/ADM A.C. WITH 7 INDIRECT
4251	2001	5 A C 4 2 V	
4252	2020 ·	HLT	/ADM FAILED A#5252 B=2526 C#0001 E#7,17
76.76	សម្លេចមួ .	न ⊨ा	twoil twiffen Wanene Daenen cathor Editi.

LDA

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PPDP=12 CP TEST III MAINDEC=12-DBCB PALIS V141 15=0CT=71 1:53
                                                                             PAGE 1-43
         4254 0017
                               0017
                                                       JGET VALUE OF ADM
         4255 1460
                               SAE+20
         4256 0001
                               2021
         4257 2000
                               HLP
                                                       JADM FAILED
                       /LAM Is2 Be2
                       PLAM IND BED OPERAND ADDRESS IS IN THE NEXT LOCATION
         4260 0011
                               CLR
                               LDA+20
         4261 1020
         4262 4000
                               4000
                                                       /SET LINK
         4263 7261
                               ROL+2041
                               SET+2047
         4264 8067
         4265 6517
                                                       JSET 7 WITH 6517
                               6517
         4266 1020
                               LDA+20
         4267 3743
                               3743
                                                       /LOAD A.C. WITH 3743
         4270 1200
                               LAM
         4271 0007
                                                       /LAM 7
                               0007
                               SAE+20
         4272 1460
         4273 2463
                               2463
         4274 0000
                               HLT
                                                       PLAM FAILED AC SHOULD # 2463
         4275 2474
                               FL0+20
                                                       /PLO PAILED FLOST
         4276 0000
                               HLP
         4277 8452
                               LZE
         4300 0456
                               SKP
                               HLP
                                                       /LINK SHOULD # 1
         4301 0000
         4302 1000
                               LDA
                               0007
                                                       /GET VALUE OF 9
         4303 0007
         4384 1468
                               SAE+20
         4305 2463
                               2443
                                                       /LAM FAILED TO MODIFY LOCATION 7
         4306 0000
                               HLT
         4307 0011
                               CLR
                                                       /SET 7 WITH 5253
                               SE7+20+7
         4310 9067
         4311 5253
                               5293
                                                       /LOAD A.C. WITH 2525
         4312 1020
                               LDA+20
         4313 2525
                               2525
         4314 1200
                               LAM
                                                       /LAM 7
         4315 0007
                               8887
                               SAE+20
         4316 1468
                               0000
         4317
               0000
                                                       /LAM FAILED AC SHOULD BE 0000
                               HLT
         4320 0000
         4321 8452
                               LIE
         4322 2456
                               SKP
         4323 9000
                               HLP
                                                       /LINK SHOULD BE SET
         4324 1000
                               LDA
         4325 2007
                               0007
         4326 1460
                               SAE+20
                               2020
         4327 0000
         4330 0000
                               HLT
                                                       VLAM FAILED TO MODIFY CORRECT ADDRESS
```

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/POP-12 CP TEST III MAINDEC-12-DØCB
                                       PAL18 V141
                                                        15-007-71
                                                                        1193
                                                                                PAGE 1844
          4331 0011
                                CLa
         4332 1020
                                LDA+20
         4333 4000
                                4000
                                                        /SET LINK
         4334 8261
                                ROL + 20 + 1
         4335 8867
                                SET+20+7
         4336 5252
                                5252
                                                        /SET 7 WITH 5252
         4337 1020
                                LDA+20
         4340 5252
                                                        /LOAD A.C.
                                5252
         4341 1200
                               LAM
          4342 2007
                                                        /LAM 9
                                0007
         4343 1460
                               SAE+20
          4344 2525
                                2525
                                                        /LAM FAILED AC SHOULD BE 2525
         4345 0000
                                HLT
         4346 0472
                               LZE+20
          4347 0000
                                                        VLINK SHOULD # 0
                                HLT
         4350 1000
                                LDA
         4351 0007
                               0007
          4352 1460
                                SAE+20
                                                        /GET VALUE OF LAM
          4353 2525
                                2525
                                                        /LAM FAILED TO STORE DATA IN ADDRESS 7 PROPERLY
          4354 0000
                                HLT
          4355 0454
                                FLO
                                HLT
                                                        VFLO FAILED PLOST
          4356 0000
                                JMP
          4357 6420
                                        420
                                                        JGO TO THE NEXT TEST
                4400
                        #4400
                                HLT
                                                        /INCORRECT STARTING ADDRESS
          4400 0000
                                        401
                                                        /HANG HERE
          4401 6401
                                JMP
                4420
                        #442B
                        /LAM ISO BEX
                        /LAM IBD BEX OPERAND ADDRESS IS IN THE B REGISTER
          4420 0011
                                CLR
          4421 1020
                                LDA+20
          4422 4000
                                4000
                                                        SET LINK
          4423 Ø261
                                ROL + 20 41
          4424 0066
                               SE9+20+6
                                                        /SET 6 WITH 2525
          4425 2525
                                2525
          4426 9067
                                SET+2047
                                                        /SET 7 WITH 0006
          4427 0006
                               0006
          4430 1020
                               LDA+20
          4431 5252
                                                        /LOAD AC WITH 5252
                                5252
          4432 1207
                                                        /LAM 7
                               LAMPT
          4433 1460
                                SAE+20
          4434 0000
                                2020
         4435 0000
                                                        /LAM PAILED ÁC SHOULD BE ØØØØ
                                HLT
          4436 0452
                               FEE
         4437 0456
                                SKP
         4440 0000
                                HLT
                                                        /LINK FAILED LED
         4441 0011
                               CLR
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SE7+2006

/SET 6 WITH 2525

/PBP-12 CP TEST	III MAIN	DEC-12-Dace	PAL18	V141	15=0CT=71	1193	PAGE 1=45
4443	2525	2525					
4444	2067	SE ? + 20 +	· 7		/SET 7 WITH P	7006	
4445	7006	2026					
4446	1020	LDA+20			/LOAD AC		
6447	5252	5252					
4452	1207	LAM+7					
4451	0452	T 3 E					
4452	0000	HLT			NTINK SHOULD	# Ø	
4453	1460	SAE+20					
4454		7777				e a la de la della d	
4455	7600	HLT			/LAM FAILED A	IC SHOULD	BE 7777
4496	8011	CLR					
4457	1020	LDA+20					
4460	4000	4000					
6461	Ø261	ROL + 204			SET LINK		
4462	2066	SET+203	• 6		ISET 6 WITH	5251	
4463	5251	5251	•		1000 B 11890 A	* a a 4	
4464	7067	SET+20+	17		/SET 7 WITH 0	0000	
4465	7006	0006			4: AAN AA		
4466	1020	LDA+20			/LOAD AC		
4467	2525	2525					
4470 4471	1207 0452	LAM+7 Læe					
4472	0000	HL P			/LINK FAILED	m Ø	
	1460	SAE+20			APTION INTERN	# D	
4474	7777	7777					
4475		HLT			/LAM PAILED	AC SHOULD	êE 7777
		/LAM I=1 B=0 /LAM I=1 B=0 OP	PERAND IS	S IN THE	NEXT LOCATION		
4476	2011	CLR					
4477	1020	LDA+20			/LOAD AC WITH	4 0709	
4500	0707	0707					
4501	1040	STA			STORE AC		
4502	4506		. +6				
	1020	LDA+20			/LOAD AC HITH	4 7878	
4504	7070	7070			ALAM NEVE I'S		
4505	1220	LAM+20			/LAM NEXT L'O	CATION	
4506	2787 2432	0787 L 20					
4507		HLT			/LINK PAILED	l in 4	
451 <i>0</i> 4511	1460	SAE+20			LETMU LETECH	P. 4.	
4512	7777	7777					
4513	7000	HĹŤ			/LAM FAILED	ÁC SHOULD	BE 7777
4514	00 1 1	CLR					
4515	1020	LDA+2Ø			/LOAD AC WITH	H 8081	
4516	0001	2001					
4517	1040	STA			STORE AC		
4520	4524	- .	, +4		•		
4521	1020	LDA+20	-		/LOAD AC WITH	4 タブラア	
4522	7777	ラララフ			-perform.		
A Company of the Comp							

/PDP-12 CP TEST	III MANGEC-12:	DØCB PALI	Ø V141	15-0CT-71	1153 PAGE 1=46
4523	1220	LAM+20		/LAM NEXT LOCAT	'ION
4524	0001	8001		-	
4525	Ø452	L Z E			
4526	0456	SKP			
4527	ଅପ୍ର ପ୍ତ	HLT		ILINK FAILED LE	0
4530	1460	SAE+20			
4531	2000 3000	2020		ALAM BATIES IC	குப்துப்பு இ இர அதுஅத
4532	Ø Ø Ø Ø	HLT		YLAM PAILED AC	SMOOFD BE NAMA
4533	0011	CLR			
4534	1020	LDA * 20			
4535	4000	4000			
4536	0261	ROL +20+1		SET LINK	
4537	1020	LDA+20		ALOND AC MITH 5	251
	5251	5251		/07ADF 17	
4541 4542	1040	STA ,+4		/STORE IT	
	4546 1020	LDA+20		/LOAD AC WITH 2) E Š E
4544	2525	2525		APOND WO MILL T	. 3 ~ 3
	1220	LAM+20		/LAM NEXT LOCAT	TTON
	5251	5251) # m ()	• • • •
4547	Ø452	LZE			
4550	0000	HLT		/LINK FAILED LE	1
4551	1460	SAE+20			_
4552	7777	97 9 7			
4553	ଜ୍ଞାନ୍ତ	HLT		/LAM FAILED AC	SHOULD BE 7777
	ZLAM 15				
	/LAM I=:	1 BEX OPERAND	ADDRESS =1	IS IN THE B REC	DISTER
4554	0011	CLR			
4555	9Ø67	SET+20+7		/SET 7 WITH ODE	5
4556	0005	0005			
4557	0066	SE 7 + 20 = 6		/SET 6 WITH 777	77
	7777	7777			
4561	1020	LDA+20			
4562	0001	0001		4: 14 A F 119 C): 75	iim Theat
4563 4564	1227 Ø452	LAM+20a7		/LAM AC WITH 7	INDIRECT
	Ø456	SKP LZE			
4566	2000	HLT		ILINK FAILED LE	ı i
4567	1460	SAE+20		\ \alpha \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	•
4570		ପ୍ରସ୍ତ			
4571	0000	HLT		/LAM FAILED AC	SHOULD BE 0000 B=6.7
4572	1000	LDA		/LOAD AC WITH V	ALUE OF 6
4573	2006	ØØØ6			
4574	1460	SAE+20			
4575	<u>ଅପ୍ର</u>	@ Ø @ Ø			
4576	ଅଷଷଷ	HLT		/LAM FAILED 6=>	(XXX
4577	ØØ11	CLR			
4600	ØØ67	SE 9+20+7		/SET 7 WITH 001	16
4601	2016	0016		400m 40 Henry	r o é
4602	ମ୍ୟୁ	SE9+20+17		/SET 17 WITH 25	745

/PôP-12 CP TEST	III MAINDEC-IZ:	DØCB	PAL16	V141	15-007-71	1193	PAGE 1-47
4603	9595	9595					
4604	2525	2525			/LOAD AC WITH	数の前の	
4605	1020 5252	LDA+20 5252			ALOND WE WILL	2626	
4606	1227	LAM+20+	7		/LAM AC WITH :	7 THOTREC	•
4607	2452	LZE			A Marian Land Company of the Company	1.01.00	
4610	7000	HLP			/LINK FAILED !	_ * 1	
4611	1460	SAE+20				_	
4612	7777	7777					
4613	ភព្ ត	HLP			/LAM PAILED AT	C SHOULD	BE 7777 B=7,17
4614	1000	LDA			APOND W'C' MI.	TH VALUE	0F 17
4615	0017	ØØ \$ 7					
4616	1460	SAE+20					
4617	7777	7777			/LAM FAILED ØF	******	
4620	7272	HL 7			APW LAIFER NI	0.7\sa\\\\	
4621	0011	CLR					
4622	1020	LDA+20					
4623	4000	4000	4		4000 1 2 MIL		
4624	2261	ROL +20+			SET LINK	** ·	
4625 4626	7067	SE9+20+	,		/SET 7 WITH BI	01,0	
4627	ØØ16 ØØ77	0016 SET+204	4 79		SET 17 WITH	5959	
4630	5252	5252	4 /		PART W. BELL .		
4631	1020	LDA+20			/LOAD AC WITH	2524	
4632	2524	2524					
4633	1227	LAM+204	7		/LAM AC WITH	NOTREC	P
4634	0452	LZE			_		
4635	0000	ዛሬዋ			VEINK BUILED !	_ i 1	
4636	1460	3AE+20					
4637	7777	7777					A
464Ø	0000	HLT			ALAM FAILED AL		
4641 4642	1000	LDA			/LOAD AC WITH	VALUE OF	17
4643	0017 1460	0017 SAE+20					
4644	7777	7777					
4645	м д м д	HLT			/LAM PAILED		
7 1 1 2	/MUL	rian .			Populi Colphania		
		LY ROUT!	NE ĎATA	HANDLER			
4646	0011	CLR					
4647	0005	GAC			/READ M'.O'.		
4650	1460	SAE+20			• • • • • • • • • • • • • • • • • • • •		
4651	0000	2000					•
4652	8988	HLT			/QAC PAILED MO	S NOT BEB	Ø
4653	Ø455	GLC					
4654	0000 100	HLT			/MQ BIT 11m1		
4655		LDA+20					
4656 4657	4000 0005	4000 Gac					
4650	0005 0451	APO					
4661	0000 0000	HLT			/QAC DID NOT	TITAPEN A	A RIT W
	-					APENULS W	o u;≀ ∞
4662	0011	CLR					
4663	1020	LD4+20			VLOAD AC WITH	7777	
4664	7797	7777			September 1		
Agrico Co.							

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/POP-12 OF TEST III MANUSLO-12-DOCE
                                    PALIS V141
                                                       15=0CT=71
                                                                      1193
                                                                               PAGE 1048
                               RORMIA
         4665 Ø314
                                30L+20
                                                       /CLEAR AC
         4566 1560
         4567 7777
                               7777
         4570 2005
                                                       IREAD M.O.
                               CAC
         4671 1460
                               SAE+20
         4672 3777
                               3777
         4673 2000
                               HL T
                                                       /MO NOT 3777
         4674
               7011
                               CLR
         4675 1020
                               LDA+20
                                                       /LOAD AC
         4676 5252
                               5252
         4677 7314
                               ROR+14
         4788 1568
                               BCL+20
                                                       /CLEAR AC
         4721 7777
                               7777
         4722 8085
                               DAC
                                                        /READ M'.O'.
         4723 1460
                               SAE+20
         4724 2525
                               2525
                                                       /MQ NOT 5252
         4725
              7000
                               HLT
         4726 2011
                               CLR
         4707 1020
                                                       /LOAD AC
                               LDA+20
         4710 2525
                               2525
         4711 2314
                               ROR+14
                                                       /CLEAR AC
         4712 1560
                               BCL+20
         4713 7797
                               7777
         4714 0005
                                                        /READ M.Q.
                               GAC
         4715 146Ø
                               SAE+20
         4716 1252
                               1252
         4717 2000
                               HLT
                                                       /MG NOT 2525
                        MUL
                        /MUL ISØ BRØ OPERAND ADDRESS IS IN THE NEXT LOCATION
         4720 0011
                        RMA.
                               CLR
         4721 2066
                               SE 9 + 20 + 6
                                                       /SET 6 WITH 0001
         4722 0001
                               0001
                                                       ISET 7 WITH 0001
         4723 0067
                               SET+20+7
         4724
               0001
                               0001
                        RMB,
                                                       /LOAD AC WITH VALUE OF 7
         4725 1000
                               LDA
         4726 0007
                               0007
         4727 1240
                                                       /MULTIPLY AC BY THE
                               MUL
                                                       /VALUE OF LOCATION 6
         4730 2006
                               0006
         4731 1440
                               SAE
         4732
              7907
                               0007
         4733 0000
                               HLT
                                                       IMUL AC FAILED
         4734 4003
                               STC
                                        3
                                                       /CLEAR AC
         4735 0005
                               DAC
                                                       /READ M.O.
         4736 1440
                               SAE
         4737 0007
                               0007
         4740 0000
                               HLT
                                                       /MUL MQ FAILED
         4741 1000
                               LDA
                                                       /LOAD AC WITH VALUE OF 7
         4742 0007
                               0007
```

ROLDI

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POP-12 CP TEST III MAINGEC-12-DOCB
                                        PAL18
                                               V141
                                                        15-0CT-71
                                                                         1193
                                                                                 PAGE 1949
                                                         /AC NEGATIVE?
          4744 8451
                                APO
                                JMP
                                        . +4
                                                         /YES, EXIT
          4745 6751
                                STA
                                                         INO, SAVE AC
          4746 1040
          4747 3007
                                3207
                                                         /RE-EXECUTE MULTIPLY
          4750 6725
                                JMP
                                        RMB
                        /MUL
                        VMUL 180 BEX OPERAND ADDRESS IN THE B REGISTER
          4751 0011
                        RMAC.
                                CLR
                                SET+20+6
                                                         /SET 6 WITH DOG1
          4752 2066
          4753 0001
                                0001
                                                         /SET 7 WITH 0001
          4754 2067
                                SE7+20+7
          4755 8001
                                0001
                                                         ISET 17 WITH 0006
          4756 2077
                                SE7+20+17
          4757 8886
                                0006
          4760 3076
                                SET+20-16
                                                         ISET 16 WITH DODY
          4761 2007
                                0007
          4762 1016
                        RMBC,
                                LDA+16
                                                         /LOAD AC WITH VALUE OF 16
          4763 1257
                                MUL 417
                                                         MULTIPLY AC BY THE VALUE OF 17
          4764 1456
                                SAE+16
          4765 2000
                                                         /MUL AC PATLED
                                HLP
          4766 4003
                                STC
                                        3
                                                         /CLEAR AC
                                                         /READ M'.Q'.
          4767 0005
                                CAC
                                SAE+16
          4770 1456
          4771 0000
                                HLT
                                                         IMUL MG PATLED
          4772 1016
                                LDA+16
          4773 0241
                                ROL+1
                                                         JAC NEGATIVE?
          4774 8451
                                APO
                                JMP
                                        , & 3
                                                         JYES, EXIT
          4775 7000
          4776 1256
                                574+16
                                                         ING. SAVE AC
                                                         /RE-EXECUTE
          4777 6762
                                JMP
                                        RMBC
                        MUL
                        YMUL IN 1 BOD OPERAND IS IN THE NEXT LOCATION
          9000 0011
                        RMAB.
                                CLR
          5001 0066
                                SET+20-6
                                                         JSET 6 WITH BOD1
          3002 0001
                                0001
                                LDA+20
                                                         /LOAD AC WITH BODI
          9003 1020
                                0001
          9004
               2001
                                STC
                                        , +4
                                                         /SAVE AC
          5005 5011
          5006 1000
                        RMBB,
                                LDA
                                                         /MULTIPLICAN
          5007
               3006
                                0006
                                MUL -20
          5010 1260
                        RMCB.
                                                         /MULTIPLIER
          5011 0000
                                0000
          9012 1440
                                SAE
                                0006
          5013 0006
                                                         /MUL MO PAILED
          5014 0000
                                HLT
          5015 4003
                                                         /CLEAR AC
                                STC
                                        3
          5016 7005
                                CAC
                                                         /READ MQ
          9017
                                SAE
               1440
          5020 3006
                                0006
```

```
/PDP-12 CP TEST III MAI DEC-12-DACB
                                          PALIE
                                                  V141
                                                           15-007-71
                                                                            1153
                                                                                     PAGE 1-50
                                                           /MUL MQ FAILED
          5221
                7000
                                  , O &
          5022
               1000
          5223
                0006
                                  2006
          5024 0241
                                  ROL+1
          5025 0451
                                  APO
                                                           /AC NEGATIVE?
          5026
                                  JMP
                                                           IYES, EXIT
               7032
                                          . * 4
                                                           INO. SAVE AC
          5027 1040
                                 STA
          5030
                0006
                                 0006
                                                           /RE-EXECUTE
          5031 7006
                                  JMP
                                          RMBB
                         /MUL
                         ZMUL IST BOX OPERAND ADDRESS #1 IS IN THE B REGISTER
          5032 8011
                         RMAD.
                                 CLR
          5033
                2266
                                  SE9+20+6
                                                           /SET 6 WITH DOD1
          9234
                0001
                                  0001
          5035
                9067
                                  SET+20+7
                                                           /SET 7 WITH 0001
          5036
                0001
                                  0001
          5037
                         RMBD.
                                 SET+20-17
                                                           ISET 17 WITH 0005
                0077
          5040
                                  0005
                0005
          9041
                0076
                                  SET+20-16
                                                           /SET 16 WITH 0006
          9042
                0006
                                 2206
          5043
                1036
                                 LDA+20+16
                                                           INULTIPLICAN
                                                           /MULTIPLIER
          3044
                1297
                                  MUL + 20 - 17
          5045
                                  SAE +16
                1456
                                  HLT
          9046
                0000
                                                           /MUL AC FAILED
          5047
                4003
                                  STC
                                                           /CLEAR AC
                                          3
          9050
                                                           /READ MQ
                0005
                                  OAC
          5051
                1496
                                  SAE+16
                                  HLT
          5052
               0000
                                                           /MUL MO FAILED
          9093
                1000
                                 LDA
          5054
                0007
                                  0007
          5055 0241
                                  ROL +1
          9056
                                                           JAC NEGATIVE?
                0451
                                  APO
          9057
                                  JMP
                                                           JYES, EXIT
                7063
                                          . +4
          5060
                                  STA
                                                           INO. SAVE AC
                1040
          9061
                0007
                                  0007
                                                           /RE-EXECUTE
          5062
               7037
                                          RMBD
                                  JMP
          5063
                0235
                                 XSK+20-15
          5064
                0496
                                  SKP
          5065
                                  JMP
                7091
                                          , +4
                                                           /EXECUTE PREVIOUS INSTRUCTIONS 1777 TIMES
          5066
                9649
                                 LDF
          5067
                0600
                                 LIF
                                                           /RETURN TO CELL &
          5070
               6405
                                  JMP
                                          405
                                                           / AND REPEAT TEST
                         VOUR TEST
                         VOUR ROUTINE FOR CORRECT OPERATION EXECUTE 1979 TIMES
          9071 0011
                         DUR1.
                                 CLR
       . . 5072
                0060
                                  SE9+2040
                                                           /SET Ø 90 9777
          5073
                                 9797
                7777
          5074
                                                           /PROTECT Ø
                9006
                                  DJR
```

```
PPBP-12 OP TEST III MAINDEC-12-DOCB
                                       PALIP V141
                                                       15=0CT=71 1153
                                                                               PAGE 1=51
         5075 7076
                               JMP
                                       . +1
         5276 1000
                               LDA
                                                       /LOAD VALUE OF Ø
         5377 3000
                               0000
         5170 1460
                               SAE+20
         5121 7777
                               7777
                                                       /DJR FAILED LOD & NOT 7777
         3122 7000
                               HLT
                                       , +1
                                JMP
         5103 7104
         5134 1000
                               LDA
                                                       /LOAD VALUE OF B
         5185 8000
                               2030
                               SAE+20
         5126 1468
         5107 7777
                               7797
         5110 0456
                               SKP
                               HLP
                                                       /DJR FAILED #=9777 DUR NOT RESET ON 2ND JUMP
         5111 0000
         5112 2235
                               XSK+20+15
         5113 7071
                                JMP
                                       DJR1
                       SPECIAL FUNCTION TEST OF THE FAST SAMPLE
                       VENABLE AND HALF SIZE CHARACTER
                       /BIT ASSIGNMENTS ON AN "A" SYSTEM'.
                       /RSW BIT 5 = (1) to INHIBIT THIS TEST!
         9114 0516
                                                       /READ RIGHT SWITCHES
                               RSW
         5115 1560
                               BCL+20
                                                       /MASK TO BIT 5
         5116 7677
                               7697
                                                       /IS IT AN "A" SYSTEM?
         5117 146Ø
                               SAE+20
         5120 0000
                               0000
                                       REST
                                                       INO. EXIT
         9121 7211
                                JMP
                               CLR
                                                       /YES, CONTINUE
         5122 MØ11
                                                       /READ S'.F', REGISTER
         5123 0024
                               SFA
                                                       /MASK TO BIT 5
         5124 1560
                               BCL+20
         5125 7697
                               7677
                                                       JOID IND PRESET CLEAR
         5126 7450
                               AZE
                                                       JTHAT BITT
                               HLT
                                                       INO. ERROR IN THE AC
         5127 0000
                       NOW READ THE HALF SIZE CHARACTER BIT
         5130 0011
                               CLR
                                                       /READ S.F. REGISTER
                               SFA
         5131 0024
                                                       /MASK TO BIT 4
         5132 156Ø
                               8CL+20
         9133 7577
                               7597
                                                       /DID I=0 POWER CLEAR SET
                               SAE+20
         5134 1460
         5135 0200
                               0200
                                                       /BIT 5 to 1 17
         5136 0000
                               HLT
                                                       /NO.
                       INOW LOAD THE S.F. REGISTER AND CHECK IT.
         5137 0011
                               CLR
                                                       YES, CONTINUE
                               ESF
                                                       /LOAD THE S.F. REGISTER
         5140 0004
         5141 2016
                               NOP
                                                       INITH DOGO
                               SFA
         5142 0024
         5143 146Ø
                               SAE+20
         5144 0000
                               0000
         5145 7000
                               HLT
                                                       /ERROR READ FROM S'.F'.
```

PPP-12 OP TEST	III MAIN	DEC-12-DØCB	PAL'10	V141	15=007=71	1193	PAGE	1=52
5146	1020	LDA+20						
5147		2170						
	c 204	ESF			SET FAST SAMPL	F FNARLF		
· ·	1460	SAE+20			/DID ESF CLEAR	THE A'C'		
5152		0120			, sto be, offere	7 112 71 01		
5153		HLT			/YES: ERROR ESF	' ČLEARED		
5154	0011	CLR			A LUE WIOI			
5155		SF 4			/READ S'.F', REG!	STFF		
5156		SAE+20			/IS THE A.C. CE			
5157		2120			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
5160	7000	HLT			/NO			
	- by	*****			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
5161	1020	LDA+20			/YES			
5162	Ø2ØØ	Ø 2 Ø Ø						
5163		ESF			/LOAD SF WITH &	200		
	2011	CLR						
5165		SFA			/READ S',F', REG!	STER		
5166		SAE+20			/13 THE A.C. CO	RRECTS		
5167		2200			• • •			
5170		HLT			/NO, ERROR			
		NOW CHECK THE POP THE S.P. RE		P BIT				
5171		CLR						
5172	1020	LDA+20			TOUD AC MITH &	88		
5173	2488	Ø4ØØ			11 8 1 8 5° 8° 8 8 8 8 1	o å e ä		
5174 5175	7004	ESP			/LOAD S.F. REG!	STER		
5176	0011 2024	CLR Spa			/READ S'F' REG!	0 9 2 5		
5177	1460	SAE+2Ø			/IS THE A.C. CO			
5200		0400			710 ME 410, 00	TRINE UIT		
5201	2000	HLT			/NO, ERROR IN 9	HE AC		
		NOW CLEAR ALL	RITS IN	S.F'. REG	ISTER			
			•					
5202	0011	CLR						
5203	7074	ESF			/CLEAR S'.F'. REC	ISTER		
5204	0011	CLR				*		
5205	8824	SFA			/READ S',F', REG!			
5206	1460	SAE+20			/IS IT CORRECTS	•		
5207 5210	7979 7377	3000 			4 64 69			
2218	ממשש	4L T			/NO			
		/SPEČIÄL FUNCTI /DISÄBLE TTY IN						
5211	1020	REST. LDA+20			/LOAD AC WITH 6	1949		
5212	0040	0040						
5213	8284	ESP			JOISABLE TRY IN	PERRUPT		
5214	8011	CLR				•		
5215	0024	SFA			/READ SPECTAL P	HNAPIAN	PFCICI	7 6 8

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POP-12 OF TEST III MAINDEC-12-DOCB PALIS V141
                                                     15=0CT=71
                                                                       1153
                                                                               PAGE 1-53
         5216 1560
                               BCL+20
                                                       /CLEAR BITS 4 AND 5
         5217 2300
                               3300
         5222 1460
                               SAE +20
         5221 8040
                               2240
         5222 7000
                                                       VEATLED TO READ SE PROPERLY
                               HLT
                       VIEST FOR UNEXPECTED INTERRUPTS
         5223 0011
                               CLR
                                                       /ENABLE TTY INTERRUPT SINCE BITE = Ø
         5224 2004
                               ESF
                               PDP
                                                       /POP 8 MODE
         5225 9002
         5226 3004
                               DCA
                                                       ISET AC TO 7777
         5227 7040
                               CMA
         5230 6001
                               101
                                                       JENABLE INTERRUPTS
         5231 7000
                               NOP8
                               NOPS
         5232 7000
         5233 7000
                               NOPS
         5234 2004
                               152
                                                       /DELAY
         5235 5234
                               8 ML
                                       . . 1
         3236 7000
                               NOP8
         3237 7000
                               NOPS
                                                       JAC SHOULD BE 9777 CHANGE TO 0000
         5240 7040
                               CMA
                               SZA
                                                       /DID INTERRUPT OCCUR ?
         5241 7448
         5242 7402
                               7402
                                                       YES, UNEXPECTED INTERRUPT
                               TOP
                                                       /DISABLE INTERRUPTS
         5243 6002
                                                       PRINT A NULL CHÂRĀCTER
         5244 6046
                               6246
         5245 6041
                               6041
                                       . . 1
                                                       /WAIT FOR PLAG
         5246 5245
                               JMP8
         5247 6001
                               6001
         5250 7000
                               7000
                                                       VINTERRUPT FÄILED. NO INTERRUPT FROM TTY
         5251 7402
                               7602
         5252 6141
                               LINC
                                                       /LING MODE
         5253 1020
                               LDA+20
         5254 8848
                               2240
         5255 0004
                               ESP
                                                       IDISABLE TTY INTERRUPT
         5256 ØØ11
                               CLR
         5257 0002
                               POP
                                                       /PDP 8 MODE
                               4001
         5260 6001
                               7080
         5261 7000
         5262 741Ø
                               7410
                                                       /INTERRUPT DECTED S.P. DID NOT DISABLE TTY INTERRUPT
         5263 7402
                               7402
                                                       / OR EXTERNATOUS INTERRUPT OCCURED
         5264
                               6002
               6002
         5265 6141
                               LINC
         5266 2011
                               CLR
                                                       JENABLE TTY INTERRUPT
         5267 0004
                               ESF
         5270 0002
                               PDP
                                                       /SF## TTY ENABLED TO INTERRUPT
         5271 6001
                               6001
                                                       INTERRUPT OCCURED
         5272 7000
                               7000
         5273 7482
                               7482
         5274 6141
                               LINC
                                                       YLING MODE
```

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/PDP-12 CP TEST III MAT DEC-12-DOCB
                                                         15-0CT-71 -
                                                                         1153
                                         PAL10
                                                 V141
                                                                                  PAGE 1=54
                        ATRAP LOADING OF SPECIAL FUNCTION REGISTER
                                                         INO INSTRUCTION IN THIS
          5275 2011
                                JLR
          5276 1020
                                                         / ROUTINE SHOULD TRAP
                                LDA
          5277
                                         1000
                1000
                                ESF
                                                         / ONLY THE LOCATION "INS" IS
          5300
               7004
          5321
               0011
                                CLR
                                                         / CONSIDERED A LEGAL TRAP LOCATION
          5322
               3024
                                SFA
                                                         PREAD SPECIAL PUNCTION REGISTER
          5303 1560
                                BCL +20
          5304 0300
                                0300
          5305
               1460
                                SAE
                                         î
          5306 1000
                                         1000
                                                         /SFA FAILED AC NOT 1000
          5327
                3000
                                HLT
          5310 0011
                                CLR
         5311
               2004
                                ESF
                                                         /CLEAR SPECIAL FUNCTION REGISTER
          5312 0011
                                CLR
          5313 1020
                                LDA
                                         Ĩ
          9314 1000
                                         1000
                                ESF
                                                         ISET TRAP ENABLE
          5315
               7004
          5316
               2016
                                NOP
                                                         INOP SHOULD NOT TRAP
          5317
                0016
                                NOP
          5320 2011
                                CLR
                                                         / ERROR IF IT BOES
          5321 2004
                                ESF
          5322
                                                         /SET UP INITIAL ADORESS
               0067
                                SET+20
                                        47
          5323
               5600
                                         TABL
                                                         JOF THE TRAP TABLE
          5324 1027
                        REB.
                                LDA
                                         1 47
                                                         JGET VALUE OF 9 INDIRECT
          5325
               1460
                                SAE
                                         Ť
                                                         /IS IT 7777?
                                         7777
          5326
               フフラフ
          5327
                                SKP
                                                         /NO.
               2456
          5330
                                         INS+3
               7340
                                 JMP
                                                         /YES, EXIT
                                         , ±4
          5331 5335
                                STC
                                                         ISAVE AC
          5332 1020
                        REC.
                                LDA
          5333
               1000
                                         1000
                                ESF
          5334 0004
                                                         /SET PRAP ENABLE
          5335
                0000
                        INS,
                                0000
                                                         ITRAP INSTRUCTION LOCATION
          5336
               0000
                                HLT
                                                         /INSTRUCTION DID NOT TRAP
          9337
               7324
                                 JMP
                                         REB
          5340
               7235
                                XSK
                                         1 = 15
                                                         /INCREMENT 15
          5341 7275
                                JMP
                                         REA
                                                         /RE-EXECUTE
          5342 7011
                                CLR
          5343 7004
                                ESF
                                                         /CLEAR SPECIAL PUNCTION REGISTER
                        VCHECK OF LIF WITH INTERRUPT INHIBIT
         5344
                                POP
                7002
          5345 7200
                                CLA
          5346
               6046
                                6046
          5347
                6041
                                6041
          5350 5347
                                                         /WAIT FOR FLAG
                                 JMP8
                                         . . 1
          5351 6141
                                LINC
          5352
               Ø5ØØ
                                108
         5353
                                6001
               6001
          5354
                7016
                                NOP
```

INO INTERRUPT

5355

0000

HLT

	PPE MATURES TO		Ph A i ¹ T or	Va Aa	4 E - A B E - E -	Ties Bier	4 点 您 数
POP-12 CP TEST	III MAINDEC-12	■DØĈ8	PALID	V1 = 1	15-007-71	1100 - PAGE	1022
5356	1460	SAE+20					
5357		7777				. v w	
5360	Ø Ø Ø Ø	HLT			/INTERRUPT OCCL /BUT AC INCORRE		
5361		CLR					
5362	0602	L1P+2					
5363	Ø5ØØ	108					
5364	6001	6001			/INTERRUPT ENAB	LE	
5365	₹Ø16	NOP					
5366	2456	SKP					
5367	7000	HLT			/INTERRUPT INH! /FAILED	le i f	
5370	7371	JMP	, 41				
5371	2456	SKP			_		
5372	2000	HLT			/INTERRUPT INH		
					/ THE FIRST JUN	(P	
5373	7374	JMP	, ø Ĩ				
5374	0000	HLT			/INTERRUPT INHI / ON THE SECONE		RESET
5375	1460	SAE+20					
5376	7797	7777					
					/INTERRUPT OCCÚ	IBARK ALIP	
5377	សស្ថាស្ត្	HLT			THE AC IS INC	CORRECT	
		il punct! Ate 1-0 p		AR			
5400	1020	LDA+20					
5401	0020	0020					
5402		ESP					
5403		ČLR					
5404		P D P					
9405	6041	6041			/FLAG SHOULD BE	P ČLPAREĎ AND	
9406	7410	7410			SHOULD NOT SK!		
9407		7402			PAILED TO CLEA		
9410		LINC			, , , , , , , , , , , , , , , , , , ,		
- 1		B					
	TYES, I	FOR AN ** 50 THIS R 5 NOT DO RSW 5	OUPINE				
5411	7516	RSW			/READ RSW		
5412	1560	BCL+20			MASK TO BIT 5		
5413	7697	7677			7/124· 10 DI1 3		
5414	749g	AZE			/IS IT SETT		
9415	7447	JMP	RESET		/NO, EXIT		
		Aut.	WE GET				
5416	ØØI1	CLR			/YES		
5417	7061	SET+20à	1		SET LOCATION 1	TO ØØØØ	
5420	0000	0000				•	
5421	0004	esp			/LOAD S'F' REG!	STER	
5422	0024	SFA			/READ S', P', REG!	ISTER	
Markey					* What parts		

```
/POP=12 CP TEST II! Manage NDEC=12=DOCB PAL15
                                               V141
                                                       15=0CT=71
                                                                  1193
                                                                               PAGE 1=56
                                                       /LOC 1 EQUAL TO 1777
         5423 0221
                               XSK+20+1
         5424 7421
                               JMP
                                                      /NO, DO IT AGAIN
                                       , #3
                                                       TYES, CHECK IT
         5425 1460
                               SAE+20
         5426 0000
                               2000
                                                       /BIT IN ERROR IN THE AC
         5427 0000
                               HLT
         5430 0011
                               CLR
                                                      /SET LOC 1 TO PARA
         5431 7061
                               SE7+20+1
         5432 0000
                               0000
         5433 1020
                                                      /LOAD AC WITH 1740
                               LDA+20
         5434 1740
                               1740
                                                      /LOAD S.F. REGISTER
         5435 0004
                               ESF
         5436 0024
                               SFA
         5437 0221
                                                      /IS LOC 1 EQUAL PO 1777
                               XSK+20+1
                               JMP
         5440 7435
                                                      /NO, DO IT AGAIN
                                                      /YES, CHECK RESULTS
         5441 1460
                               SAE+20
         5442 1740
                               1740
         5443 0000
                               HLT
                                                      VERROR IN THE A'. &'.
         5444 1020
                               LDA+20
         5445 0020
                               0020
         5446 2004
                               ESF
         5447 1020
                       RESET. LDA+20
                               0207
         5450 0207
                               PDP
         5451 7002
         5452 6002
                               107
         5453 6046
                                                       /PRINT BELL
                               6046
         5454 6041
                               6041
         5455 5254
                               JMP8
                                       . - 401
         5456 6042
                                                       /CLEAR FLAG
                               6042
         5457 6141
                               LINC
         5460 0640
                                                       /SET DATA FIELD &
                               LDF
         5461 7600
                               LIP
                                                       /SET INSTRUCTION FIELD @
                               JMP
                                       405
                                                       VEXECTUE PROGRAM AGAIN
         5462 6405
               5600
                       ≈560®
                       VILLEGAL INSTRUCTIONS OF THE OPERATE CLASS
                       ITHESE SHOULD GENERATE TRAP
                       TABL,
         5600 0000
                               0000
         5601 0501
                               0501
         5602 0502
                               0502
         5603 0503
                               0503
         5604 0504
                               0504
         5605 0505
                               8585
         9606 0506
                               0506
         5607 0507
                               2527
         5610 0510
                               0510
         5611 0511
                               Ø511
         5612 0512
                               7512
         5613 Ø513
                               Ø513
         9614 Ø514
                               0514
```

```
1153
                                                                            PAGE 1-57
/POP-12 CP TEST III MAINDEC-12-DOCB
                                     PAL10 V141 15=007=71
         5616 0521
                               0521
         5617 2522
                               2522
         5620 0523
                               Ø523
         5621 Ø524
                               0524
         5622 0525
                               Ø525
         5623 2527
                               2527
         5624 Ø53Ø
                               Ø530
         5625 Ø531
                               0531
         5626 Ø532
                               0532
         5627 0533
                               Ø533
         5630 0534
                               2534
         5631 0535
                               0535
                       VILLEGAL INSTRUCTIONS OF THE EXECUTE CLASS
                       THESE SHOULD GENERATE TRAP
         5632 0740
                               8740
         5633 Ø741
                               2741
         5634 9742
                               0742
                               0743
         5635 6743
         5636 Ø744
                               0744
         5637 0745
                               0745
         5640 Ø746
                               8746
                               2747
         5641 0747
         5642 Ø75Ø
                               0790
         9643 Ø751
                               Ø791
         5644 0752
                               0752
         5645 2753
                               0753
         9646 2754
                               6754
         5647 0795
                               Ø755
         5650 0756
                               9796
         9651 0757
                               2797
         5652 Ø76Ø
                               8768
         5653 0761
                               0761
         5654 9762
                               2762
         5655 0763
                               Ø763
         5656 2764
                               0764
                               0765
         5657 0765
         5660 0766
                               2766
         9661 2767
                               8767
                               0770
         9662 0770
         5663 0771
                               2771
         9664 0772
                               0772
         5665 0773
                               0773
         5666 2774
                               0774
         5667 0775
                               0775
         567Ø Ø796
                               Ø776
         5671 7777
                               Ø777
                       VILLEGAL INSTRUCTIONS OF THE UNDEFINED GROUP 1
                       THESE SHOULD GENERATE TRAP
         5672 2540
                               0540
         5673 9541
                               0541
         9674 0542
                               Ø342
```

```
PAL10
                                                      15-007-71
                                                                 1153
                                                                             PAGE 1-58
/PDP=12 CP TEST III MAINDEC-12-DOCB
                                              V141
         5675 6543
                              - 43
         5676 8544
                             544
         5677 8545
                              2545
         5700 0546
                              2546
         5701 2547
                              0547
                              0550
         5702 0550
         5703 0551
                              2551
         5704 0552
                              0552
         5705 0553
                              2553
         5706
                              0554
               2554
         5707 0555
                              0555
         5710 2556
                             Ø556
         5711 Ø557
                              0557
         5712 0560
                              0560
         5713 Ø561
                              0561
         5714 0562
                              0562
         9715 2563
                              0563
         5716 0564
                              0564
         5717 2565
                              0565
         5720 0566
                              Ø566
         5721 0567
                              Ø567
         5722 Ø57Ø
                              0570
         5723 0571
                              0571
         5724 0572
                              0572
         5725 0573
                              0573
         5726
               0574
                              2574
         5727 0575
                              0575
         5730 9576
                              0576
         5731 0577
                              0577
                       VILLEGAL INSTRUCTION OF THE UNDEFINED GROUP 2
                       THESE SHOULD GENERATE TRAP
         5732 1701
                              1701
         5733 1702
                              1702
         9734 1703
                              1703
         5735 1704
                              1704
         5736 1705
                              1705
         5737 1706
                              1706
         5740 1707
                              1707
         5741 1710
                              1710
         9742 1711
                              1711
         9743 1712
                              1712
         5744 1713
                              1713
         5745 1714
                              1714
         5746 1715
                              1715
         5747 1716
                              1716
         5750 1717
                              1717
         5751 1721
                              1721
         5752 1722
                              1722
         5753 1723
                              1723
         5754 1724
                              1724
         5755 1725
                              1725
         5756 1726
                              1726
```

/PDP=12 CP TEST	III MA	INDEC-12:DOCB	PAL10	V141	15-007-71	1193	PAGE 1=59
5762	1730	1730					
5761	1731	1731					
5762	1732	1732					
5763	1733	1733					
5764	1734	1734					
5765	1735	1735					
5766	1736	1736					
5767	1737	1737					
577Ø	7777	7777					
		₽ .					

0000 0100	21112323 00230333	200000000 000000000	1111111 322 202 00	11111111 00000000	81111111 11111111	11110000	30900070 30900000	විතිවිතුව් විතික විතිබිතුව් විටිති
0200 0300								
0400 0500	11111111 11111111				11111111 11111111	11111111		
0600 0700	1111111 11111111	11111111	1111111 1111111		11111111 11111111	11111111		11111111
1000 1100	11111111 11111111	11111111 1111111		1111111	11111111 11111111	11111111		
1200 1300		11111111 11111111			11111111 11111111	111111111111111111111111111111111111111		
1400 1500	11111111 11111111				11111111 11111111	11111111		
1600 1700	<u>1</u> 1111111 11111111				11111111 11111111	11111111	11111111	11111111
2000 2100	11000000	20090080 1111111	00111111 1111111	1111111 1111111	00000000 11111111	00000000 11111111	gogogogo Tiiltiii	70000000 11111111
2200 2300	11111111 11111111				11111111 11111111	11111111 11111111		
2400 2500	11111111 11111111					11111111		
2600 2700	11111111 11111111	1111111 1111111		11111111	11111111 11111111	111111111111111111111111111111111111111		
3000 3100	1111111 11111111	11111111 1111111			11111111 11111111	11111111		
3200 3300	11111111 11111111				<u> </u>	11111111 11111111		
3400 3500	11111111 11111111				11111111 11111111	11111111 11111111		
3600 3700	11111111 11111111	11111111 11111111			11111111 11111111	111111111111111111111111111111111111111		

4000 4120	111222333	ଅଟ୍ଟର ଅଟେ ଅନ୍ତର୍ଶ ହ ଅଟେ ଅଟେ ଅଟେ ଅଟେ ଅଟେ	1111111 00000000	11 1 111111 00000000	ī1200020 ī1000000	විශිවිතුවිනුවිනු විශිවිතුවිශිවිතුව	Შ 0 7 0 7 0 7 2 7 2 १ 0 7 0 7 0 7 0 7 0	ମଷ୍ଟିଷ୍ଟ୍ଷଷ୍ଷ ମଷ୍ଟିଷ୍ଟ୍ଷଷ୍ଷ
4200 4300	<u>1</u> 1111111 11111111	111111 <u>1</u> 1 11111111			11111111 11111111	11111111	1111111	11111111
4400 4500	11000000	00000000 11111111	11 <u>11111</u> 11111111		ii111111 i1111111	11111111		
4600 4700	11111111 11111111	11 <u>11111</u> 1 11111111			<u></u>	1111111 <u>1</u> 11111111		
5000 5100	<u> </u>	11[1]1 <u>[</u> 1 11]1[1]1	1111111 1111111	11[111[1 11[111]	Ĩ1111111 Ĩ1111111	11111111		
5200 5300	11111111 11111111 11111111	11111111		14111111 141111111 14111111	11111111 11111111	11111111		
5400 5500	11111111 0000000	11111111	11111111	11111111	11111111	11111111	11100000	000000000 00000000
5600 5700	1111111 1111111	11 <u>11111</u> 1 11111111			<u>į̃</u> 1111111 11111111	11111111		11111111

6300

6500

7300

7500

/PDP-12 CP TE	ST III	MainDE6-12-7007	PALIO	V141	15-0CT-71	1153	PAGE 1-62
ADA	1100	:	Ø455				
ADD	2000	in Si	5275				
ADM	1140	A C O	5324				
AND	0000		5332				
APO	0451	RESET	5447				
ATR	7014	REST	5211				
AZE	0450	RMA	4720				
BCL	1540	RMAB	5000				
BCO	1640	RMAC	4751				
BSE	1000	RMAD	5032				
CLA	7200	RMB	4725				
CLL	7100	RMBB	5006				
CLR	0011	RMBC	4762				
CMA	7040	RMBD	5037				
CQM	7017	RMCB	5011				
DCA	3000	ROL	0240				
DJR	7006	ROR	0300				
DJR1	5071	RSW	Ø516				
DSC	1740	RTA	ØØ15				
ESF	7004	RTL	7006				
EXIT	0053	SAE	1440				
EXIT1	0157	SCR	0340				
FLO	0454	SET	0040				
۲۳	7000	SFA	0024				
107	0020	SHD	1400 0456				
IBZ Ins	Ø453 5335	SKP SN3	0440				
108	Ø5ØØ	SRO	1500				
IOF	6002	STA	1040				
ION	6001	STC	4000				
ISZ	2000	STH	1340				
JMP	6000	SXL	0400				
JMP8	5200	SZA	7440				
K0000	0035	TABL	5600				
K2525	7236	7 A D	1000				
K5252	0023	TEMPH	0037				
K7777	0022	TEMPL	0024				
KST	0415	TPA	0140				
LAM	1200	XSK	0200				
LAS	7604						
LDA	1000						
LDF	7640						
LOH	1300						
LINC	6141						
LSW	Ø517						
LZE	0452						
MUL	1240						
NOP	0016						
NOP8	7000						
POP	7002						
QAC	0005						

PAL10 V141

10 V G

(M)

ERRORS DETECTED: 0

LINKS GENERATEDI Ø

RUN-TIME! 19 SECONDS

2K CORE USED