SET - 7777 = 5301 for BINLOADER (that should be the only corrupted location often running CPTST1)

## IDENTIFICATION

# CPTST2

PRODUCT CODE: MAINDEC-12-DØAB-B

PRODUCT NAME: PDP-12 CP TEST 2

(SKIP AND DATA HANDLING)

SEPTEMBER 19, 1969 DATE CREATED:

MAINTAINER: DIAGNOSTIC GROUP

JAMES KELLY AUTHOR:

SNS = 77

SMODE start 20

hold @ 0022 , 3 MODE, ALC + 60000

half \$ 8026, LHODE, AK: 7777

reselling and SMS switch should

BEL RINGS EVERY 27 SECONDS

- a. Set the teletype reader switch to FREE.
- b. Open the teletype reader and insert the program tape so that the arrows on the tape are visible to, and pointing toward the operator.
- c. Close the reader and set the reader switch to START.
- d. Set the teletype front panel switch to ON LINE.
- e. Set the LEFT switch to 7777.
- f. Set the RIGHT switch to 4000.
- g. Set the MODE switch to 8 mode.
- h. Depress I/O preset.
- i. Depress START LS.
- j. When the program tape has been read in the computer will halt.
- k. The ACCUMULATOR must be = 0000, if it is not, a read in error has occurred and one might try reloading the binary loader.
- 1. Remove the program tape from the reader.

NOTE: This program can be started in either LINC or 8 mode. This feature was incorporated to reduce the possibility of error. However, the preferred method and the one listed below is to start the program in the 8-mode.

### 4. STARTING PROCEDURE

- a. Remove the paper tape from the teletype.
- b. Set the 6 SENSE SWITCHES to all ones.
- c. Set the MODE switch to 8 mode.
- d. Depress I/O preset.
- e. Set IF instruction field switches to all Ø.
- f. Depress START 20.
- g. The computer will halt at address \$\mathcal{g} 22\$, i.e. MEMORY ADDRESS register = \$\mathcal{g} 22\$, in 8 MODE, with the ACCUMULATOR = \$\mathcal{g} \mathcal{g} \mathcal{g}\$. If any of these circumstances do not exist it is a hardware error and must be rectified before proceeding.
- h. Depress CONTINUE.
- i. The computer will halt at address 0026, in L MODE, with The ACCUMULATOR: 7777.

  If any of these circumstances do not exist it is a hardware error and must be rectified before proceeding.
- j. Depress CONTINUE.
- k. The program is now running and any further computer halts are errors and must be evaluated by referring to the listing.
- The test will ring the teletype bell once every 4096 passes.
   This should occur every 25 seconds. If the bell does not ring it is a hardware error and must be rectified before proceeding.

- a. Set the teletype reader switch to FREE.
- b. Open the teletype reader and insert the program tape so that the arrows on the tape are visible to, and pointing toward the operator.
- c. Close the reader and set the reader switch to START.
- d. Set the teletype front panel switch to ON LINE.
- e. Set the LEFT switch to 7777.
- f. Set the RIGHT switch to 4000.
- q. Set the MODE switch to 8 mode.
- h. Depress I/O preset.
- i. Depress START LS.
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- 1. Remove the program tape from the reader.

NOTE: This program can be started in either LINC or 8 mode.
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#### 4. STARTING PROCEDURE

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- b. Set the 6 SENSE SWITCHES to all ones.
- c. Set the MODE switch to 8 mode.
- d. Depress I/O preset.
- e. Set IF instruction field switches to all Ø.
- f. Depress START 20.
- g. The computer will halt at address \$\mathcal{g}22\$, i.e. MEMORY ADDRESS register = \$\mathcal{g}22\$, in 8 MODE, with the ACCUMULATOR = \$\mathcal{g}\mathcal{g}\mathcal{g}\$. If any of these circumstances do not exist it is a hardware error and must be rectified before proceeding.
- h. Depress CONTINUE.
- i. The computer will halt at address 0026, in L MODE, with The ACCUMULATOR: 7777.

  If any of these circumstances do not exist it is a hardware error and must be rectified before proceeding.
- j. Depress CONTINUE.
- k. The program is now running and any further computer halts are errors and must be evaluated by referring to the listing.
- 1. The test will ring the teletype bell once every 4096 passes. This should occur every 25 seconds. If the bell does not ring it is a hardware error and must be rectified before proceeding.

#### 4.1 Switch Settings

The left and right LSW and RSW have no effect on the program what so ever and their settings are of no concern.

The sense switches which under normal condition are set to 77 should be set to zero, one at a time, so be certain that they will cause error halts, i.e. the switch logic isn't tied to "TRUE".

#### 5. ERROR ANALYSIS

In general the program listing is made up of 5 to 10 instruction modules which tests a skip, a bit or a gate and by stoping the coding just prior to the halt and the comments its possible to determine what failed.

Any subrountine can be caused to scope loop by toggling in a jump to the beginning of the subroutine, and restarting the entire program. Great care must be exercised to remember where the jump was placed and to remove it after the hardware bug is found so that the program can test the entire computer.

0300 ROR=0300 PROTATE RIGHT ALSO SHIFT RIGHT INTO MQ REGISTER 2340 SCR=0340 /SCALE RIGHT ALSO SHIFT RIGHT INTO MO REGISTER /SKIP 2422 SXL=0400 /SKIP IF EXTERNAL LEVEL IS #3 0415 KST=0415 /SKIP IF KEY HAS BEEN STRUCK 0440 SNS=0440 /SKIP IF SENSE SWITCH IS UP 0456 SKP=0456 /SKIP UNCONDITIONALLY 0450 AZE # 0450 /SKIP IF ACCUMULATOR ZERO 0451 APO=0451 /SKIP IF ACCUMULATOR POSITIVE 0452 LZE = Ø452 /SKIP IF LINK ZERO 0453 182=0453 /SKIP IF BETWEEN TAPE BLOCKS 2454 FL0=0454 /SKIP IF ADD OVERFLOW FLAG IS SET 0455 QL 2 = 0455 /SKIP IF BIT 11 OF MQ REGISTER IS Ø /OPERATE 0513 101=0513 /EXECUTE THE FOLLOWING 107 INSTRUCTION IN POP=8 MODE

/ARITHMETIC

1000 LDA=1000 /LOAD ACCUMULATOR

1040 STA=1040 /STORE CONTENTS OF ACCUMULATOR

1100 ADA=1100 /ADD TO CONTENTS OF ACCUMULATOR

1140 ADM=1140 /ADD TO CONTENTS OF MEMORY REGISTER

PROTATE LEFT

0240

ROL=0240

```
/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                 PALID
                                                                         V141
                                                                                  29#0CT-69
                                                                                                  1:10
                                                                                                          PAGE 2
                1200
                        LAM=1200
                                         /ADD CONTENTS OF LINK AND ACCUMU-
                                         /LATOR TO CONTENTS OF MEMORY REGISTER
                1248
                         MUL=1240
                                         /MULTIPLY
                6141
                        LINC=6141
                                         /CHANGE TO LINC MODE
                         /HALF WORD OPERATIONS
                1300
                        LDH=1300
                                         /TRANSFER HALF WORD FROM MEMORY INTO
                                         /THE RIGHT HALF OF ACCUMULATOR
                1340
                         STHE1340
                                         /TRANSFER THE HALF WORD FROM THE RIGHT
                                         /SIDE OF ACCUMULATOR REGISTER INTO THE
                                         /DESIGNATED HALF OF A MEMORY REGISTER
                1400
                         SHD=1400
                                         /SKIP IF THE HALF WORD IN ACCUMULATOR
                                         PREGISTER AND THE MEMORY REGISTER DIFFER
                         /MEMORY REFERENCE OPERATIONS
                1440
                         SAE = 1440
                                         /SKIP IF THE CONTENTS OF THE ACCUMULATOR
                                         /EQUAL THE CONTENTS OF THE DESIGNATED
                                         /MEMORY REGISTER
                1500
                         SR0=1500
                                         /SKIP IF THE RIGHTMOST BIT IN THE
                                         /DESIGNATED MEMORY REGISTER IS DI
                                         /AFTER TESTING, ROTATE THE CONTENTS
                                         JONE PLACE TO THE RIGHT,
                1540
                                         /FOR EACH BIT POSITION OF MEMORY REGISTER
                         BCL = 1540
                                         /Y THAT CONTAINS A 1, CLEAR THE
                                         /CORRESPONDING BIT POSITION OF THE
                                         /ACCUMULATOR (LOGICAL AND)
                1600
                         BSL=1600
                                         /FOR EACH BIT POSITION OF MEMORY
                                         /REGISTER Y THAT CONTAINS A 1, SET THE
                                         CORRESPONDING BIT POSITION OF THE ACCUMULATOR (INCLUSIVE OR)
                1640
                                         /FOR EACH BIT POSITION OF MEMORY
                         BC0=1640
                                         /REGISTER Y THAT CONTAINS A 1, COMPLEMENT
                                         ITHE CORRESPONDING BIT POSITION OF THE
                                         /ACCUMULATOR (EXCLUSIVE OR)
                         /FULL ADDRESS
                2000
                         ADD=2000
                                         /ADD THE CONTENTS OF THE DESIGNATED
                                         /MEMORY REGISTER TO ACCUMULATOR
                4000
                         STC=4000
                                         STORE THE CONTENTS OF ACCUMULATOR
                                         /IN THE DESIGNATED MEMORY REGISTER
                                         ITHEN CLEAR ACCUMULATOR
                                         /LINC MODE JUMPS ARE NOT USED IN THIS TEST
                7100
                         CLL=7100
                7020
                         CML = 7020
                7604
                        LAS=7604
                0000
                         ANO=0000
                1000
                         TAD=1000
                3000
                        DCA=3000
                7006
                        RTL=7006
                7200
                        CLA=7200
                2000
                        1SZ=2000
                6846
                         TLS=6046
```

```
/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                PAL10 V141
                                                                                29 m O C T m 69
                                                                                                1110
                                                                                                        PAGE 3
                0002
                        #2
          0002 0000
                                               /G141 FAILED TO LOAD IF @ 2001
                0020
                        420
                        PRIOR TO STARTUP THE OPERATOR MUSI SET ALL SENSE
                        /SWITCHES TO ONES AND LEFT AND RIGHT SWITCHES TO ZERO
                        /HALT AND SKIP TEST START IN POP#8 MODE
                        /MAJOR START
          9858 9885
                        START, POP
                                                /GO TO 8 MODE
          0021 0000
                                HLT
                                                /LINC MODE HALT
          3022 7402
                                7492
                                                18 MODE HALT
          0023 6141
                                LĨŃC
                                                /GO TO LING MODE
          3024 1020
                                LDA + 20
          0025 7777
                                7777
          0026 0000
                                HLT
                                                /TEST HALT
          8027 8011
                                CLR
                        /SKP TEST
          0030 0456
                                SKP
          2631
                                HLT
                0000
                                                /SKIP FAILED
          0032 0456
                                SKP
                                                /SKIP OVER LINC
          0033 6141
                                LINC
                                                /MAJOR RESTART FROM END OF PASS
          2034 0476
                                SKP+20
          0035 0456
                                SKP
          2036 0000
                                HL T
                                                /SKP+20 FAILED
```

		/SENSE SWITCH TEST CHECK SNS	INSTRUCTION, I = 0, I = 1
2237	2440	/ SNS + Ø	
8848	0000	HLT	/SNS+0 FAILED TO DETECT SENSE SWITCH 0
0041	2462	2 N 2 + 5 0 + N	VUNCONDITIONAL SKIP
0042 0043	2456 2222	SKP HLT	SNS 140 SKIPPED IN ERROR
2044	0441	SNS+1	
0045	ଷ୍ଟ୍ରଷ୍ଟ	нцт	/SNS+1 FAILED TO DETECT SENSE SWITCH 1
0046 0047	0461 0456	SNS+20+1	
0050	0000	HLT	/SNS I+1 SKIPPED IN ERROR
0051	0442	SNS + 2	
0052	8888	нцт	/SNS+2 FAILED TO DETECT SENSE SWITCH 2
0053	2462	SNS+20+2	
0054	0456	SKP	
0055	0000	HLT	/SNS I+2 SKIPPED IN ERROR
0056	0443	SNS+3	
2057	3886	HLT	/SNS+3 FAILED TO DETECT SENSE SWITCH 3
0060	0463	SNS+20+3	
0061	0456	SKP -	
0062	0000	<b>∺∟</b> ™	/SNS I+3 SKIPPED IN ERROR
0263	2444	SNS+4	
0064	6999	HLT	/SNS+4 FAILED TO DETECT SENSE SWITCH 4
8865	2464	SNS+20+4	
2266	2456	SKP	•
0067	8888	HLT	/SNS I+4 SKIPPED IN ERROR
0070	2445	SNS+5	•
2271	2000	HLT	/SNS+5 FAILED TO DETECT SENSE SWITCH 5
2272	0465	SNS+20+5	
0073	2456	SKP	TEST COMPLETE SKIP TO APO TEST
0274	8888	HLŢ	/SNS I±5 SKIPPED IN ERROR

```
/APO TEST
0075 0011
                      CLR
                                              /SET ACOURD
8876 8451
                      APO
                                              /TEST IT USING APO
0077 0000
                      HL T
                                              /APO FAILED TO SKIP AC=0000
8188 8471
                      AP0+20
0101 0456
                      SKP
0102 0000
                      HLT
                                              /APO I SKIPPED IN ERROR AC = 0000
0103 1020
                      LDA+20
0104 4000
                      4000
0105 0471
                      AP0+20
0106 0000
                      HL T
                                              /APO I FAILED TO SKIP AC=4000
2107 0451
                      APO
0110 0456
                      SKP
                                              ITEST COMPLETE SKIP TO AZE TEST PART 1
0111 0000
                      HL, T
                                              /APO SKIPPED IN ERROR AC=4000
              /AZE TEST PART 1 AC=0000 AND FLOAT A SINGLE 1 BIT
2112 0011
                      CLR
0113 0450
                      AZE
0114 0000
                      HLT
                                              /AZE FAILED TO SKIP AC=0000
8115 8478
                      45E+20
2116 2456
                      SKP
0117 0000
                      HLT
                                              /AZE I SKIPPED IN ERROR AC=0000
2120 1020
                      LDA+20
                                              /SET EACH BIT IN THE AC IN TURN, TESTING TO
8121 0001
                      0001
                                              /SEE IF (AZE) DETECTS THE FACT THAT THE AC IS
2:22 0470
                      AZE+20
                                              INON ZERO
5123 0000
                      HLT
                                              /AZE I FAILED TO SKIP AC=0001
2124 2450
                      AZE
2125 0456
                      SKP
2126 0000
                      HLT
                                              /AZE SKIPPED IN ERROR ACROSO1
2127 1020
                      LDA+20
2132 0002
                      0002
2131 0470
                      AZE+20
2:32 0000
                      HL T
                                              /AZE I FAILED TO SKIP AC=0002
2:33 0450
                      AZE
2:34 0456
                      SKP
2:35 0000
                      HLT
                                              /AZE SKIPPED IN ERROR AC=0002
2136 1020
                      LDA+20
2137 2004
                      0004
2140 0470
                      AZE+20
2141 0000
                      HL T
                                              /AZE I FAILED TO SKIP AC=0004
2142 0450
                      AZE
```

/PDP=12 CP TEST	PART 2 SKIP AN	D DATA HANDLING MAINDEC	DAVR	PAL10	V141	29=0CT=69	1:10	PAGE 5=1
3143	0456	SKP						
2144	ଚନ୍ଦ <b>ର</b>	HLT	/AZE S	KIPPED IN	ERROR	AC=0004		
2145	1820	LDA+20						
2146	0010	0010						
2147	0470	AZE+20						
2158	0000	HLT	/ARE I	FAILED TO	SKIP	AC=0010		
2191	0450	AZE						
2152	0456	SKP						
	0000	HLŢ	/AZE S	KIPPED IN	ERROR	AC=0010		
		4						

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DØA	B PAL10	V141 29=00	7-69
0154	1020	LDA+20				
0155	9959	0050				
0156	0470	AŽE + 2Ø				
0157	0000			45 7 m. 1.50 m		
010/	6 B 8 8	H L T	/ A	EF I FAILED T	O SKIP AC=0020	
0160	0450	AZE				
0161	0456	SKP				
0162	9898	HLI	/A	EE SKIPPED IN	ERROR AC=0020	
0163	1020	LDA+20				
0164	0040	0040				
0165	0470	ÀŻĒ+2Ø				
0166	0000	HLT	/A	FE I FAILED T	O SKIP AC=0940	J
0167	0450	AZE				
0170	0456	SKP				
0171	0000	HLT	/ A	SE CRIDBLU .Y	ERROR AC=8948	
-, -	C # C P	[] to 1	/ ^	FF SUTLER IN	ERNOR AC-PP40	
0172	1020	LDA+20				
0173	0100	0100				
0174	0470	A2E+20				
0175	0000	HLT	/A	ZE I FAILED T	O SKIP AC=0100	)
Ø176	0450	AZE				
0177	Ø456	SKP				
Ø 2 Ø Ø	0000	HLT	/A	SE SKIPBED IN	ERROR AC=0100	)
0201	1020	LDA+20				
0202	0200	0200				
0203		AZE + 20				
0204	0000	HLT	/A	EE I FAILED T	O SKIP AC=0200	
0205	9459	A Z E				
0206	2456	SKP				
0207		HLT	/ A	ZE SKIPPED IN	ERROR 40=0200	
0210	4 0 2 0	41 C + A C 1				
0210		LDA+20 0400				
Q575 Q571	2488					
0213	0470	AZE+20	4.4	25 5 5 11 55 5		
6572	0000	HLT	/ A	EE I FAILED T	O SKIP AC=2402	)
0214	0450	AZE				
0215	0456	SKP				
Ø216	0000	HĻŢ	/A	₹E SKIPPED IN	ERROR AC=8488	1
9217	1020	LDA * 20				
0220	1000	1000				
Ø221	0470	AZE + 20				
0222	0000	HLT	/ &	ZE I FATIEN T	O SKIP AC=1000	ı
		-	/ ^	THE STREET	A AUTL MA-TDDE	•
0553	0450	AZE				
0224	0456	SKP				
0225	0000	H, T	/ A	E SKIPPED IN	ERROR AC*1000	,

/PDP-12	CP TEST	PART	2 SKIP	AND DA	TA	HANDLING	MAINDEC	DØAB	PAL10	V141	29=0CT-69
	0275	0450		AZE							
	0276	0456		SKP							
	0277	0000		HLT				/AEE	SKIPPED	IN ERROR	AC=7773
	0300	1020		LDA	<b>+</b> 28	o					
	0301	7767		776	7	•					
	9392	2472		AZE	÷28	ð					
	0303	0000		HLT		-		/AEE	I FAILED	TO SKIP	AC=7767
	0304	0450		AZE							
	0305	0456		SKP							
	0306	0000		HLT				/AEE	SKIPPES	IN ERROR	AC=7767
	0307	1020		LDA	• 2 F	ð					
	0310	7757		775		•					
	0311	0470		AZE		ð					
	0312	0000		HLT		I		/AZE	I FAILED	TO SKIP	AC=7757
	0313	0450		AZE							
	0314	0456		SKP							
	0315	8888		HLT				/AEE	SKIPPED	IN ERROR	AC=7757
	0316	1020		LDA	÷29	3					
	8317	7737		773	7	-					
	0320	0470		AZÉ	÷26	ð					
	8321	0000		HLT		•		/AZE	I FAILED	TO SKIP	AC=7737
	0322	0450		AZE							
	0323	0456		SKP							
	0324	0000		HLT				/ A 3 F	SKIPPED	THE CORAC	40-7777
	•							/ M.S.S.	authéch	14 ENVOY	ACE//3/
		1020		LDA		3					
	0326	7677		767							
	0327	0470		AZE		<i>?</i>					
	0330	0000		нцт				/AZE	I FAILED	TO SKIP	AC=7767
	0331	0450		AZE							
	0332	0456		SKP							
	0333	0000		HLT				/AZE	SKIPPED	IN DRROR	AC=7677
	0334	1929		LDA	÷26	0					
		7577		757		-					
	Ø336	9479		AZE		ð					
	0337	0000		HLT				/AZE	I FAILED	TO SKIP	AC=7577
	0340	0450		AZE							
	0341	0456		SKP							
	0342	0000						44.45	CHARRES		
				HLT				/ AEE	SKIPPED	IN ERROR	AC=7577
	0343	1020		LDA	÷28	Ø					
	0344	7377		737	7						
	0345	0470		AZE	٠2í	8					
	0346	0000		HLT				/AZE	I FAILED	TO SKIP	AC=7377

/POP=12 CP TEST PA	RT 2 SKIP AND DATA HANDLING	G MAINDEC DØAH	PAL10	8 V141	29-007-69	1:10 P
2347 245	35 A Z E					
0350 049						
3351 000		/AEE	SKIPPED	IN ERROR	AC=7377	
0352 102	10 LDA+20					e e
9353 677						
0354 047						
0355 000		\AKE	I FAILEC	TO SKIP	AC=6777	
0356 045	IO AZE					
0357 045						
8368 888		/AZE	SKIPPED	IN ERROR	AC=6777	
0361 102	.0 LDA÷20					
0362 577						
0363 047	Ø AŽE+2Ø					
0364 000	DO HET	/AZE	I FAILED	TO SKIP	AC=5777	
0365 045	O AZE					
0366 049	SKP					
0367 000	DØ HLT	/AZE	SKIPPED	IN ERROR	AC=5777	
0370 102	.8 F∆∀+58					
9371 377	77 3777 -					
0372 047	70 AZE+20					
0373 000	DØ HLT	/AEE	I FAILED	TO SKIP	AC=3777	
0374 045	\$Ø AZE					
0375 049						
0376 000		/AZE	SKIPPED	IN ERROR	AC=3777	

```
/AZE TESTS WITH L=1 SEE IF LINK AFFECTS THE AZE COMMAND
0377 0002
                      POP
                                              /ROUTINE IN 8 MODE TO SET LINK
0400 7320
                      CLL CML CLA
                                              /AC=0000, L=1
0401 6141
                      LINC
0402 1020
                      LDA+20
0403
     7777
                      7777
2424
     0450
                      AZE
0405 0000
                      HLT
                                              /AZE FAILED TO SKIP ACE7777 L=1
0406 0470
                      AZE+20
0407
     0456
                      SKP
2419 0000
                      HLT
                                              /AZE I SKIPPED IN ERROR ACE7777 LEL
0411 1829
                      LDA+20
0412 0000
                      0000
0413 0450
                      AZE
8414 8888
                      HLT
                                              VALE FAILED TO SKIP ACEDOOD L=1
0415 0470
                      AZE+20
0416 0456
                      SKP
                                              ITEST COMPLETE SKIP TO LEE TEST
8417 8888
                      HLT
                                              /AZE I SKIPPED IN ERROR ACROODO LES
              /LEE TEST L=0 [=0, 1=1
0420 0011
                      CLR
                                              /CLEAR AC. L. MQ
0421 0452
                      LZE
                                              /SKIP IF LINK = 0
3422 9000
                      HL.T
                                              /LZE FAILED TO SKIP AC#0000 L#0
8423 8472
                      LZE+20
3424
     0456
                      SKP
2425
     0000
                      HLT
                                              /LZE I SKIPPED IN ERROR ACE3777 LEG
8426 0002
                      PDP
                                              PROUTINE IN 8 MODE TO SET LINK
8427 7120
                      CLL CML
8438 6141
                      LINC
              /LZE TEST L=1, I=0, I=1
2431 0472
                      LZE+20
8432 8888
                      HLT
                                              /LEE I FAILED TO SKIP AC=3777 L=1
2433 0452
                      LZE
2434 0456
                      SKP
                                              /TEST COMPLETE SKIP TO SAE TEST
2435 0000
                      HLT
                                              /LZE SKIPPED IN ERROR AC=3777 L=1
              /SAE TEST PART 1 AC=0000 L=1 MEM=0001 FLOAT A SINGLE ONE BIT THRU MEM
2436 1020
                      LDA+20
                                              /SET EACH AC BIT IN TURN TO A ONE COMPARE
2437 0000
                      0000
                                              /II WITH AN ALL ZERO IN THE SAE INSTRUCTION
2442 1460
                      SAE+20
2444
    0000
                      0000
```

/PDP=12	CP TEST	PART 2 SKIP AN	ND DATA HANDLING MAINDEC	DOVR	PALSO	V141	29=0CT	-69	1110	PAGE	10-1
	8442	0000	HL,T	/SAE	FAILED TO	SKIP 1	MEM=0000 A	C=0000 L=	1		
	0443	1460	SAE+20	/LEAV	VE AC#000	Z AND FL	OAT A SIN	SIE 1 RIT	THRU ME	м	
	0444	0001	0001		,		****	- Paris - 10 1 1	11110 112	1,	
	0445	0456	SKP								
	8446	0000	HLT	/SAE	SKIPPED	IN ERROF	R MEM=0001	AC=0000			
	8447	1460	SAE+2Ø								
	0450	0002	0002								
	0451	0456	SKP								
	8452	9889	нцт	/SAE	SKIPPER	IN ERROF	R MEM=0002	AC=0000			
	8453	1460	SAE+20								
	0454	0004	0004								
	0455	0456	SKP								
	0456	8888	HLT	/SAE	SKIPPED	IN ERROF	R MEM=0004	AC=0000			
	0457	1460	SAE+20								
	0460	0010	0010	-							
	8461	0456	SKP								
	8462	0000	ዛሬፕ	/SAE	SKIPFED	IN ERROR	R MEM=0010	ACHOOOO			
	8463	1460	SAE+20								
	8464	0020	0020								
	8465	0456	SKP								
	8466	0000	HLT	/SAE	SKIPPED	IN ERROP	R MEM=0020	AC=0000			
	8467	1460	SAE+20								
	0470	0040	0040 <sup>~</sup>								
	0471	0456	SKP								
	8472	0000	HLT	/SAE	SKIPPED	IN ERROF	R MEM=0040	AC=0000			

/PDP-12 CP TEST	PART 2	SKIP AND DATA HANDL	ING MAINDEC (	DOAH	PAL10	V141	29-001-69	1:10
Ø473	1460	SAE + 20						
0474	0100	0100						
0475	0456	SKP						
0476	0000	HĻT		/SAE	SKIPPED IN	ERROR	MEM = 0100 AC = 0000	
8477	1460	SAE+2Ø						
0500	0200	Ø <b>2</b> ØØ						
0501	0456	SKP						
0502	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=0200 AC=0000	
0503	1460	SAE * 20						
0504	0400	0400						
0505	0456	SKP						
Ø506	0000	HLT		/CA5	CKIDBED IN	CDDAD	MENEGARD AREGOR	
• • •				/3×5	SWILEED IN	ERRUR	MEM=0400 AC=0000	
Ø507	1460	SAE+20						
0510	1000	1000						
0511	0456	SKP						
0512	0000	HLT		/SAE	SKIPBED IN	ERROR	MEM=1000 AC=0000	
Ø513	1460	SAE+2Ø						
0514	2000	2000						
0515	0456	SKP						
Ø516	0000	HLT		1545	CKIDBED IN	ED940	MEN-SGGG AG-GGGG	
		-		\ 3vr	SVILEED IN	ENNUN	MEM=2000 AC=0000	
0517	1460	SAE + 20						
0520	4000	4000						
0521	0456	SKP		/TEST	COMPLETE	SKIP TO	SAE PART 2	
Ø522	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=4000 AC=0000	
		/SAE TEST PART 2 MEN	4= 6006 VC= 601	01 FLC	DAT A SINGL	E ONE E	BIT THRU AC	
0523	1020	/ LDA+20		/CL T	SAGU AC DI	Ф f %: Ф;	IDN TO A COMPANY	
Ø524	0001	0001		10 m	EAUM AU DI	1 114 16	JRN TO A 1 COMPARE	
Ø525	1460	SÁÊ+2Ø				EERU (	COMPARE WORD IN TH	E SAE
Ø526	0000	8888		11143	RUCTION			
Ø527	0456	SKP						
Ø53Ø	0 A D O			40 A F	5 × 10 0 5 5 1 1	200aa	NEW-2000 - 000	
		HLT		12WE	SKILEFD IN	EKKOK	MEM=0000 AC=0001	
0531	1020	LDA+20						
0532	0002	0005						
0533	1460	SAE+2Ø						
0534	0000	ଷ୍ୟ ପ୍ରଷ୍						
0535	0456	SKP						
0536	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=0000 AC=0001	
0537	1020	LDA+20						
0540	0004	0004						
0541	1460	SAE * 20						
0542	0000	8888						
Ø543	0456	SKP						
0544	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=0000 AC=0002	
Ø545	1020	FDV+5Ñ						

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DEAB	PAL10	V141	29 m O C T m 6 9	1:10	PAGE 11-1
0546	0010	0010						
2547	1460	SAE+20						
0550	0000	0000						
0551	Ø456	SKP						
0552	0000	HLT	/SAE	SKIPPED !	N ERROR	MEM#8000 AC#0010		

/PDP=12 CP TEST	PART 2 SKĮP	AND DATA HANDLING	MAINDEC	DOVA	PAL10	V141	29=0CT-69	1110	PAGE	12
Ø553	1020	LDA+2Ø								
0554	0020	0020								
Ø555	1460	SĀE+2Ø								
Ø556	• •									
05557	0000	0 Ø Ø Ø								
	0456	SKP								
0560	ଷଷଷଷ	HLT		/SAE	SKIPPED IN	ERROR	MEM=0000 AC=0010			
Ø561	1020	LOA+20								
0562	8848	0040								
0563	1460	SAE + 20								
0564	0000	2000								
Ø565	9456	SKP								
Ø566	0000	HL T		/SAE	SKIPPED 3N	ERROR	MEM=8000 AC=0040			
2567	1020	LDA+20								
Ø57Ø	0100	0100								
0571	1460	SAE+20								
Ø572	0000									
		0000								
0573	0456	SKP								
0574	0000	HLT		/SAE	SKIPPED IN	ERROR	MEH=0000 AC=0100			
0575	1020	LDA + 2 0								
0576	0500	0200								
0577	1460	SAE+20								
<b>ପ୍ରପ୍</b> ଷ	8000	0000								
0601	0456	SKP								
0602	0000	HLT		1515	CUIDDES IN	FDDAR	WEN-5000 10-000			
0002	0200	7 <b>.</b> !		12WE	SKINEED IN	ERRUR	WEW=0000 VC=0500			
8683	1020	LDA + 20								
8684	0400	0400								
0605	1460	SAE + 20								
0606	0900	0000								
0687	0496	SKP								
0610	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=0000 AC=0400			
7.44				, - =		WOL 1 1 1 7 WE 7 1	1.1996 E. L			
0611	1020	r Dv+5Ř								
0612	1000	1000								
0612	1460	SAE+20								
0614	0000	<u> </u>								
0615	0456	SKP								
0616	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=0000 AC=1000			
0617	1020	LDA+20								
0620	2000	2000								
0621	1460	SAE+20			•					
0622	0000	0000								
0623	0456	SKP								
0624	0000	HLT		/SAE	SKIPPED IN	ERROR	MEM=0000 AC=2000			
0625	1020	7 D A + 2 Ø								
0626	4000	4000								
0627	1460	SAE+20								
0630	ØØØØ	9969								

/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB PAL10 V141 29=0CT=69 1110 PAGE 12=1

0631 0456 SKP 0632 0000 HLT /TEST COMPLETE SKIP TO SAE TEST PART 3 /SÃĒ SKIPPED IN ERROR MEM=0000 AC=4000

		/	
			EM=7777 AC=7776 FLOAT A SINGLE Ø BIT THRU AC
2633	1020	/ LDA+20	/FLOAT A SINGLE Ø THRU THE AC COMPARE THIS
0634	7776	7776	AGAINST 7777 IN THE SAE OPERAND.
0635	1460	SAE+20	LUZUTUGI ILLA THE DES DESCHARDS
0636	7777	7777	
0637	0456	SKP	
0642	8888	HLT	JOAC CUINDER IN EDDAR MENOTYTT LAWTTS/
50.45	0000	Lil geo 1	/SAE SKIPPED IN ERROR MEM#7777 AC#7776
0641	1020	LDA+20	
8642	7775	7775	
8643	1460	SAE * 20	
2644	7797	7777	
0645	0456	SKP	
0646	9999	HLT	/SAE SKIPPED IN ERROR MEM=7777 AC=AC7775
		· rag	LOUR AUTILES SU PUNDU UPULLILI MOLNOLIS
0647	1020	LDA+20	
8658	7773	7773	
0651	1460	SÁÉ+2Ø	
0652	7777	7777	
Ø693	0456	SKP	
2654	8888	HLT	/SAE SKIPPED IN ERROR MEM=7777 AC=77773
0655	1020	1 MA+20	
Ø656	7767	LDA+20 7767	
0657	1460	SAE*20	
8668			
	7777	7777	
0661	2456	SKP	
8662	8888	H <b>.</b> T	/SAE SKIPPED IN ERROR MEM#7777 AC#7767
8663	1828	FDV+58	
8664	7757	7757	
2665	1460	SÁÉ + 20	
3666	7777	7777	
3669	2456	SKP	
0670	0000	HLT	/SAE SKIPPED IN ERROR MEM#7777 AC#7757
0671	1020	LDA+28	
2672	7737	7737	
2673	1460	SÁĒ*2Ø	
2674	7777	7777	
2675	2456	SKP	
₹676	0000	HLT	ACAC CHINDEN IN ECONO MENAZZZZ ACARZZZ
V 0 / 0	೧೯೭೯	rit <sub>ter</sub> i	/SAE SKIPPED IN ERROR MEM#7777 AC#7737
2677	1020	LDA+20	
2728	7677	7677	
2781	1460	SÃE+2Ø	
2782	7777	7777	
8783	0456	SKP	
2726	0000	HLT	/SAE SKIPPED IN ERROR MEM#7777 AC#7677
		- ·	and the contract of the contra

/SAE SKIPPED IN ERROR MEM#7773 AC#7777

SAE+20

7773

SKP

HLT

0755 1460 0756 7773

0760 0000

0456

2757

1110

/PDP=12	CP TEST	PART	2 SKIP	AND DATA	HANDLING	MAINDEC	DØAR	PAL10	V141	29=007=69	1110	PAGE 14-1
	2761	1460		SAE+2	ð							
	0762	7767		7767								
	0763	2456		7767 SKP								
	0764	8888		HLT			/SAE	SKIPPED	IN ERROR	MEM=7767 AC7777		
	0765	1460		SAE + 21	o							
	2766	7757		7757								
	0769	0456		SKP								
	0770	2000		HLT			/SAE	SKIPPED	IN ERROR	MEM=7757 AC=7777		
	0771	1460		SAE+2	ð							
	0772	7737		7737	-							
	0773	0456		SKP								
	0774	0000		HLT			/SAE	SKIPPED	N ERROR	MEM=7737 AC=7777		

/PDP=12	CP TEST	PART 2	SKIP AND DATA HANGLING	MAINDEC	DOVR	PA	Lib	V141	29=0CT=69	1:10	PAGE 15
	0775	1460	SAE+20								
	0776	7677	7677								
	0777	0456	SŘP								
	1000	0000		4045 6	WIRES						
	7000	ត្តសត្	HLT	/SAE S	KIPPED	IN EKI	ROR	MEM=7677	AC#7777		
	1001	1460	SAE+2Ø								
	1002	7577	7577								
	1003	0456	SKP								
	1004	0000	HLT	SAE S	KIPPLO	IN ER	ROR	MEM=7577	AC#7777		
	1005	1460	SAE+2Ø								
	1006	7377	7377								
	1007	0456	SKP								
	.,	-	- ,								
	1010	0000	HLT	/SAE S	KIPPED	IN ER	ROR	MEM=7377	AC=7777		
	1011	1460	SAE+20								
	1012	6777	6777								
	1013	0456	SKP								
	1014	0000		4645 6	VIDEC.	FN:		W			
	****	o m é n	HLT	ADME 3	KIPPED	IN FA	KQK	MEM=6777	AC#7///		
	1015	1460	SAE+2Ø								
	1016	ラブブフ	9777 <sup>~</sup>								
	1017	0456	SKŔ								
	1020	0000	HLT	ACAE C	KIDDEN	TAI ERI	DAD	MEMORTT	4407777		
			(1 <del>1)</del>	\and and a	Willen	Tia E.V.	nyk	MEHS5777	AAM///		
	1021	1460	SAE+20								
	1022	3777	3777 <sup>^</sup>								
	1023	Ø456	SKP								
	1024	0000	HLT	/SAE S	KPPPED	IN ER	ROR	MEMB3777	AC#7777		
			/								
			/SAE SOME COMBINATIONS	OF EQUA	LITY						
	1025	1020	LDA+2Ø		/9FS9	T SAF	11211	NG NOISY	DEBANDS		
	1026	5252	5252		1 1 7 2 1	, MAE	A a i i	140121 (	OF ENAMEDS		
	1027	1460									
	1030	5292	SAE+20								
			5252								
	1031	0000	HLT	/SAE F	AILED 1	TO SKĮ	PM	EM85252 A	Ç=5252		
	1032	1020	LDA+2Ø								
	1033	2525	2525								
	1034	1460	SAE+2Ø								
	1035	2525	2525								
	1036	8988	HLT	/SAE F	ATPED 1	TO SKI	P MI	EM#2525 A	C=2525		
	1037	1020	LDA+2Ø								
	1040	7777	วิวิวา <sup>-</sup>								
	1041	1460	SAE + 20	/END D	F SAE 1	TESTS '	SKI	9 44 BUI 4	TEST PART 1		
	1042	7777	7777	, = 14D O	. un <u>u</u> 1		~ L/ 1 J	I O MUL	LOI PARI 1		
	1043	ÓÓÓÓ	ĤĹŤ	/SAF F	ATIED S	70 CV 11	ם עו		*-7777		
	7,0 - 0		रच <del>। हुतुः</del> :	/ UME P	LIPER !	in suff	r M	EM#7777 A(	<b>↓</b> • / / / • ↓		

/ROL TEST PART 1 FLOATS A SINGLE ONE THRU THE AC. THE LINK BIT IS SET TO ONE /LATER ON WE HILL TEST TO BE SURE WE DIDNIT DISTURB THE LINK 1044 0002 PDP CLL CML /SET LINK LINC LDA+20 /SET A SINGLE BIT IN THE AC, ROL ONE PLACE /AND TEST THE RESULT ROL SAE +20 HLT /ROL Ø CHANGED AC AC = 8081 L=0 LDA+20 ROL+1 SAE+20 HLT /ROL+1 FAILED AC11 TO AC10 AC#002 1063 1020 LDA+20 ROL +1 SAE+20 HLT /RQL=1 FAILED AC10 TO AC9 AC=004 1071 1020 LDA = 20 1073 0241 ROL +1 SAE+20 HLT /ROL+1 FAILED ACP TO ACB AC=0010 LDA = 20 ROL +1 SAE+20 HLT /ROL+1 FAILED ACB TO AC7 AC=0020 LDA+20 ROL +1 1110 1460 SAE+20 HLT /ROL+1 FAILED AC7 TO AC6 AC=0040 LDA+20 1115 0241 ROL +1 SAE+20 1120 0000 HL, T /ROL+1 FAILED AC6 TO AC5 AC=0100

/PDP=12	CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEÇ	DØAB	PAL10	V141	29=0CT=69	1:10	PAGE 17
	1121	1020	LDA+2Ø							
	1122	0100	0100							
	1123	0241	ROL + 1							
	1124	1460	SAE+20							
	1125	0200	0200							
	1126	0000	HLT	/ROL+1	FAILED	ACS TO AC	4 AC=020	0		
	1127	1020	LDA+20							
	1130	0200	0200		-					
	1131	0241	ROL+1							
	1132	1468	SAE+20							
	1133	9499	<b>ଡ</b> ୍ଡିଡ "							
	1134	9999	HLT	/ROL+1	FAILED	ec4 to Ac	3 AC=040	Ø		
	1135	1020	LDA+28							
	1136	0400	0400							
	1137	0241	ROL+1							
	1140	1460	SAE+2Ø							
	1141	1000	1000							
	1142	0000	HLT	4001.44	E	107 FG 10		•		
	47.42	DADD	n 🐷 i	\u07ar	PAIPEO	ACS TO AC	S ACEINO	Ø		
	1143	1020	LDA+20							
	1144	1000	1000							
	1145	8241	ROL+1							
	1146	1460	SAE+20							
	1147	2000	2000							
	1150	0000	HLŤ	/R01 61	FATIER	ACZ TO AC	NECEDA P	а		
		• •		فتن مع مدينا	_ D + M 2 A	NOL IV ME	të vat∷erne			
	1151	1020	LDA+20							
	1152	2000	2000							
	1193	0241	RÔL÷1							
	1154	1460	SAE+2Ø							
	1155	4000	4000							
	1156	Ø Ø Ø Ø	HLŤ	/ROL+1	FAILED	AC1 TO AC	CØ AC=400	Ø		
	1157	1020	LDA+2Ø							
	1160	4000	4000							
	1161	0241	RÕL-1							
	1162	1460	SAE+20							
	1163	0001	0001	/R01 ±1	FATIFO	ACE TO AC	144 Armaa	Ø14		
	1164	0000	HLT	Lug-	. W # 22 P	HOD IN ME	TT WOUND	E de		
	ind 400 mmg		· 1 🐯 *							
	1165	0472	F5E+50	/TEST	COMPLETE	E SKIP TO	ROL TEST	PART 2		
	1166	0000	HLT	/LINK	CLEARED	BY ROLAS	IN ERROR	AC=0001		
				-		2# C7	· · · · · · · · · · · · · · · · ·	, 0		

	/	
	/ROL TEST PART 2 COU	NIER TEST USING NOISY NUMBER IN THE AC
1167 1020		/LOAD A TEST NUMBER INTO THE AC
1170 5252	5252	/PERFORM ROL +2,3,4,17 AND TEST THE RESULT
1171 0242	ROL ≠2	The state of the s
1172 1460	SAE + 20	
1173 5292	5252	
1174 0000	HLT	/ROL+2 FAILED AC=5252
1175 1020	LDA + 2 Ø	
1176 2525	2525	
1177 0243	ROL+3	
1200 1460	SAE+2Ø	
1201 5252	5252	
1202 0000	HLT	/DOI - 3 EATLED AG-5050
were nain	ر وهو ي	/ROL+3 FAILED AC=5252
1203 1020	LDA + 20	
1204 0077	0077	
1205 0244	ROL + 4	
1206 1460	SAE+20	
1207 1760	1760	
1210 0000	HLT	/RQL+4 FAILED AC=1760
	-	A COMPANY OF THE PROPERTY OF T
1211 1020	LDA+20	
1212 7700	7700	
1213 0245	ROL +5	
1214 1460	SAE+20	
1215 4037	4Ø37 ~	
1216 0000	HLT	/ROL+5 FAILED AC#4037
1217 1020	LDA+20	
1220 5200	5200 ^	
1221 0246	ROL*6	
1222 1460	SAE+20	
1223 0052	0052	
1224 0000	HLŤ	/ROL+6 FAILED AC=0032
		e man and the second of the se
1225 1020	PDV+50	
1226 2500	2500	
1227 Ø247	R0L + 7	
1230 1460	SAE+20	
1231 0052	0052	
1232 0000	HL T	/ROL+7 FAILED AC=0052
1233 1020	LDA+20	
1234 0025	อียุ25	
1235 0250	RÔL+1Ø	•
1236 1460	SAE+20	
1237 2401	2401	
1,240 0000	нĹŤ	/ROL+10 FAILED ACE2401

/PDP=12	CP TEST	PART	2 SKIP	AND DATA	HANDLING	MAINDEC	DØAH	PAL10	V141	29=007=69	1:10	PAGE 19
						-						
	1241	1020		LDA+2K	1							
	1242	0052		0052								
	1243	0251		ROL+11								
	1244	1460		SAE+28	)							
	1245	2005		2005								
	1246	0000		HLŤ		/ROL+1	L FAILED	AC 2005				
	1247	1020		LDA+2K	)							
	1250	0770		0770								
	1251	0252		ROL+12	!							
	1252	1460		SAE+28	1							
	1,253	0176		0176								
	1254	0000		HLT		/ROL+12	2 FAILED	AC 90176		4		
	1255	1020		LDA+28	)							
	1256	0707		0707								
	1257	0253		ROL +13	}							
	1269	1460		SAE+28								
	1261	4343		4343								
	1262	8888		НĹŤ		/ROL+1	3 FAILED	AC 94343				
	1263	1020		LDA+28	}							
	1264	7070		7070								
	1265	0254		ROL +14	•							
	1266	1460		SAE + 2								
	1267	7070		7070								
	1270	0000		HLT		/RQL+1	FAILED	AC 27070				
	1271	1020		LDA+22	<b>)</b>							
	1272	7007		7007								
	1273	Ø255		ROL+15	i							
	1274	1460		SAE+28								
	1,275	6017		6017								
	1276	0000		HĻT		/ROL+1	FAILED	AC 96017				
	1277	1020		LDA+28	1							
	1300	0920		Ø52Ø								
	1301	0256		ROL+16	1							
	1302	1460		SAE + 2								
	1303	2500		2500 °								
	1304	0000		HLŤ		/ROL+1	5 FAILED	ACE2500				
	1305	1020		LDA+28	)							
	1306	0250		0250								
	1307	0257		ROL+17	,							
	1310	1460		SAE+28								
	1311	2500		2500								
	1312	0000		H <b>Ļ</b> Ť		/ROL+1	7 FAILED	ACE1240				
	1313	Ø472		LZE + 28	3	/TEST	COMPLETE	SKIP TO	POL TES	१९ उ		
	1314	0000		HLT		/LINK	CLEARED	BY ROLAS	THRU 47	IN ERROR A	C=2500	
				. 44		A 40 E			1	THE PRIVICE WE	U-EJDU	

/ROL I TEST PAR	ı	L	_	1	Ŧ	Ł	3	1	- 12	А	ĸ	1	.5
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1315	0002	PDP	PROUTINE IN 8 MODE TO SET LINK
			AUGOLITHE THE PHONE TO SEL FINK
1316	7120	CLT CWT	
1317	6141	LINC	
1320	1020	LDA+20	/DOES SETTING THE I BIT EFFECT THE LINK
1321	2525	2525	spare ariling the a pt. Firefiller Filly
1355	0260	ROL+20	
1323	1460	SAE+20	
1324	2525	2525	
1325	0000	HLT	4DDL TAG CATLER AS-ORDE
4000	2500	P1 have 1	/ROL I D FAILED ACERS25
4004	0.4 N.O.		
1326	0472	FSE+58	
1327	0000	HLT	/ROL I+0 FAILED LB1
1330	1020	LDA+20	
1331			
	2525	2525	
1332	0261	ROL + 20 + 1	
1333	1460	SAE+2Ø	
1334	5293	5253	
1335	0000	HLT	/ROL I+1 FAILED AG=5253
			/IF AC=9292 LINK TO AC11 FAILED
1,336	Ø452	_ Z E	
1337	0000	HLT	/ROL I+1 FAILED LEG
14 W - 1		. 1 69 7	Note: The Company Park
1340	CA CB 6 4	61.0	
	0011	CLR	/CLEAR LINK AND AC
1341	1020	ĻDA÷2Ø	
1342	5252	5252	
1343	9261	ROL *20 *1	
1344	1460		
		SAE+20	
1345	2524	2524	
1346	0000	HLT	/ROL I+1 FAILED AC=2524
	•	•	و مس د کارک معتب در کارد معتب ورد د
1347	0472	T\$E+20	
1359	0000		
7258	9999	MLT	/ROL I+1 FAILED ACOO TO LINK LE1
1351	0011	CLR	
1352	1020	LDA+20	
1353	5252	5252	
1354	0277		
		ROL+20+17	
1355	1460	SAE+20	
1356	5251	5251	
1357	0000	HLT	/ROL I+17 FAILED AC#5251
		* 1.494 *	டு புகைய இது
4 7 6 12	0.450	1 20	ISCOR ABURITSE AUTO NA MAI MACO I
1360	0452	L Z E	TEST COMPLETE SKIP TO ROL TEST 4
1361	0000	HLT	/ROL I+17 FAILED L=0
			the state of the s

		/
		FOR TEST 4 FLOATS A SINGLE ONE THRU THE AC THE LINK BIT IS SET TO A ONE
		/LATER ON WELL WILL TEST TO BE SURE WE DIDN'T DISTURB THE LINK
1362	0005	PUP /SET LINK ÎN 8 MODE
1363	7120	CLL CML
1364	6141	LINC
1365	1020	LDA+20
1366	4000	4000
1367	0300	RÔR
1370	1460	SAE+20
1371	4000	4 Ø Ø Ø
1372	0000	HLT /ROR P FAILED ACO TO ACO AC#4000
1373	1020	LDA+20
1374	4000	4000
1375	0301	RÔR + 1
1376	1460	SAE+2Ø
1377	2000	2000
1400	0000	HLT /ROR +1 FAILED ACØ TO AC1 AC=2000
1481	1020	LDA+20
1402	2000	2000
1403	0301	RÓR+1
1484	1460	SAE+20
1405	1000	1000
1,406	0000	HLT /ROR +1 FAILED AC1 TO AC2 AC#1000
1407	1020	LDA+20
1410	1000	1000
1411	0301	RÔR • 1
1412	1460	SAE+2D
1413	0400	0400
1414	0000	HLT /ROR +1 FAILED ACZ TO AC3 AC#0400
1415	1020	LDA+20
1416	2400	0400
1417	0301	ROR+1
1420	1460	SAE+20
1421	ØŽØØ	0200
1422	0000	HLT /ROR+1 FAILED AC3 TO AC4 AC=0200
1423	1050	ĻDA÷2@
1424	0200	0200
1,425	0301	ROR+1
1,426	1460	SAE+20
1427	0100	Ø1ØØ `
1430	0000	HLT /ROR+1 FAILED AC4 TO AC5 AC=0100

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC	DØAR	PAL10	V141	29 = OCT = 69	1110	PAGE 22
1431	1020	LDA+20							
1432	0100	0100							
1433	0301	ROR + 1							
1434	1460	SAE+20							
1435	0040	0040							
1436			4000.4	e	term the ter		•		
1470	8688	HLT	\KOK*T	LAIPEN	ACS TO AC	O VCSRR	0		
1437	1020	POV+58							
1440	0040	0040							
1441	0301	ROR + 1							
1442	1460	SAE * 20							
1443	Ø Ø 2 Ø	0020							
1444	0000	HLT	/ROR+1	PAILED	AC6 TO AC	7 AC=002	ð		
1445	1020	LDA+20							
1446	0020	0020							
1447	0301	ŘÔR * 1							
1450	1460	SAE+2Ø							
1451	0010	8818							
1452	8888 5575		.000.6				_		
1472	សស្សស	HLŢ	/KUH = 1	FAIFED	ACT TO AC	8 AC=001	Ø		
1453	1020	LDA+S0							
1454	0010	9019							
1455	0301	ROR+1							
1456	1460	SAE+2Ø							
1457	0004	0004							
1460	0000	HLŤ	(BBB) + 1	E 4 8 1 E B	100 00 10	0 10-600	,		
****	DDDD	m /	\u00e4	LAIFED	ACS TO AC	A VC#RRR	4		
1461	1020	LDA+20							
1462	Ø Ø Ø 4	0004							
1463	0301	RÔR*1							
1464	1460	SAE+20							
1465	8882	0002							
1466	0000	HLT	/BUD#4	FATIFO	ACP TO AC	40 40 = 00	an		
· -		upor i	1/ A (1 ~ P	LWINER	ACT IO AC	TO WOODD	<i>y</i>		
1467	1020	LDA+20							
1470	0002	0002							
1471	0301	RÔŔ÷1							
1472	1460	SAE+20							
1473	0001	Ø Ø Ø 1							
1474	0000	HLT	/ROR+1	FAILED	AC19 TO A	C11 AC=0	001		
1475	1020	LDA+20							
1476	0001	0001							
1477	0301	ROR+1							
<b>→</b> 1, 1									
1500	1460	SAE+20							
1501	4000	4000							
1,502	0000	HLT	/ROR+1	FAILED	AC14 TO A	CØ AC=4Ø	00		
1503	0472	LZE+20	/TEST	COMPLET	E SKIP RO	BUB 1224	Ę		
1504	0000	HUT	/R0841	CIEVEE	D LINK IN	EBBUD YE	= 4000		
<b>6</b> № № <sup>17</sup>	त्यन क्षणे स्थल अवन	7 1 gg 1	\$ 17 miles #	APP WILE	~ Frish FlA	PULKE MP			

```
/ROR TEST 5 COUNTER TEST WITH NOISY NUMBERS IN THE AC
1505 1020
                     LDA+20
1506 5252
                     5252
1507
     0302
                     ROR+2
1510 1460
                      SAE+20
1511 5252
                      5252
1512 0000
                      HLT
                                     /ROR+2 FAILED AC=5252
1513 1020
                     LDA+20
1514 2525
                      2525
1515 0303
                      ROR+3
1516 1468
                      SAE+20
1517 5252
                      5252
1520 0000
                      HLT
                                     /ROR+3 FAILED AC=5252
1521 1020
                     LDA+20
1522 0077
                      0077
1523 0304
                      ROR+4
1524 1460
                      SAE+20
1525 7403
                      74Ø3
1526 0000
                      HLT
                                     /RORMA FAILED ACE7483
1527 1020
                     LDA+20
                     7700
1530 7700
1531 0305
                      ROR+5
1532 1460
                      SAE + 20
1533 0176
                      0176
1534
     0000
                      HLT
                                     /ROR+5 FAILED ACER176
1535 1020
                     LDA+20
1536 5200
                      5200
1537
     2386
                      ROR+6
1540 1460
                      SAE+20
                      0052
1541 0052
1542 0000
                      HLT
                                     /ROR+6 FAILED ACB0052
1543 1020
                     LDA+20
1544 2500
                      2500
1545 2307
                      ROR+7
1546 1460
                      SAE+20
1547 4012
                      4012
1550 0000
                      HLT
                                     /ROR+7 FAILED AC#4012
```

/PDP-12	CP TEST	PART	2 SKIP	AND	DATA	HANDLING	MAINDEC	DOVA	PAL10	V141	29=0CT-69	1:10	PAGE 24
							•		-				
	1551	1020			LDA+21	o							
	1552	0025			0025								
	1553	0310			ROR+1								
	1,554	1460			SAE+21	Ø							
	1555	0520			0520								
	1556	9999			HLT		/ROR+1	FAILED	AC 90520				
	1557	1020			LDA+2	73							
	1560	8052				Ÿ							
					0052								
	1561	0311			ROR+1								
	1562	1460			SAE+2	Ö							
	1563	0520			0520								
	1564	2226		l	HLT		/ROR+1:	L FAILED	AC 90 520				
	1565	1020			LDA+21	2							
	1566	0770			0770	<b>-</b>							
	1567	0312			ROR+1	2							
	1570	1460			SAE+2								
	1571	3740			3740	~							
	1572	2000			HLT		1000.41						
	27/6	e e e e			PI Le !		\KOK = 1	< PAIRED	ACE0374				
	1573	1020			LDA+21	Ø							
	1574	0707			0707	-							
	1575	0313			ROR+1	3							
	1576	1460			SAE+2								
	1577	1616			1616								
	1620	0000			HLT		/80841	S EATLED	AC81616				
					1 840 1		111011-0		MASTATA				
	1631	1020			QDA + 21	8							
	1682	7070			7070								
	1623	0314			ROR+1	<b>A</b>							
	1684	1460			SAE + 2	Ø							
	1685	7070			7070	•							
	1626	0000			HLT		/ROR+1	FAILED	AC 27070				
									~				
	1687	1020			LDA+2	é							
	1618	7007			7007								
	1611	0315			ROR+1								
	1612	1460			SAE + 2	<u> </u>							
	1613	7403			7403								
	1614	2828			HLT		/ROR+1	FAILED	ACE7403				
	1615	1020			LDA+21	Ø							
	1616	0520			0520	•							•
	1617	2316			ROR+1	6							
	1628	1460			SAE+2								
	1621	2124			0124	-							
	1622	2000			HLT		/0/1041/	S EATLED	ACE0124				
	m + 4 * 6.	~ · · · · · ·			t figer !		\under \u	· rashcu	WOERTC#				
	1623	1020			LDA+2	Ø							
	1624	2250			0250	-							
	1625	0317			ROR+1	7							
	1626	1460			SAE+2								
	1627	2025			0025	ī.							
	1632	2802			HLT		/202a1	FATIFO	ACE0025				
					· entr ·		نقب بنجداع		ur Ennes				

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAD PAL10 V141 29-001-69 1:10 PAGE 24-1

1631 0472 LEE+20 /TEST COMPLETE SKIP TO ROR TEST 2 1632 0000 HLT /LINK CLEARED BY HOR2 THRU 17

	/ KUR 1	1231 2	
1633 1634 1635	0002 7120 6141	PDP CLL CML LINC	AUNTINE IN 8 WODE TO SET FINK
1636	1020	LDA+20	
1637	5252	5252	
1648	0320	ROR+2Ø	
1641	1460	SAE+2Ø	
1642	5252	5252	
1643	9999	HLŤ	/ROR I+Ø FAILED AC=3252
1644	0472	FSE+SA	
1645	8888	HLT	/ROR I . FAILED LE1.
1646	1020 5252	FDV=S8	
1658	0321	5252	
1651	1460	ROR+20+1 SAE+20	
1652	6925	6525	
1653	0000	HLT	ADDD TAK FAILED ACAGES
4020	0000	u Pri	/ROR I+1 FAILED AC=6525
1654	0452	LZE	
1655	0000	HLT	/ROR I+1 FAILED AÇII TO LINK LED
	*	· / wa :	Strain is an included take the first first first
1656	0011	CLR	
1657	1020	FDV+50	
1668	2525	2525	
1661	0321	ROR+20+1	
1662	1460	SAE+20	
1663	1252	1252	
1664	8000	HLT	/ROR I+1 FAILED AC=2524
1665	0472	FE+50	
1666	0000	HLT -	/ROL I+1 FAILED ACII TO LINK L=1
1667	0011	CLR	
1672	1020	LDA+20	
1671	2525	2525	
1672	2337	ROR+20+17	
1673	1460	SAE+20	
1674	4525	4525	
1675	2308		/ROR I+17 FAILED AC#2525
1676	<b>2452</b>	LZE	TEST COMPLETE, SKIP TO ROR TEST 3
1677	0000	HLT	/ROR I+17 FAILED L=0

# /ROR TEST 3 AC DATA TO THE MQ TEST (QAC) TEST

		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·
1700	0011	CLR	/CLEAR AC: L. MQ
1701	1020	LDA+20/+9S	
1702	0001	0001	/RUR INTO MG REGISTER.
1703	0301	ROR+1	/QAC IT INTO AC.
1704	0005	QAC	AND TEST IT
1705		SAĒ+2Ø	A Wind in Fall
1706		2000	
1707	0000	HLŤ	/MQ DATA FAILED AC#2000 MQ#4000
1/0/	D000	rite i	AUG DATA LATEED MASSARA MASSARA
1710	0011	CLR	
1711	1020		
		LDA+2Ø	
1712	0001	0001	
1713	0302	ROR+2	
1714	6005	QAC	
1715	1460	SAE+20	
	1000	1000	
1717	8688	HLT	/MQ DATA FAILED AC=1000 MQ=2000
			• "
1720	0011	CLR	
1,721		LDA+20	
1722	0001	0001	
1723	0303	RÔR∳3	
1724	0005	GAC	
	1460	SAE+20	
1726	0400	0400	
1727	0000		
1/2/	សត់ស្គ	HĻŤ	/MQ DATA FAILED ACE0400 MQ=0000
1730	0011	CLR	
1731	1020		
		LDA+20	
		0001	
1733	0304	ROR+4	
1734		QAC	
1735	1460	SAE+20	
y. •	0200	0200	
1,737	0000	HLT	/MQ DATA FAILED ACR0200 MQ80400
			•
1740	0011	CLR	
1741	1020	LDA+2Ø	
	0001	0001	
1743	0305	RÔR+5	
1744 -		DAC	
1745		SAE+2Ø	
	0100	0100	
1747	0000	HLT	/MQ DATA FAILED AC=2100 MQ=0200
7/7/	~ · · · · · · · · · · · · · · · · · · ·	(1.60 t	THE MULLI LIBERTO WALESTED WALESCAN
1750	0011	CLR	
1751	1020	LDA+20	
1752	2021		
	-	0001	
1753	0306	ROR+6	
1754	0005	QAC	

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB PAL10 V141 29=0CT=69 1110 PAGE 26=1

1755 1460 SAE+20 /TEST PARTIALLY COMPLETE, CHANGE IF

1757 0000 HLT /MQ DATA FAILED AC=0040 MQ=0010

1110 PAGE 27

/SUBROUTINE TO CHANGE INSTRUCTION FIELDS:
/GO TO P MODE, JUMP INDIRECT INTO NEXT
/2K OF MEMORY, AND SWITCH BACK TO L MODE,
/THE MA IS LOADED INTO THE IB; THEN THE
/IB IS TRANSFERRED TO TO THE IF
/IF THIS FAILS, WE SHOULD LAND @ 0002

1760	8685	PDP	ACO TO REMODE
1761	5762	5600 .+1	/GO TO B MODE
1762	2001	2001	/JMP I 1+1
2/02		Spot	NEM EIEFD
2001	2001 •2001 6141	LINC	
2002	0011	CLR	ASSAULT NOT TOO TOO TO
2003	0456	SKP	CONTINUE FOR TEST 3
2004	0000	HLT	AEDDOD A441 AV 7949 FALLED
2005	1020	LDA+2Ø	/ERROR 6141 AT 3767 FAILED
2006	0001	2001 COX455	
2007	0307	RÔŘ÷7	
2010	0005	GAC	
2011	1460	SAE+20	
2012	8858	Q N S Q 2 W T A S K	
2013	\$ \$ \$ \$ \$ \$		ING DATA SATURD OF SERVICE
E 10 7 3	6566	HLT	/MQ DATA FAILED AÇ#0020 MQ#0040
2014	0011	CLR	
2015	1020	LDA+28	
2016	0001	0001	
2017	0310	ROR+10	
2020	0005	GAC	
2021	1460	SAĒ+2Ø	
5055	0010	0010	
5853	0000	HLT	/MQ DATA FAILED AÇ#0010 MQ#0020
2024	0011	CLR	
2025	1020	LDA+20	
2026	0001	0001	
2027	0311	ROR+11	
2030	0005	GAC	
2031	1460	SAE+2Ø	
2032	0004	0004	
2033	0000	HLŤ	/MQ DATA FAILED AC=0004 MQ=0010
2034	0011	CLR	
2235	1020	LDA+20	
2036	0001	2001	
2037	0312	ROR+12	
2040	0005	QAC	
2041	1460	SAĒ+2Ø	
2042	0002	Q Q Q S	
2043	8888	HLŤ	

HLT

/MQ1181

/PDP-12 CP TEST	PART 2 SKIP A	ND DATA HANDLING	MAINDEC	DOAB	PAL10	V141	29=0CT=69	1110	PAGE 30
2113	1020	F04+58							
2114	0077	0077							
2115	0314	ROR+14							
2116	0005	QAC							
2117	1460	SAE + 20							
2120	0037	ØØ37							
2121	0000	HLŤ	4000a44	FATIED	ACE8037	U O = 0 0 0 7 7			
		m par a	Yuoueria	r A , L C U	WOEDDO!	MQ=ØØ77			
2122	0475	OF5+58							
2123	ଉତ୍ତର	HLT	/MQ11=1						
			•						
2124	1020	ĽĎ∀+SŘ							
2125	7700	7700							
2126	0314	ROR+14							
2127	0005	GAC							
2130	1460	SAE+20							
2131	3740	3740							
2132	0000	HLT	/ROR+14	FAILED	AC = 3740	MQ87700			
2133	Ø455	A: 3							
	0000 0000	OP 5	/W044 m@						
2134	សសុសស	HLT	/MQ11=0						
2135	1020	LDA+20							
2136	5200	5200							
2137	0314	ROR+14							
2140	0005	GAC							
2141	1460	SAE+20							
2142	2500	2500							
2143	0000	HL Ť	/ROR+14	FAILED	AC 2500	MQ=5200			
2444	6 A E C	<b>0</b> 1.7		• •	•				
2144	Ø455	OFS							
2145	0000	HLT	/MQ11=0						
2146	1020	LDA + 2B							
2147	2500	2500							
2150	0314	ROR + 1 4							
2151	0005	QAC -							
2152	1460	SAE+20							
2153	1240	1240							
2154	0000	HLT	/RQR+14	FAILED	AC = 1240	MQ=2500			
2.55	0.455	<b>0.1</b> 7	*	• •	-				
2155	Ø455	OLZ							
2156	0000	HLT	/MQ11=0						
2157	1020	LDA+20							
2160	0025	0025							
2161	0314	RÔR+14							
2162	0005	OAC							
2163	1460	SAE+20							
2164	0012	ØØ12							
2165	0000	HLT	/ROR+14	FAILFO	AC 00012	MORDOS			
	<u>.</u> <del></del>		Account - west	1 LL SERVER	w45mm*e	CONTRACT.			

/PDP=12 CP TEST	PART 2 SH	KIP AND DATA HANDL	ING MAINDEC DØAB	PAL10	V141	29=QCT=69	1   10	PAGE 31
2166	<b>0475</b>	0						
2167	ଡ୍ଞ୍ଚ	HLT	/MQ11=1					
2470	4 03 2 03	L D A + O (A						
2170	1020	LDA+20						
2171	0052	0052						
2172	0314	ROR+14						
2173	0005	QAC						
2174	1460	SAE+2Ø						
2175	0025	ØØ25						
2176	0000	HLT	/ROR+14 FAILED	ACE0025	MQ=0052			
2177	2455	QLZ						
2200	อ้อ้ออ		/ H O 4 4 10 13					
2200	0000	HĻT	/M011=0					
2201	1020	LDA+20						
2202	0770	Ø77Ø ~						
2203	0314	ROR+14						
2284	0005	GAC						
2205	1460	SAE+20						
2206	0374	0374						
2207	0000	HLT	ABODASA FATLER		W0-8770			
2207	0000	TT be 1	/ROR+14 FAILED	) MC@83/4	WASSIVE			
2218	0455	QĻ₹						
2211	0 <u>0</u> 00	HĻT	/MG11=0					
2010			-					
2212	1020	LDA+20						
2213	Ø7Ø7	0707						
2214	9314	ROR+14						
2215	0005	QAC						
2216	1460	SAE+2Ø						
2217	0343	0343						
2220	0000	HLT	/ROR+14 FAILED	ACE0343	MQ=0707			
2221	0.495	01.7.20						
	0475	ď ₹+SŘ						
2222	0000	HLŢ	/MQ1=1					
2223	1020	LDA+20						
2224	7070	7070						
2225	2314	ROR+14						
2226	0005	GAC						
2227	1460	SAE+2Ø						
2230	3434							
2231	0 Ø Ø Ø	3434	.DOD. 44 MAIL CO		===			
2231	9868	HĻŤ	/ROR+14 FAILED	ACES434	MQ=/070			
2232	2455	QLZ						
2233	0000	HĻŤ	/M011=0					
			· · · · · · · · · · · · · · · · · · ·					
2234		LDA+20						
2235		7007						
2236		ROR+14						
2237	0005	GAC						
2240		SAE+20						
2241		3403						
2242	0000	нĽŤ	/ROR+14 FAILED	ACE3403	MQ=7007			
				-				

/PDP-12 CP TEST PART	2 SKIP AND DATA HANDLING	MAINDEC DØAB	PAL10	V141	29 m QCT m 69	1110	PAGE 32
2243 0475	QLZ+20						
2244 ØØØØ	HLT	/MQ11=1					
2245 1020	LDA+20						
2246 Ø92Ø	0520						
2247 0314	ROR + 14						
2250 0005	QAC						
2251 1460	SAÊ + Z Ø						
2252 0250	Ø25Ø ~						
2253 0000	HLT	/ROR+14 FAILED	AC 0250	MQ=0520			
2254 Ø455	0L₹						
2255 0000	нЁт	/MQ11=0					
2256 1020	LDA+20						
2257 0250	0250						
2260 0314	ROR+14						
2261 0005	QAC						
2262 1460	SAE+2Ø						
2263 0124	0124						
2264 0000	HĹŤ	/ROR+14 FALLED	ACE0124	MG=0250			
2265 0455	QL.₹	PEND OF TEST S	KIP RO B	LC TEST	1		
2266 0000	HLT	/MQ11		100 m. i m. )	en en		

/BOL TEST 1, BOL WILL CLEAR ONE BIT OUT OF A FIELD OF ZEROS 2267 1020 LDA+20 2270 0001 0001 2271 1568 BCL + 20 2272 0001 0001 2273 0450 ÁŽĒ 2274 0000 HLT /BCL FAILED TO CLEAR AC11, ACROSOS 2275 1020 LDA+20 2276 0002 0002 2277 1560 BCL + 20 2300 0002 0002 2301 0450 AŽĒ 2302 0000 HLT /BCL FAILED TO CLEAR AC 10. AC#0000 2303 1020 LDA+20 2304 0004 0004 2305 1560 BCL + 2 10 2306 0004 0004 2307 0450 AŽĒ 2310 0000 HLT /BCL FAILED TO CLEAR ACO. ACBOOOD 2311 1020 LDA+20 2312 0010 0010 2313 1560 BCL + 20 2314 0010 0010 2315 0450 AŽE 2316 0000 HLT /BCL FAILED TO CLEAR ACB. ACB0000 2317 1020 LDA+20 2320 0020 0020 2321 1560 BCL+20 2322 0020 0020 2323 0450 AZE /BCL FAILED TO CLEAR AC 7, ACROSOS 2324 0000 HLT 2325 1020 LDA+28 2326 0040 0040 2327 1560 BCL + 20 2330 0040 0040 2331 0450 ĂŻĒ 2332 0000 HLT /BCL FAILED TO CLEAR AC 6, AC = 0000 2333 1020 LDA + 20 2334 0100 0100 2335 1560 BCL +20 2336 0100 0100 2337 Ø450 AZÉ 2340 0000 HLT /BCL FAILED TO CLEAR AC 5, ACEDODO

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/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DEAB
                                                                  PAL10
                                                                          V141
                                                                                   29m0CT=69
                                                                                                   1110
                                                                                                            PAGE 34
          2341
                1020
                                 LDA+20
          2342
                0200
                                 0200
          2343 1560
                                 BCL + 20
          2344
                0200
                                 0200
          2345
                0450
                                 AZÊ
          2346
                0000
                                 HL T
                                                  /BCL FAILED TO CLEAR AC 4, AC=0000
          2347
                1020
                                 LDA+20
          2350
                                 0400
                0400
          2351
                1560
                                 BCL+20
          2352
                0400
                                 0400
          2353
                0450
                                 AZÊ
          2354
                0000
                                 HLT
                                                  /BCL FAILED TO CLEAR AC 3, ACROSOS
          2355
                1020
                                 LDA+28
          2356
                1000
                                 1000
          2357
                1560
                                 BCL+20
          2360
                1000
                                 1000
          2361
                0450
                                 AZĒ
          2362
                0000
                                 HLT
                                                  /BCL FAILED TO CLEAR AC 2. ACHDOOD
          2363
                                 LDA+20
                1020
          2364
                2000
                                 2000
          2365
                1560
                                 8CL + 20
          2366
               2000
                                 2000
          2367
                0450
                                 AZE
          2370
                0000
                                 HLT
                                                  /BCL FAILEU TO CLEAR AC 1, ACROSOS
          2371
                1020
                                 LDA+20
          2372
                4000
                                 4000
          2373 1560
                                 BCL + 20
          2374
                4000
                                 4000
          2375
                0450
                                 AZE
                                                  /END OF BCL TEST 1, SKIP TO BCL TEST 2
          2376 0000
                                 HLT
                                                  /BCL FAILED TO CLEAR AC 0. AC 0000
                         /BOL TEST 2 WILL CLEAR A SINGLE ONE OUT OF A FIELD OF ONES
          2377 1020
                                 LDA+20
                                                  /SET ALL BITS AND TRY TO CLEAR
          2488 7777
                                 7777
                                                  YONE AND ONLY 1 BIT
          2401
                1560
                                 BCL # 20
          2402
                0001
                                 0001
          2423
                1460
                                 SAE+20
          2424
                7776
                                 7776
          2425
                8000
                                 HLT
                                                  /BCL CLEARED OR SET A BIT IN ERROR, AC=7776
          2426
                1020
                                 LDA+20
          2489
                7777
                                 7777
          2410
               1560
                                 BCL + 20
          2411
                0002
                                 0002
          2412
                1460
                                 SÁÉ + 20
                7775
                                 7775
          2413
          2414
                8000
                                 HL, T
                                                  /BCL CLEARED OR SET A BIT IN ERROR, AC=7775
          2415 1020
                                 LDA+20
```

PAL18 V141 29-007-69 /PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB

1110 PAGE 34-1

7777 8CL+20

/PDP=12 CP TEST	PART 2 SKIP AN	ND DATA HANDLING	MAIND	EČ DQVA		PAL18	) V	141	29 = 00	T=69	1:10	PAGE 35
2429	0004	0004										
2421	1460	SÁÉ+2Ø										
2422	7773	7773										
2423	0000	HLT	/BCI	CLEADED	nρ	CF T		7 NI	ERROR, A	~ = 7 7 7 7		
	0 4 5 m	in per i	1000	ÖFFYUED	ŲΚ	351	r of i	\$ 1A	ENNUN: A	u=///3		
2424	1020	LDA+20										
2425	7777	7777										
2426	1560	BCL +20										
2427	0010	0010										
2430	1460	SAE+20										
2431	7767	7767										
2432	0000	HLT	/RCI	CLEARED	UB	SET		T N	ERROR, A	C=7767		
deb . A . am. Bill		1160	\ DAT	OPENUAD	Ų IN	361	4 63 1	P 1.4	ENROR A	C=//G/		
2433	1020	LDA+20										
2434	7777	7777 ~										
2435	1560	BCL + 20										
2436	0820	0020										
2437	1460	SÁE+2Ø										
2440	7757	7757										
2441	0000	HLT	/BCL	CLEARED	OR	SET	A BIT	ΙN	ERROR, A	C=7757		
			y v 40		•			9.4	and the second	,,		
2442	1020	LDA+20										
2443	7777	7777 -										
2444	1560	BCL +2Ø										
2445	0040	0040										
2446	1460	ŠĀĒ+2Ø										
2447	7737	7737										
2450	0000	HĹŤ	/BCL	CLEARED	OR	SET	A BIT	IN	ERROR: A	C=7737		
		· · · · · · · · · · · · · · · · · · ·			•	*						
2451	1020	LDA * 20										
2452	7777	7777										
2453	1560	BCr + S N										
2454	0100	9768										
2455	1460	SAE+20										
2456	7677	7677										
2457	0000	HLT	/BCL	CLEARED	OR	SET	A BIT	ΪN	ERROR, A	C=7677		
2460	1020	LOA+20										
2461	7777	7777										
2462	1560	BCL										
2463	0500	0500 20125										
2464	1460	SAE * 20										
2465	7577	7577										
2466	0000	HLŤ	/BCI	PLEADED	ΔD	C F %	. 0,0	¥ 4.1	EDDAD 1	0-7577		
£490	A = A X	1 1 May 1	ABAL	AFENUED	yĸ	3 - 1	a Dii	# IA	ERROR, A	U≈/3//		
2467	1020	LDA+20										
2476	7777	7777										
2471	1562	BCL + 2Ø										
2472	0400	0400										
2473	1460	SĀĒ+2Ø										
2474	7377	7377										
2475	0000	HLT	/BCL	CLEARED	OR	SET	A BIT	ΙN	ERROR: A	C = 7377		
	•	•						4 . 4				

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/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DEAB
                                                                PAL10 V141
                                                                                29=0CT=69
                                                                                                1:10
                                                                                                        PAGE 36
          2476 1020
                                LDA+20
          2477 7777
                                7777
          2500 1560
                                BCL+20
          2501 1000
                                1000
          2502 1460
                                SÁE+20
          2503 6777
                                6777
          2504 0000
                                HLT
                                                /BCL CLEARED OR SET A BIT IN ERROR, AC=6777
          2505
               1020
                                LDA+20
          2506 7777
                                7777
          2507 1560
                                BCL+20
          2510
                2000
                                2000
          2511 1460
                                SAE+20
          2512 5777
                                5777
          2513 0000
                                HL T
                                                /BCL CLEARED OR SET A BIT IN ERROR, AC#5777
          2514 1020
                                LDA+20
          2515
               7777
                                7777
          2516 1560
                                BCL+20
          2517 4000
                                4000
          2520 1460
                                SAE+20
          2521 3777
                                3777
          2522 0000
                                HLT
                                                /BCL CLEARED OR SET A BIT IN ERROR, AC#3777
                        /BOL WILL CLEAR ALL BITS EXCEPT FOR A SINGLE ONE
          2523 1020
                                LDA+20
          2524 7777
                                7777
          2525 1560
                                BCL+2B
          2526 7776
                                7776
          2527 1460
                                SAE+20
          2530 0001
                                0001
          2531 0000
                                HL T
                                                /BCL CLEARED OR SET A BIT IN ERROR AC#0001
          2532 1020
                                LDA+20
          2533 7777
                                7777
          2534 1560
                                BCL + 20
          2535
               7775
                                7775
          2536 1460
                                SÁÉ+20
          2537 0002
                                0002
          2540 0000
                                HLT
                                                /BCL CLEARED OR SET A BIT IN ERROR AC=0002
          2541 1020
                                LDA+20
          2542 7777
                                7777
          2543 1560
                                BCL+20
          2544 7773
                                7773
          2545 1460
                                SAE+20
          2546 0004
                                0004
          2547
                0000
                                HLŤ
                                                /BCL CLEARED OR SET A BIT IN ERROR AC=0004
          2550 1020
                                LDA+20
          2551 7777
                                7777
          2552 1560
                                BCL +20
```

/PDP-12 CP TEST	PART 2 SKIP A	ND DATA HANDLING	MAINDE	C DOVR		PAL1	,ø v	141	29-	007-69	1110
2553	7767	7767									
2554	1460	SÁĒ+2Ø									
2555	0010	0010									
2556	0000	HLT	/BCL	CLEARED	OR	SET	A BIT	IN	ERROR	AC=0010	
2557	1020	LDA+20									
2560	7777	7777									
2561	1560	8CF + 5 N									
2562	7757	7 <b>757</b> ~									
2563	1460	SÁE+2Ø									
2564	0050	0020									
2565	3933	HLT	\BCr	CLEARED	QR	SET	A BIT	IN	ERROR	AC = 0020	
2566	1020	LDA+20									
2567	7777	7777									
2570	1560	BCľ +S®									
2571	7737	7737									
2572	1460	SAE+20									
2573	0040	0040									
2574	0000	HLT	\8¢r	CLEARLD	OR	SET	A BIT	ĮΝ	ERROR	AC=0004	
2575	1020	LDA+20									
2576	7777	7777									
2577	1560	BCL+20									
2680	7677	7677									
2691	1460	SĀÉ + 20									
2602	0100	0100 ~									
2603	0000	HLŤ	/BCL	CLEARED	OR	SET	A BIT	IN	ERROR	AC=0100	
2604	1020	LDA+2Ø									
2605	7777	7777									
2606	1560	BCL + 20									
2607	7577	7577									
2610	1460	SAE+20									
2611	ØŽØØ	0200 -									
2612	2000	HLŤ	\BCL	CLEARED	OR	SET	A BIT	IN	ERROR	AC=0200	
2613	1020	ĽDA+SŘ									
2614	7777	7 <b>77</b> 7 ~									
2615	1560	8CF+50									
2616	7377	7377									
2617	1460	SAE+2Ø									
2620	0400	0400									
2621	9990	HĹŤ	\RC[	CLEARED	QR	SET	A BIT	IN	ERROR	AC=0400	
2622	1020	LDA + 20									
2623	7 <b>777</b>	7777 ~									
2624	1560	BCL+20									
2625	6777	6777									
2626	1460	SAE+20									
2627	1000	1000									
2630	2999	HLT	\BCL	CLEARED	OR	SET	A BIT	ΙN	ERROR	AC=1000	

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/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                 PAL10
                                                                       V141
                                                                                 29-0CT-69
                                                                                                  1110
                                                                                                          PAGE 38
          2631 1020
                                LDA+20
          2632 7777
                                7777
          2633
               1560
                                BCL + 20
          2634
               5777
                                5777
          2635 1460
                                SAE+20
          2636
                2000
                                2000
          2637
               0000
                                HLŤ
                                                /BCL CLEARED OR SET A BIT IN ERROR AC=2000
          2640 1020
                                LDA+20
          2641 7777
                                7777
          2642 1560
                                BCL+20
          2643
               3777
                                3777
          2644 1460
                                SAE+20
          2645 4000
                                4000
          2646 ØØØØ
                                HLT
                                                 /BCL CLEARED OR SET A BIT IN ERROR AC=4000
                        /BCL WILL CLEAR ALL CLEARED BITS AND NOT CLEAR A SINGLE SET BIT
          2647 1020
                                LDA+20
          2650 0001
                                0001
          2651 1560
                                BCL+20
          2652 7776
                                7776
          2653 1460
                                SÁÉ+20
          2654 0001
                                0001
          2655
               0000
                                HLT
                                                /BCL CLEARED OR SET A BIT IN ERROR, AC=0001
          2656 1020
                                LDA+20
          2657 0002
                                0002
          2660 1560
                                BCL+20
          2661
               7775
                                7775
          2662
               1460
                                SAE+20
          2663 0002
                                0002
          2664 0000
                                HLŤ
                                                 /BCL CLEARED OR SET A BIT IN ERROR, AC®ØØØ2
          2665 1020
                                LDA+20
          2666 0004
                                0004
          2667 1560
                                BCL + 20
          2670 7773
                                7773
          2671 1460
                                SAE + 20
          2672 0004
                                0004
          2673 0000
                                HLT
                                                 /BCL CLEARED OR SET A BIT IN ERROR. AC=0004
          2674 1020
                                LDA+20
          2675
                0010
                                0010
          2676 1560
                                BCL +2Ø
          2677 7767
                                7767
          2700
               1460
                                SAE+20
          2701
                0010
                                0010
          2702
                0000
                                HLT
                                                /BCL CLEARED OR SET A BIT IN ERROR, AC=0010
          2703
               1020
                                LDA+20
          2704
                0020
                                0020
          2705
                1560
                                BCL + 20
```

7757

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DBAB 2707 1460

SAE+20

PAL10 V141

29-001-69

/PDP=12 CP TEST	PART 2 SKĮP A	ND DATA HANDLING	MAIND	EČ DAVA		PAL1	Ø	٧:	41	29=	OCT-69	1:10	PAGE 39
2710	0020	0020											
2711	ଷ ଷ ଷ ଷ	ніт	/BCL	CLEARED	0R	SET	A	BIT	ΙN	ERROR:	AC#0020		
2712	1020	LDA+28											
2713	0040	0040											
2714	1560	BCL+20											
2715	7737	7737											
2716	1460	SAE+20											
2717	0040	ØØ4Ø ~											
2720	0000	HLT	/BCL	CLEARED	OR	SET	A	BIT	ΙN	ERROR:	AC=0040		
2721	1020	LDA+20											
2722	0100	0100											
2723	1560	BCL+20											
2724	7677	7677											
2725	1460	SĂÉ+2Ø											
2726	0100	0100											
2727	0000	HLT	/BCL	CLEARED	OR	SET	A	811	IN	ERROR.	AC=0100		
2730	1020	LDA+20											
2731	0200	0200											
2732	1560	BCL +2Ø											
2733	7977	7977											
2734	1460	SAE+20											
2735	0200	0200											
2736	0000	HLT	\BCL	CLEARED	OR	SĘT	A	BIT	IN	ERROR:	AC=0200		
2737	1020	LDA+2Ø											
2740	0400	0400											
2741	1560	BČL+2Ø											
2742	7377	7377											
2743	1460	SAE+20											
2744	0400	0400											
2745	0000	HĻŤ	/BCL	CLEARED	OR	SET	A	BIT	IN	ERROR,	AC=0400		
2746	1020	LDA+20											
2747	1000	1000											
2750	1560	8CL + 20											
2751	6777	6777											
2752	1460	ŠÁÉ+2Ø											
2753	1200	1000											
2754	0000	HĻŤ	/BCL	CLEARED	OR	SET	A	BIT	ĮΝ	ERROR.	AC=1000		
2755	1020	LDA+20											
2756	2000	2000 -											
2757	1560	BCL + 20											
2760	5777	5777											
2761	1460	SAE+20											
2762	2000	2000											
2763	0000	HLT	/BCI	CLEARED	OR	SET	Δ	Bit	T N	FRRAR	AC=2000		
	**	t transf	4 m m gm		٠.١	~ <del>"</del> "	^		* 14	rununt 1	¥ A ∞ E N N N		

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/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                  PAL10
                                                                                   29-0CT-69
                                                                          V141
                                                                                                   1110
                                                                                                            PAGE 40
          2764 1020
                                 LDA+20
          2765 4000
                                 4000
          2766 1960
                                 BCL + 20
          2767
                3777
                                 3777
          2778
               1460
                                 SÁÉ + 20
          2771
               4000
                                 4000
                                                 /END OF BCL TEST 5, SKIP TO BSE TEST 1
          2772 0000
                                 HLT
                                                 /BCL CLEARED OR SET A BIT IN ERROR, AC#4000
                        /BSE TEST1 BSE WILL SET A SINGLE ONE IN A FIELD OF ZEROS
          2773 0011
                                 CLR
                                                 /BSE WILL ATTEMPT TO SET A SINGLE 1 BIT
          2774 1620
                                 BSE+20
                                                 /IN A FIELD OF ZEROS
          2775
                0001
                                 0001
          2776
                1460
                                 SAE+20
          2777
                0001
                                 0001
          3000
                0000
                                 HL T
                                                 /BSE FAILED TO SET AC 11 AC=0001
          3001
                0011
                                 CLR
          3002
                1620
                                 BSE+20
          3003
                0002
                                 0002
          3004
                1460
                                 SAE + 20
          3005
                0002
                                 0002
          3006
                0000
                                 HLT
                                                 /BSE FAILED TO SET AC 10 AC=0002
          3007
                0011
                                 CLR
          3010 1620
                                 BSE + 20
          3011
                0004
                                 0004
          3012 1460
                                 SAE+20
               0004
          3013
                                 0004
          3014
                0000
                                 HLT
                                                 /BSE FAILED TO SET AC 9 AC=0004
          3015
                                 CLR
                0011
          3016
                                 BSE+20
                1620
          3017
                0010
                                 0010
          3020 1460
                                 SAE+20
          3021 0010
                                 0010
                0000
          3022
                                 HLT
                                                 /BSE FAILED TO SET AC 8 AC=0010
          3023
                0011
                                 CLR
          3024 1620
                                 BSE + 20
          3025 0020
                                 0020
          3026
                1460
                                 SAE+20
          3027
                0020
                                 0020
          3030
                0000
                                 HLT
                                                 /BSE FAILED TO SET AC 7 AC#0020
          3031
                0011
                                 CLR
          3032
                1620
                                 BSE + 20
          3033
                0040
                                 0040
          3034
               1460
                                 SAE+20
          3035
                0040
                                 0040
          3036
                0000
                                 HLT
                                                 /BSE FAILEU TO SET AC 6 AC=0040
          3037
                0011
                                 CLR
```

1620

8SE+20

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB PAL10 V141 29-0CT-69 1:10 PAGE 40-1
3041 0100 0100 3042 1460 SAE+20
3043 0100 0100

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/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAH
                                                                   PAL10
                                                                            V141
                                                                                    29-0CT-69
                                                                                                     1110
                                                                                                              PAGE 41
          3044
                 0000
                                  HLT
                                                   /BSE FAILED TO SET AC 5 AC#0100
          3045
               0011
                                  CLR
          3046
                1620
                                  BSE+20
          3047
                 0200
                                  0200
          3050 1460
                                  SAE+20
          3051
                 0200
                                  0200
          3052
                 0000
                                 HLŤ
                                                   /BSE FAILED TO SET AC 4 AC # 0200
          3053
                 0011
                                  CLR
          3054
                1620
                                  BSE+20
          3055
                                  0400
                 0400
          3056
                1460
                                  SAE+20
          3057
                 0400
                                  0400
          3060
                 0000
                                  HL T
                                                   /BSE FAILED TO SET AC 3 AC 8400
          3061
                 0011
                                  CLR
          3062
                1620
                                  BSE * 20
          3063
                1000
                                  1000
          3064 1460
                                  SAE+20
          3065 1000
                                  1000
          3066
                 0000
                                  HLT
                                                   /BSE FAILEU TO SET AC 2 AC=1000
          3067
                 0011
                                  CLR
          3070
                1620
                                  BSE + 20
          3071
                 2000
                                  2000
          3072
                1460
                                  SAE+20
          3073
                 2000
                                  2000
          3074
                 0000
                                  HLT
                                                   /BSE FAILED TO SET AC 1 AC=2000
          3075
                 0011
                                  CLR
          3076
                 1620
                                  BSE + 20
          3077
                 4000
                                  4000
          3100 1460
                                  SAE+20
          3101
                4000
                                  4000
                                                  /END OF BSE TEST 1, SKIP TO BSE TEST 2
          3102
                 0000
                                  HLT
                                                   /BSE FAILEU TO SET AC Ø AC=4200
                         /BSE TEST 2 WILL TRY AND SET ALL BITS
          3103 1020
                                  LDA+20
          3104 7776
                                 7776
          3105
                 1620
                                  BSE+20
          3106
                7777
                                  7777
          3107
                0450
                                  AZE
          3110
                 0000
                                  HL.T
                                                   /BSE FAILED TO SET AC11 AC=7777
                1020
          3111
                                  LDA+20
          3112
                7775
                                  7775
          3113 1620
                                  BSE + 20
          3114
                7777
                                  7777
          3115
                 0450
                                  AZE
          3116
                 0000
                                  HLT
                                                   /BSE FAILED TO SET AC10 AC=7777
          3117
                1020
                                  LDA+20
          3120 7773
                                  7773
```

8SE+210

3121 1620

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29#0CT#69

/PDP-12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDE	C DOVA		PAL10	V141	29 # OCT - 69	1110	PAGE 42
3122	7777	7777								
3123	0450	35A								
3124	0000	HLT	/BSE	FAILED	TO	SET ACOP	AC=7777			
3125	4 (1.2.0)	1 M 4 A M M				•				
3126	1020	LDA+20								
3127	7767	7767								
3130	162Ø 7777	BSE+2Ø 7777								
3131	0450	Á Ž É								
3132	0000	HLT	,000	E A 2 ( E ( )	7 A	CE \$ 4600	1007777			
V, V.		Π <b>ω</b> !	\ DGE	[WIPER	10	SET ACØ8	AU"///			
3133	1020	LDA+20								
3134	7757	7757								
3135	1620	BSE+2Ø								
3136	7777	7777								
3137	0450	ABE								
3140	0000	HLT	/BSE	EVITED	TO	SET ACØ7	AC=7777			
3141	1020	LDA+20								
3142	7737	7737								
3143	1620	8SE+2Ø								
3144	7777	7777								
3145	0450	AZE								
3146	0000	HL T	/BSE	FAILED	10	SET ACRE	AC=7777			
7447	* 08 03 03	1 D 4 + D 7								
3147 3150	1020 7677	LDA+20 7677								
3151	1620	BSE+20								
3152	7777	7777								
3153	0450	AZE								
3154	0000	HLT	/BSE	FAILED	TO	SET ACOS	AC=7777			
7450	4.000	1 6% A . do ca				•				
3155	1020	LDA+20								
3156	7577	7577								
3157 3160	1620 7777	BSE+20 7777								
3161	0450	AZÉ								
3162	8888	HLT	/2 <b>5</b> E	FATIFI	TO.	CC\$ 400A	10-7777			
44.4	NEDE	L) for (	1036	CWITTER	10	SET ACE4	AU"///			
3163	1020	rda+58								
3164	7377	7377 ~								
3165	1620	8SE+20								
3166	7777	7777								
3167	0450	AZE								
3170	8888	HLT	/BSE	EVITED	70	SET AC03	AC=7777			
3171	1020	LDA+20						•		
	6777	6777								
	1620	8SE+2Ø								
3174	7777	7777								
3175	0450	ÁZĖ								
3176	0000	HLT	/BSE	FAILED	TO	SET ACØ2	AC=7777			
3177	1020	LDA+20					*			٠
3200	5777	5777								
to the second		er i v r								

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/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                PAL10 V141
                                                                                29m0CT=69
                                                                                                1110
                                                                                                        PAGE 43
          3281 1620
                                BSE+20
          3282 7777
                                7777
          3203 0450
                                AZE
          3284 8888
                                HLT
                                                /BSE FAILED TO SET ACRI AC#7777
          3205 1020
                                LDA+20
          3206 3777
                                3777
          3287 1620
                                8SE + 20
          3210 7777
                                7777
          3211 0450
                                AZE
                                                /END OF BSE TESTS, SKIP TO BCO TEST 1
          3212 0000
                                HL T
                                                /BSE FAILEU TO SET ACOD AC#7777
                        /BCO TEST 1 BCO WILL COMPLEMENT CORRESPONDING BITS OF THE AC
          3213 0011
                                CLR
          3214 1660
                                BC0+20
          3215 0001
                                0001
          3216 1460
                                SAE+20
          3217
                0001
                                0001
          3228 0000
                                HLT
                                                /BCO FAILED TO COMPLEMENT AC 11 TO A ONE
          3221 0011
                                CLR
          3222 1660
                                BC0+20
          3223 0002
                                0002
          3224 1460
                                SAE+20
          3225 0002
                                0002
          3226 0000
                                HLT
                                                /BCO FAILED TO COMPLEMENT AC 10 TO A ONE
          3227
                0011
                                CLR
          3230 1660
                                BC0+20
          3231 0004
                                0004
          3232 1460
                                SAE+20
          3233
                0004
                                0004
          3234
                0000
                                HL T
                                                /BCO FAILED TO COMPLEMENT AC 9 TO A ONE
          3235
                0011
                                CLR
          3236 1660
                                BC0*20
          3237 0010
                                0010
          3240 1460
                                SAE+20
          3241 0010
                                0010
          3242 0000
                                HLT
                                                /BCO FAILED TO COMPLEMENT AC 8 TO A ONE
          3243 0011
                                CLR
          3244 1660
                                BC0+2Ø
          3245 0020
                                0020
          3246 1460
                                SAE+20
          3247 0020
                                0020
          3250 0000
                                HLT
                                                /BCO FAILED TO COMPLEMENT AC 7 TO A ONE
          3251 0011
                                CLR
          3252 1660
                                BC0 + 20
          3253 0040
                                0040
```

/PDP-12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDE	C DØAH		PAL10	V141	29=007=69	1:10	PAGE 44
3254	1460	SAE + 20								
3255	0040	0040								
3256	0000	HLT	/8¢0	FAILED	TO	COMPLEME	ENT AC	6 TO A ONE		
W en 20 M	***							•		
3257	0011	CLR								
3260	1660	BC0+58								
3261	0100	9168								
3262	1460	SAE+20								
3263	0100	0100								
3264	0000	HLT	/BC0	EVILED	TO	COMPLEME	ENT AC	5 TO A ONE		
3265	0011	CLR								
3266	1660	BCO+20								
3267	ÖZÖÖ	0200								
3278	1460	SAE+2Ø								
3271	144 14									
	0200	0200	1086	E 4 * . #O						
3272	0000	HLT	\R\c	FUILER	TO	COMPLEME	INT ACA	TO A ONE		
3273	0011	CLR								
3274	1660	BC0+20								
3275	0400	0400								
3276	1460	SĂÉ+2Ø								
3277	0400	0400								
3300	ØØØØ	HLŤ	48C0	FATIFO	Ŧn	CUMBIER	TAIT ACT	TO A ONE		
	A C A B	•	,540		, 🐷	DAIL PELL	-14: ~~~	I TO A ONE		
3301	0011	CLR								
3302	1660	BC0 • 2 Ø								
3303	1000	1000								
3304	1460	SÁÉ + 2Ø								
3305	1000	1000								
3306	0000	HLT	/BCO	FAILED	TO	COMPLEME	ENT ACE	TO A ONE		
			,			4				
3307	0011	CLR								
3310	1660	8C0								
3311	2000	2000								
3312	1460	SAE+20								
3313	2000	2000								
3314	0000	HL	/BCO	FAILED	TO	COMPLEME	ENT AC1	. TO A ONE		
3315	0011	CLR								
3316	1660	BCO+2Ø								
3317	4000	4000								
3320										
3321	1460	SAE+20								
3322	4 <b>000</b> 0000	4000	1000	F* A P 1 F* /3			F 4 . m 4 . m m			
9362	0000	HLT	\Rr0	EVITER	TU	COMPLEME	INT ACE	TO A ONE		
3323	1020	LDA+20								
3324	0001	0001								
3325	1660	8¢0+2Ø								
3326	0001	0001								
3327	0450	A Ê Ê								
3330	0000	HLT	/BCn	FAILED	TO	RECOMPLE	EMFNY A	C11 TO A ZERO		
• • •	•	s reservi	,	8 100 mr	, 445,	commission of the party of the	: [ Bel 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ANT TANKETO		
3331	1020	PDV+50								

/PDP-12 CP TEST	PART 2 SKIP	AND DATA HA!	VOLING MAI	NDEC DØA	3	PAL10	V141	29 = OCT = 69	1110	PAGE 45
3332	0002	0002								
3333	1060	BC0+20								
3334	0002	0002								
3335	0450	AZE								
3336	0000	HLT	, ,	SCO FATIFE	) ቸር	DECOMBLE	MENT AC	LØ TO A ZERO		
3020		i top 1	/ '	SOO ENTER	2 10	VEĞOWLPE	MENI AC.	IN IO A EERO		
3337	1020	LDA+20								
3340	0004	0004								
3341	1660	800+28								
3342	0004	0004								
3343	0450	ΑŻĒ								
3344	0000	HLT	/ [	BCO FAILEL	70	RECOMPLE	MENT ACS	TO A ZERO		
	• •	-	,					, , , , , , , , , , , , , , , , , , ,		
3345	1020	LDA+20								
3346	0010	0010								
3347	1660	BC0+20								
3350	0010	0010								
3351	0450	ÁŽE								
3352	0000	HLT	/1	BCO FAILE	70	RECOMPLE	MENT ACI	S TO A ZERO		
								• • • • • • • • • •		
3353	1020	PDV+5R								
3354	0020	0020								
3355	1660	8C0+20								
3356	8828	0020								
3357	0450	AZE								
3360	2222	H <b>L</b> T	/ [	300 EVITE	70	REÇOMPLE	MENT AC	7 TO A ZERO		
1764	4020	1 DA+0/3								
3361 3362	1020 0040	LDA+29 0040								
3363	1660									
3364	2242	800+8 800+8								
3365	Ø 4 5 Ø	ÄŽË								
3366	0000	HLT	/ 6	RCO FATIFO	ነ ቸበ	DECUMBLE	MENT ACA	TO A ZERO		
40,40	2 de 10. 10.	, , page 1	/ -	NAC TUEPES	. 10	UE Ã O NE P	MENT AUC	O TO A EERO		
3367	1020	LDA+20								
3370	0100	0100								
3371	1660	BC0*2Ø								
3372	0100	0100								
3373	0450	AZĒ								
3374	0000	HLT	/ 6	BCO FAILEL	70	RECOMPLE	MENT AC	TO A ZERO		
*								-		
3375	1020	PDA + 2 Ø								
3376	9200	0200								
3377	1660	BC0+20								
3400	0200	0200								
3401	0450	AZĒ	_							
3402	0000	HL, T	/6	ROD EVITE	10	RECOMPLE	MENT AC	TO A ZERO		
3403	1020	LDA+20								
3424	2400	0400								
3405	1660	BCO+2Ø								
3426	Ø400	0400								
3407	0450	AZĒ								
3410	0000	HLT	1	SCO FAILFE	70	RECOMPLE	MENT ACT	3 TO A ZERO		
	•	~	, -	· · 中 : 12 *** 中級特別	, ,	سواها بزارات تشمست	ilmit. Why	- O A EERU		

/PDP=12 CP TEST	PART 2 SKIP A	ND DATA HANDLING	WYINDEC DOVR	PAL10	V141	29 m OCT = 69	1110	PAGE 46
3411	1020	LDA+20						
3412	1000	1000						
3413	1660	BCÔ+2Ø						
3414	1000	1000						
3415	0450	AZĒ						
3416	0000	HLT	/BCO FAILED	TO RECOMPLE	EMENT ACC	TO A ZERO		
- 1 44	7 7 7	1 1 259	) D + O	I O WEZON P	elimiti wide	. : O M LENO		
3417	1020	LDA+20						
3420	2000	2000 -						
3421	1660	BC0+20						
3422	2000	2000						
3423	0450	AŽĒ						
3424	0000	HLT	/BCO FAILED	TO RECOMPLE	EMENT ACS	1 TO A ZERO		
7.40								
3425	1020	rov+5ñ						
3426	4000	4000						
3427 3430	1660	8C0+20						
3431	4 Ø Ø Ø Ø 4 <b>9</b> Ø	4000 A È Ē						
3432	8888 8436	HLT	4000 CA1 CO	#A == Causi		9 80 1 7500		
V402	nhon	761	ABCO EVITED	IN KEĞÜHLE	MENI ALI	P TU A ELKO		
3433	0011	CLR						
3434	1020	LDA+20						
3435	7776	7776						
3436	1460	SAE+2Ø						
3437	7776	7776						
3440	0000	HLT	ABCO EVITED	AC=7776				
3441	0011	CLR						
3442	1660	BC0+20						
3443	7775	7775						
3444	1460	SAE+20						
3445	7775	7775						
3446	0000	HLT	/BCO FAILED	AC=7775				
3447	ØØ11	CLR						
3450	1660	BCO+20						
3451	7773	7773						
3452	1460	SAE+20						
3453	7773	7773						
3454	ଉପ୍ପର୍ଥ	HLT	/BCO FAILED	AC=7773				
3455	0011	CLR						
3456	1660	BC0+2Ø						
3457	7767	7767						
3460	1460	SAĒ+2Ø						
3461	7767	7767						
3462	0000	HLT	/BCO FAILED	AC=7767				
	2244							
3463	0011	CLR						
3464 3465	1660	BCO+20						
3466	7757 1460	7757 SAE+20						
3467	7797	7757						
/	, , , , , , , , , , , , , , , , , , , ,	- · · · · · · · · · · · · · · · · · · ·						

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDE	C DOVR	PAL10	V141	29=0CT=69	1110	PAGE 47
3470	0000	HLT	/BC0	FAILEU	AC=7757				
3471	0011	CLR							
3472	1660	8CO+2Ø							
3473	7737	7737							
3474	1460	SAE+20							
3475	7737	7737							
3476	0000	HLŤ	4860	EATLED	15-22-50				
			7800	LATERA	AC=7737				
3477	0011	CLR							
3500	1660	8C0+2Ø							
3501	7677	7677							
3502	1460	SAE+20							
3503	7677	7677							
3504	0000	HLT	/BCO	EVILED	AC=7677				
3505	0011	CLR							
3506	1660	BCO+2Ø							
3507	7577	7577							
3510	1460	SAE+20							
3511	7577	7577							
3512	0000	HLT	/BCO	ENILED	AC=7577				
3513	0011	CIP							
3514	1660	BCO∻Sã Cľ⊌							
3515	7377	7377							
3516	1460	SAE + 2Ø							
3517	7377	7377							
352Ø	0000		4D 6 0		40-229				
0,5%	0000	HLŢ	7600	LAILER	AC#7377				
3521	0011	CLR							
3522	1660	800+20							
3523	6777	6777 ~							
3524	1460	SAE+2Ø							
3525	6777	6777							
3526	0000	HLŤ	/BC0	FAILED	AC#6777				
3527	0011	CLR							
3530	1660	8CO+5ñ							
3531	5777	5777							
3532	1460	SÁÉ+2Ø							
3533	5777	5777							
3534	0000	HLŤ	/BC0	FAILED	AC=5777				
3535	0011	CLR		e,					
3536	1660	BCO+20							
3537	3777	3777							
3540	1460	SAE+2Ø							
3541	3777	3777							
3542	0000	HLÍ	/BC0	FAILED	AC=3777				
3543	1020	LDA+20							
3544	7777	7777							
3545	1660	8¢0+2Ø							
3546	0001								
3543	CHET	0001							

/PDP=12	CP TEST	PART 2	SKIP AND	DATA	HANDLING	MAINDE	DAVR	PAL10	V141	29=0CT=69	1:	10 P	AGE	48
	3547	1460		SAE+2	28									
	3550	7776		7776	7									
	3551	0000		HLT		/B00 F	AILED	AC=7776						
	3552	1020		LDA+2	Ø									
	3553	7777		7777	~									
	3554	1660		8¢0+2	8									
	3555	0002		0002	-									
	3556	1460		SAE+2	Ø									
	3557	7775		7775	-									
	3560	0000		HLT		/BCO F	VILED	AC=7775						
	3561	1929		LDA+2	Ø									
	3562	7777		7777	*									
	3563	1660		800+2	Ø									
	3564	0004		0004	-									
	3565	1460		SAE +2	Ø									
	3566	7773		7773	-									
	3567	0000		HLŤ		/BCO	AILED	AC=7773						
	3570	1020		LDA+2	Ø									
	3571	7777		7777	-									
	3572	1660		BC0+2	Ø									
	3573	0010		0010	-									
	3574	1460		SAE+2	<b>Š</b>									
	3575	7767		7767										
	3576	0000		HLĪ		/B00 F	VILED	AC=7767						
	3577	1020		LDA+2	Ø									
	3600	7777		7777										
	3601	1660		BC0+2	Ø									
	3602	8638		0650										
	3623	1460		SAE +2	Ď									
	3694	7757		7757		_								
	3605	0000		HLT		/BCO F	TAILED	AC87757						
	3606	1020		LDA+2	Ø									
	3607	7777		7777										
	3610	1660		BC0+2	Ø									
	3611	0040		0040	•									
	3612	1460		SAE +2	Ø									
	3613	7737		7737	-									
	3614	0000		HLT		/BCO E	AILED	AC=7737						
	3615	1020		LDA+2	8									
	3616	7777		7777										
	3617	1660		BC0+2	Ø									
	362Ø	0100		0100	-									

/PDP=12 CP TE	EST PART	2 SKIP AND DATA HANDLING	WYINDEC DOVR	PAL10	V141	29=001=69	1110	PAGE 49
362	21 1460	SAE+20						
362	22 7677	7677						
362		HLT	/BCO FAILED	ACE7677				
		. 1 800	1000 iv. Fri	A0-701,7				
363	24 1020	LDA+20						
363		7777						
367		8C0+2Ø						
367		9200						
363		SAĒ+2Ø						
36		7577						
363		HLŤ	ARCO EATEED	AC-7577				
300	25 5555	ind par	VBCO EVITER	AU*/5//		•		
363	33 1020	LDA+20						
36	34 7777	7777						
363	35 1660	8¢0÷2Ø						
36								
36		Ø4ØØ						
36		SÁÉ+2Ø						
		7377						
36	41 0000	M L. Ť	NBCO EVITER	AC 87377				
36	40 4000	1.04+00						
36		LOA+20						
		7777						
36		B¢0						
36		1000						
36		SÁÉ+20						
36		6777						
36!	50 0000	₩ <b>L</b> Ť	VBCO EVITED	AC=6777				
36!	51 1020	LDA * 20						
369		7777						
369		BCO+2Ø						
36		2000		,				
36!		SĀĒ *20						
36		5777						
36!		HLT	/BCO FAILEU	1000000				
00.	-, 5556	F3 be !	ADOD ENTIRES	W 0 0 2 / 1 /				
36	69 1929	LOA → 2Ø						
36		7777						
36	62 1660	BCO+2Ø						
36		4000						
36	64 1460	SÁÉ+2Ø						
36		3777						
36		HĹŤ	/BCO FAILED	AC = 3777				
30	neer	/ADA TEST 1 (ADA ARITH	MEBIC 15 4:01	CUMBILENENE.				
		Suhu aral + tunu wutili	wello is T.2 /	COULTENEN!)				

3743 1120

3746 0200

LDA+20

ADA+20

SAE+20

/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB PAL1Ø V141 29=0CT=69 1:10 PAGE 50=1
3747 0000 HLT /ADD CARRY AC5=4 FAILED AC=0200

-195 No.

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/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB
                                                                 PAL10 V141
                                                                                 29#0CT#69
                                                                                                 1110
                                                                                                          PAGE 51
          3750 1020
                                LDA+20
          3751
                0200
                                0200
          3752
                1120
                                ADA+20
          3753
                0200
                                0200
          3754
                1460
                                SAE+20
          3755
                0400
                                0400
          3756
                0000
                                HLT
                                                 /ADA CARRY AC4=3 FAILED AC=0400
          3757
                1020
                                LDA+20
          3760
                0400
                                0400
          3761
               1120
                                ADA+20
          3762
                0400
                                0400
          3763
                1460
                                SÃE+20
                                                 /TEST PARTIALLY COMPLETE; CHANGE IF
          3764
               1000
                                1000
          3765 0000
                                HLT
                                                 /ADA CARRY AC3=2 FAILED AC=1000
                        /6141 TEST
          3766
                0002
                                PDP
          3767
                5770
                                5000. +1 = 2000
                                                 /JMP 1 .+1
          3770
                4030
                                4030
                4020
                        a4020
                        /MINOR START LINC MODE.
                0002
          4020
                                PDP
          4021
                5622
                                5600. 41
                                                 /JMP : . . 1
          4022
                0020
                                ØØ2Ø
          4023
                0016
                                NOP
          4024
               0000
                                HLT
                                                 /TO HERE IF 6141 FAILS
                4030
                        *4030
                         /ADA TEST 1 CONT.
          4030 6141
                                LINC
          4031
                1020
                                LDA+20
          4032
                1000
                                1000
          4033
               1120
                                ADA+20
                1000
          4034
                                1000
          4035
                1460
                                SAE+20
                2000
          4036
                                2000
          4037 0000
                                HLT
                                                 /ADA CARRY AC2-1 FAILED AC=2000
```

/SET TEST SET BETA REGISTER . OPERAND

/PDP=12 CP TEST	PART 2 SKIP AND D	ATA HANDLING MAINDEC DØAB	PAL10	V141	29=0CT=69	1110	PAGE 53

4056	0011	CLR								
4057	0061 SETTST,	SET+20+1		/SE	TBR	EGIST	ER Ø	T Q	0000	
4060	0000	0000				-		-		
4061	1440	SÁĒ								
4062	0001	0001								
4063	0000	HĻŤ	/SET C	CANTT	LOAD	0000	INTO	В	REGISTER	A C = Ø Ø Ø Ø
4 Ø 6 4	0061	SET+20+1								
4065	0001	0001								
4066	1020	LĎÄ+2Ø								
4067	0001	0001								
4070	1440	SĀĒ								
4071	0001	0001								
4072	8888	a a	401 7 6	7 A A / A 188 .		~~~	0.4150.0	_		
4D/ &	0000	HLT	\ari	-AN']	POAD	RARI	ĮNIO	Ħ	REGISTER	AC=0001
4073	0061	SET+20+1								
4074	0002	0002								
4075	1020	LDÃ+2Ø								
4076	0002	0002								
4077	1440	SAE								
4100	0001	0001								
4101	0000	HLT	JOET O	~ A N 1 9	LOAD	@ @ @ O	7 14 7	0	DECTORED	10-0000
' als an als	,5 & 15 &		\ami c	Swift, I	b UAU	DDDC	Î IA I O	D	REGISTER	ACERRAS
4102	0061	SET+20+1								
4103	0004	0004								
4124	1020	LDA+20								
4105	0004	0004								
4126	1440	SĀĒ								
4107	0001	0001								
4110	0000	HLT	/SET C	CANIT	LDAD	0004	INTO	В	REGISTER	AC=0004
4.44				•						
4111	0061	SET+20+1								
4112	0010	0910								
4113	1020	LDA+20								
4114	0010	0010								
4115	1440	ŠĀE								
4116	0001	0001								
4117	8888	HLT	/SET	CANIT	LOAD	0010	INTO	₿	REGISTER	AC=0010
4120	0061	SET+20+1								
4121	0020	0020								
4122	1020	LDA+20								
4123	0020	0050								
4124	1440									
4125	** *	SAE								
	0001	0001								
4126	0000	HL <sup>‡</sup>	\ZFI (	CANIT	LOAD	0020	INTO	В	REGISTER	AC=0020
4127	0061	SET+20+1								
4130	0040	0040								
4131	1020	LDA+20								
4132	0040	0040								
4133	1440	SÁE								
4134	0001	0001								
4135	0000	HLT	/SET O	CANIT	LOAD	0040	INTO	А	REGISTER	AP = OLOS AB
<b>∞</b> - <b>r</b>	· • <del>-</del>	े च्छ	, A.E. 1	-ua, T	6 0 A D	2070	4410	'n	VEGIOIEK	40-6848

7777

4214 1440

4215 0001

7777

SAE

0001

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/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DØAB	PAL10	V141	29 m Q C T m 6 9	1:10	PAGE 55
4216	0000	нцт	/S <u>Ļ</u> Ţ	CANIT LOAD	7777	INTO B REGISTER	AC=7777	
4217	0061	SET+20+1						
4220	5252	5252						
4221	1020	LDA+2Ø						
4222	5252	5252						
4223	1440	SAE						
4224	0001	0001						

4225	0000	HĻŤ	/SET	CANIT	LOAD	5252	INTO	8	REGISTER	AC=5252
4226	0061	SET+20+1								
4227	2525	2525								
4230	1020	LÓA+2Ø								
4231	2525	2525								
4232	1440	SÁÉ								
4233	0001	0001								
4234	0000	HĽŤ	/SET	CANIT	LOAD	2525	INTO	В	REGISTER	AC=2525

4235 0062 SET+20+2 4236 0000 0000 4237 0011 CLR 4240 1440 SAE 4241 0002 0002 4242 0000 HLÎ

/SET CAN'T LOAD 0000 INTO 2 AC=0000

SET+20+2 4243 0062 4244 7777 7777 4245 1020 L04+20 7777 4246 7777 4247 1440 SÁÉ 4250 0002 0002 4251 0000 HĻŤ

/SET CAN'T LOAD 7777 INTO 2 AC=7777

/PDP=12 CP TEST	PART 2 SKIP AN	D DATA HANDLING	MAINDEC DØAH	PAL10	V141 29=0CT=69	1110 PAGE 56
4252	ØØ65	SET+20+5				
4253	0000	0000				
4254	0011	CLR				
4255	1440	SAE				
4256	ØØØ5	0005				
4257	0000	HLŤ	SET CAN'T LOAD	ON CAROLON IN	90 5 AC#0000	
1	No les and	Lippe i	AREL CHILL FOND	ุ พลักท 1≀4	IO > AC-BBBB	
4260	0065	SET+20+5				
4261	フラブフ	7777				
4262	1020	LDA+20				
4263	7777	7777				
4264	1440	SAE				
4265	0005	0005				
4266	0000	HLT	SET CAN'T LOAD	7777 IN	TO 5 AC=7777	
-				* * * * * * * * * * * * * * * * * * * *		
4267	Ø Ø 6 6	SET+20+6				
4270	8888	ରଷ୍ଡିତ ୍				
4271	0011	CĽŔ				
4272	1440	SAE				
4273	0006	ଉପ୍ପର୍ଡ ବ				
4274	0000	HLT	SET CAN'T LOAD	0000 IN	TO 6 AC=0000	
A - W -			<del>-</del>			
4275	0066	SET+20+6				
4276	7777	7777				
4277	1020	POY+5R				
4300	7777	7777				
4301	1440	SAE				
4302	0006	0006				
4303	0000	HLT	SET CAN'T LOAD	7777 IN	TO 6 AC#7777	
4304	ØØ67	CET+7043				
4305	0000	SET+20+7				
		9999				
4306	0011	CLR				
4307	1440	SAE				
4310	2007	0007				
4311	0000	HLT	SET CAN'T LOAD	DODO IN	TO 7 AC=0000	
4312	Ø Ø 6 7	SET+20+7				
4313	7777	7777				
4314	1020	LDA+2Ø				
4315	7777	7777				
4316	1440	SÁÉ				
4317	0007	0007				
4320	200	HĹŤ	SET CAN'T LOAD	7777 th	₹	
- O & O	the one are still	rregio	Lami Aule . I POND	IN THE	IU / AU#////	

/PDP-12 CP TEST	PART 2 SKIP AND	DATA HANDLING	MAINDE	C DØA	đ	PAL12	V141	29=0CT-69	1110	PAGE 57
4321	0 U 7 O	SET+20+10								
4322	7 D D D	Ø Ø Ø Ø 🗎								
4323	0011	CĽŔ								
4324		SAE								
4325	7010	0019								
4326	7 Ø Ø Ø	HĹT	/SET	CANIT	LOAD	8888	INTO 10	AC=0000		
4327	7 Ø 7 Ø	SET+20+10								
4330	7777	7777								
4331	1020	LDA + 20								
		7777 -								
4333	1440	SAE								
4334		0010								
4335		HLŤ	SET	CANIT	LOAD	7777	INTO 10	AC=7777		
4336	0071	SET+20+11								
	3 Ø Ø Ø	ଷ୍ଟ୍ର ପ୍ର								
	0011	CLR								
		SAE								
		0011								
	2000	HLT	/SET	CANIT	LOAD	0800	INTO 11	AC=0000		

PAL10 V141

29=0CT=69

1110

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/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB

PAL10 V141

/SET CAN'T LOAD 7777 INTO 15 AC=7777

29 = OCT = 69

1:10

PAGE 59

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAH

LDA+20

7777

0015

HLT

SAE

4432 1020

4433 7777

4434 1448

4435 0015

4436 0000

```
/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                     PAL10
                                                                              V141
                                                                                       29 m O C T m 69
           4437
                 0076
                                   SET+20+16
           4440
                 0000
                                   0000
           4441
                 0011
                                   CLR
           4442
                 1440
                                   SAE
           4443
                 0016
                                   0016
           4444
                 0000
                                   HLT
                                                    /SET CAN'T LOAD 0000 INTO 16 AC#0000
           4445
                 0076
                                   SET+20+16
           4446
                 7777
                                   7777
           4447
                 1020
                                   LDA+20
           4450
                 7777
                                   7777
           4451
                 1440
                                   SAE
           4452
                 0016
                                   0016
           4453
                 0000
                                   HLT
                                                    /SET CAN'T LOAD 7777 INTO 16 AC=7777
           4454
                 0077
                                   SET+20+17
           4455
                 0000
                                   0000
           4456
                 0011
                                   CLR
           4457
                 1440
                                   SAE
           4460
                 0017
                                   0017
           6461
                 0000
                                   HLT
                                                    /SET CAN'T LOAD 0000 INTO 17 AC=0000
                 0077
           4462
                                   SET+20+17
           4463
                 7777
                                   7777
           4464
                 1020
                                   LDA+20
           4465
                 7777
                                   7777
           4466
                 1440
                                   SAE
           4467
                 0017
                                   0017
           4470
                 0000
                                   HLT
                                                    /SET CAN'T LOAD 7777 INTO 17 ACE7777
                          /SCR TEST SCALE RIGHT INTO AC AND MQ
           4471
                0011
                                   CLR
           4472
                 1020
                                   LDA+20
           4473
                 4000
                                   4000
           4474
                 0340
                                   SCR
           4475
                 1460
                                   SAE + 20
           4476
                 4000
                                   4000
           4477
                 0000
                                   HLT
                                                    /SCR Ø FAILED AC=4000 MQ=0000
           4500
                 1020
                                   LDA+20
           4501
                 4000
                                   4000
           4502
                 0341
                                   SCR+1
           4503
                 1460
                                   SAE+20
           4504
                 6000
                                   6000
           4505
                 0000
                                   HLT
                                                    /SCR FAILED BIT 1 AC#6000 MQ#0000
           4506
                1020
                                   LDA+20
           4507
                 4000
                                   4000
           4510
                 0342
                                   SCR+2
           4511
                 1460
                                   SAE+20
           4512
                7000
                                  7000
           4513 0000
```

/SCR FAILED BIT 2 AC=7000 MQ=0000

HLT

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DØAH	PAL10 V141 29=0CT=69
4514	1020	LDA+20		
4515	4000	4000		
4516	0343	SCR+3		
4517	1460	SAE+20		
4529	7400	7400		
4521	0000	HLT	SCR FAILED BIT	3 AC=7400 MQ=0000
4522	1020	LDA+2Ø		
4523	4000	4000		
4524	Ø344	SCR+4		
4525	1460	SAE+20		
4526	7600	7600		
4527	0000	HÇŤ	SCR FAILED BIT	4 ACE7600 MQ=0000
4530	1020	LDA + 20		
4531	4000	4000		
4532	0345	SČŘ•5		
4533	1460	SAE+20		
4534	7700	7700		
4535	0000	HLŤ	SCR FAILED BIT	5 AÇ=7700 MQ=0000
4536	1020	LDA+20		
4537	4000	4000		
4540	0346	SČŘ♦6		
4541	1460	SAE+20		
4542	7740	7740		
4543	0000	HLT	SCR FAILED BIT	6 AC=7740 MQ=0000
4544	1020	LDA+20		
4545	4000	4000 `		
4546	0347	SCR+7		
4547	1460	SAE + 20		
45 <b>5</b> 0	7760	7760 -		
4551	0000	H <b>L</b> Ť	SCR FAILED BIT	7 AC=7760 MQ=0000
4552	1020	LDA+20		
4553	4000	4000		
4554	0350	SCR+10		
4555	1460	SAE+20		
4556	777Ø	7770		
4557	0000	HL T	SCR FAILED BIT	8 AC=7770 MQ=0000

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/PDP-12 CP T	EST PART	2 SKIP AND DATA HANDLING	MAINDEC DEAH	PAL10 V141 29=0CT=69 1:10	PAGE 61
45	60 1020	LDA+20			
45		4000			
45	62 Ø351	SCR+11			
	63 1460	SAE+20			
45	64 7774	7774			
	65 0000	HLT	SCR FAILED	BIT 8 AC=7774 MQ=0000	
4.5	44 4000				
	66 1020	ΓDA+20			
	67 4000	4000			
	70 0352	SCR+12			
	71 1460	SAE+20			
	72 7776	7776			
4 5	73 0000	н⊾Ť	SCR FAILED	BIT 9 AC=7776 MQ=0000	
45	74 1020	LDA+20			
45	75 4000	4000			
45	76 0353	SČŘ+13			
45	77 1460	SAE+20			
46	00 7777	7777			
46		H L T	SCR FAILED	BIT 10 AC=7777 MG=0000	
4.6	02 1020	LDA+20	_		
	03 4000	4000			
	Ø4 Ø354	SČŘ+14			
	05 0005	QAÇ			
_	06 1460 07 2000	SAE + 2 Ø 2 Ø Ø Ø			
			.000		
46	10 0000	HĽŤ	ASCH EVITER	BIT 11 TO 20 AC=7777 MQ=4000	
46	11 0011	CLR			
	12 1020	FDV = 50			
46	13 4000	4000			
46	14 Ø395	SĈŔ+15			
46	15 0005	GAC			
4 6	16 1460	SAÊ+20			
46		3000			
46		HLT	ASCR FATIFO	21 ACE7777 MG=6000	
			Agair Tulens	TA MOSILIA MASSES	
46		CLR			
	22 1020	FDV+50			
	23 4000	4000			
	24 Ø356	SCR+16			
46		OAC			
	26 1460	SAE+20			
	27 3400	3400			
46	30 0000	HLT	SCR FAILED	22 AC 7777 MQ = 7000	
46	31 0011	CLR			
	32 1020	LDA+20			
	33 4000	4000			
	34 Ø357	SĈR*17			
	35 0005	QAC			
	36 1460	SAE+20			
	37 3600	3600			
	4¢ ØØØØ	HĻŤ	ASUB EVALED	23 ACB7575 UO+7AGG	
~ •	the state state state	r⊐ bag !	Lanu Ewtfrh	23 ACE7777 MG=7400	
			<sub>e</sub>		-

/PDP-12 CP TEST	PART 2 SKIP	AND DATA HANDLING	WYINDEC DAYR	PAL10	V141	29=0CT=69	1:10	PAGE 62
4.4.	9.01.4							
4641	0011	CLR						
4642	1020	LDA+20						
4643	6000	ବର୍ଷଷ						
4644	0357	SCR+17						
4645	0005	QAC						
4646	1460	SAE+20						
4647	3700	3700						
4650	0000	HLT	/SCR FAILED	24 ACE7777	MQ=7600			
4651	0011	CLR						
4652	1020	ΓÔ∀÷SΒ						
4653	7000	7000 -						
4654	0357	SCR+17						
4655	0005	QAC						
4656	1460	SAE + 20						
4657	3740	3740 -						
4650	0000	HLT	SCR FAILED	25 AC§7777	MQ=7700			
4661	0011	CLR						
4662	1020							
4663	7400	LDA+20 7400						
4664	0357							
		SCR+17						
4665	0005	GAC						
4666	1460	SAE+2Ø						
4667	3760	3760			_			
4670	ଷ୍ଟ୍ରଷ୍ଟ	HLT	SCR FAILED	36 AC§7777	MQ=7740			
4671	0011	CLR						
4672	1020	LDA+20						
4673	7600	7600 ~						
4674	Ø357	SCR+17						
4675	0005	QAC						
4676	1460	SAE+20						
4677	3770	377Ø ^						
4700	0000	HLT	SCR FAILED	77 ACS7777	MD=7768			
		•	,	a. 1.8 - 1.1.1	110-7700			
4701	0011	СĻЯ						
4702	1020	LDA + 20						
4703	7700	7700 ~						
4704	0357	SCR+17						
4705	0005	QÂC						
4706	1460	SAĒ÷2Ø						
4707	3774	3774						
4710	0000	HĻŤ	SCR FAILED	28 ACE7777	MQ=7770			
			- 1 TH -	······································	,,,,			
4711	0011	CLR						
4712	1020	LDA+2Ø						
4713	7740	7740						
4714	0357	SCR*17						
4715	0005	QAC .						
4716	1460	SAË+2Ø						
4717	3776	3776						
77 to /	0.70	3773						

ī

4720 0000

1110

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/SCR FAILEU BIT 9 ACE7777 MGE7774

/POP=12 CP TEST	PART 2 SKIP A	AND DATA HANDLING	MAINDEC DØAB	PAL10	V141	29m0CTm69	1110	PAGE 63
4721	0011	CLR						
4722	1020	LDA+20						
4723	7760	7760						
4724	Ø357	SCR*17						
4725	0005	QAC						
4726	1460	SAE+2Ø						
4727	3777	3777						
4730	0000	HLT	SCR FAILED BIT	' 4 Ø A C m T	777 MOS	7776		
	NO CONTRACTOR	* * <b>!</b>	Nach Eutfere Bil	TH MONI	/// MU#	///0		
4731	0011	CLR						
4732	1020	LDA+20						
4733	7770	7770 ~						
4734	0357	SCR+17						
4735	0005	QAC						
4736	1460	SAE+20						
4737	3777	3777						
4740	0000	HLŤ	SCR FAILED BIT	11 AC#7	777 MQ#	7776		
				= 3	, , , , , , ,	. , , ,		
4741	0011	CLR						
4742	1650	rov+58						
4743	0001	0001						
4744	0361	SCR+20+1						
4745	Ø Ø Ø 5	QAC						
4746	1460	SAE+20						
4747	2000	2000 <u> </u>						
4750	0000	HLT	SCR +20 FAILED	TO SET	20			
4751	0472	FE=50						
4752	0000	HT	SCR +20 FAILED	ማበ ፍሮም	I TAIM			
		1 1 555 1	Lauran Luthern	I Y JE	Par 1 id L			
4753	0011	CLR						
4754	1020	LDA+20						
4755	7777	7777 ~						
4756	0334	ROR+14+20	/LOADS & 7777					
4757	1020	LDA+2Ø						
4760	7776	7776 Î						
4761	0341	SCR+1						
4762	1460	SAE+2Ø						
4763	7777	7777 <sup>~</sup>						
4764	0000	HLT	SCR FAILED BIT	1				
4765	0005	QAC						
4766								
4767	1460	SAE+2Ø						
4772	1777 ØØØØ	1777	4000 U0000 7 00					
7//80	กุขอย	HL T	/SCR UPSET Z RE	GISTER				
4771	0011	CLR						
4772	1020	LOA+20						
4773	1777	1777						
4774	0341	SCR+1						
4775	1460	SAE+20						
4776	0777	0777						
4777	0000	HLŤ	SCR FAILED BIT	2 AC=Ø7	77			
			<del>-</del>					

/PDP-12 CP TEST	PART 2 SKIP AN	ND DATA HANDLING	MAINDEC DØAH	PAL10 V1	41 29#0CT#69	1:10	PAGE 64
5000	0011	CLR					
5001	1020	LDA+20					
5002	7760	7760					
5003	0357	SCR+17					
5004	0005	QAC					
5005	1460	SAE+20					
5006	3777	3777					
5007	0000	HLT	SCR FAILED BIT	40 ACE7777	M0=7776		
			Look Luther Cat	TA MARILLI	44-7779		
5010	0011	CLR					
5011	1020	LDA+20					
5012	7770	7778					
5013	0357	SCR+17					
5014	0005	QAÇ					
5015	1460	SAË+20					
5016	3777	3777					
5017	0000	HLT	SOR FAILED BIT	15 AC=7777	MQ=7776		
5020	0011	CLR					
5021	1020	LOA > 20					
5022	0001	0001					
5023	0361	SCR+20+1					
5024	0005	GAC					
5025	1460	SAE+20					
5026	2000	2000					
5027	2020	HLT	SCR +20 FAILED	TO SET AN			
5030		·	, m m ,	' W W L   LD			
5ø3 <u>1</u>	0472 0000	FEE+50	.000 +00 EATL CA	*** ***** * * * * * * * * * * * * * *	,		
7901	ត្តសំពុត	HLĪ	SCR +20 FAILED	TH SET LIN	•		
5032	0011	CLR					
5033	1020	LDA+28					
5034	7777	7777 -					
5035	0334	ROR+14+20	/LOADS # 7777				
5036	1020	LDA+2Ø					
5037	7776	7776					
5040	0341	SCR*1					
5041	1460	SAE+20					
5042	7777	7777					
5043	0000	HĻŤ	SCR FAILED BIT	1			
5044	0005	QAC					
5045	1460	SAE+20					
5046	1777	1777					
5047	0000	HLŤ	/SCR UPSET & REC	GISTER			
5050	0011	CLR					
5051	1020	LDA+20					
5052	1777	1777					
5053	0341	SCR*1					
5054	1460	SAE+20					
5055	Ø777	0777					
5256	2000	HLŤ	SCR FAILED BIT	2 AC#0777			

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	WAINDEC DOAH	PALID	V141	29=0CT=69	1110	PAGE 65
5057	1020	LDA+20						
5060	2777	0777						
5061	0341	SCR+1						
5062	1460	SAE+20						
5063	0377	0377						
5064	0000	HLT	SCR FAILED B	**************************************	v "7			
	to no to to	i these i	Latter B	II 3 MUMBU/	,			
5065	1020	LDA+20						
5266	Ø377	0377						
5067	0341	SCR+1						
5070	1460	SAE+20						
5071	0177	Ø177 ~						
5072	ପ୍ରଧ୍ୱ	ĤĹŤ	SCR FAILED B	IT 4 AC=817	77			
6.50								
5073	1020	PDV+50						
5074	0177	Ø177						
5075	0341	SCR+1						
5076	1460	SAE+20						
5077	0977	0077						
5100	9999	HĹŢ	VECK EVITED B	IT 5 AC = 007	77			
5101	1020	LDA+20						
5102	0077	0077						
5103	0341	SCR+1						
5104	1460	SAE+2Ø						
5105	0037	0037						
5106	0000	HLŤ	ACCO CARLED O	19 / 10-00	w 500			
7,50	DDUD	The I	/SCR FAILED B	11 9 WCHRAS	3 /			
5107	1020	LDA+2Ø						
5110	0037	ØØ37 ¯						
5111	0341	SCR+1						
5112	1460	SAE+20						
5113	0017	0017						
5114	ବନ୍ତ୍ର	HLT	SCR FAILED B	IT 7 AC=001	17			
					4 .			
5115	1050	LDA+20						
5116	0017	0017						
5117	0341	SCR+1						
5120	1460	SAE+2Ø						
5121	0007	0007 <sup>-</sup>						
5122	0000	ĤĻŤ	SCR FAILED B	IT 8 AC=000	37			
5123	1020	104420						
5124	0007	LDA * 2 Ø Ø Ø Ø 7						
5125	0341	SČR*1						
5126	1460	SAE+20						
5127	0003	0002 245456						
5130	0000 0000	HLT	7600 EXTLED 0	17 0 10-000	n '9'			
7725	0 5 6 6	n i i	SCR FAILED B	TI A VORDAN	93			

/PDP-12 CP TES	T PART	5 SKIP	AND DATA	HANDLING	MAINDEC	DØAB	PAL10	V141	29-0CT-69	1110	PAGE 66
5131	1020		LDA+2	21							
5132			0003	-							
5133			SCR+1								
5134	1460		SAE+2	Ø							
5135	0001		0001	•							
5136	0000		HLT		/SCR E	AILED BIT	10 ACPE	002			
5137	1020		LDA+2	Ø							
5140	0001		0001	•							
5141	0341		SCR+1								
5142			AZE								
5143	ଷ୍ଟିଷ୍		HLT		/SCR F	VILEN BIL	11 ACER	999			

/LOH TEST 1. TEST BOTH HALVES USING FIXED NUMBERS /TEST LOH RIGHT HALF FLOAT A ONE WITH NOISE NUMBERS IN /THE UNUSED HALF A NEW FLOAT A ZERO

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB

5144	1300	LDH	
5145	5147	, * 2	
5146	0456	SKP	
5147	5200	5200	
5150	1460	SÁĒ 2Ø	
5151	0000	0000 245 55	
5152	** 7 **		O BU EARLED LAWERDS VEN CORE
2122	0000	HLT	/ LOH EAILED ACEDOOD MEM = 5200
5153	4 7 0 0		
	1300	FOH	
5154	5156	, * 2	
5155	0436	SKP	
5156	2501	5287	
5157	1460	SAÊ 2Ø	
5160	0001	0001	
5161	ପ୍ରତିଷ୍	HLT	/LDH FAILED BIT 11 ACHONO1 MEM#2501
			telegram . To a detaum To make the mail to detaute the mail to de
5162	1300	LDH	
5163	5165	. * 2	
5164	Ø496	SKP	
5165	5202	5202	
5166	1460	SAÊ 2Ø	
5167	0002	0002	
5170	0000	HĹŤ	/LOH FAILED BIT 10 AC#0002 MEM#5202
ett . en .			
5171	1300	FDH	
5172	5174	, • 2	
5173	Ø456	SKP	
5174	2504	2504	
5175	1460	SAĒ 20	
5176	0004	0004	
5177	0000	HĹŤ	/LDH FAILED BIT 09 AC#0004 MEM#2504
-			Comment Trades and the State of
5200	1300	LDH	
5201	5203	, + 2	
5202	Ø456	SKP	
5203	5210	5210	
5204	1460	SAE 20	
5205	0010	0010	
5206			A DIV PARLED BER BU LA BELL LIBO BELL
2200	0000	HLT	/LOH FAILED BIT 08 AC=0010 MEM=5210
E n a s	4 7 0 0	. mu	
5207	1300	LDH	
5210	5212	, * 2	
5211	0456	SKP	
5212	2520	2520	
5213	1460	SAE 20	
5214	ØØŹØ	ØØ2Ø *	
5215	ଉଷ୍ଟର	HĻŤ	/LDH FAILED BIT 07 ACR0020 MEM=2520
		₹ .	र आचा । ुप्रकाल क्षेत्र कर्युक्त कर्यात करकाल । bell market कर्या

/PDP=12 CP TEST	PART 2 SKIP A	ND DATA HANDLING	MAINDEC DE	2 V R	PAL10	V141	29=0CT=69	1:10	PAGE 68
5216	1300	LOH							
5217	5221	. • 2							
5220	0456	SKP							
5221	5240	5240							
5222	1460	SAĒ 2Ø							
5223	0040								
5224		0040							
2264	0 N D O	HLT	VEDH EAT	FFA BIL	NO VCBR	0040 MEM	m524Ø		
5225	1300	f D H							
5226	5230	, + 2							
5227	0456	SKP							
5230	2577	2577							
5231	1460	SAÉ 2Ø							
5232	ØØ <b>?</b> 7	ØØ77 ~							
5233	0000	HĻŤ	/LDH FAIL	PEÑ VCHI	0077 MEN	1=2577			
5234	1300	r o k							
5235	5237	* * 5							
5236	2456	SKP							
5237	5276								
		5276							
5240	1460	SAE 20							
5241	0076	Ø <u>Ø</u> 76	_						
5242	0000	HLT	VPDH EVI	PED VC=	0076 MEM	1=5276			
5243	1300	LDH							
5244	5246	* + 5							
5245	0456	SKP							
5246	2575	2575							
5247	1460	SAÉ 2Ø							
5250	Ø Ø 75	0075							
5251	0000	HLT	ALDE EXT	ED Acmo	MATE NEW	4OE7E			
			VPDH EVI	PEŘ WÁSI	ישוש כישו	1822/2			
5252	1300	LOH							
5253	5255	, * 2							
5254	0456	SKP							
5255	5273	5273							
5256	1460	SAÉ 2Ø							
5257	0073	ØØ73 <sup>*</sup>							
5260	0000	HLT	/LDH FAIL	FD ACS	8073 MEN	485273			
-			E amount of a good	चिन्द्र तच्या		. moneton			
5261	1300	LOH							
5262	5264	, + 2							
5263	Ø456	SKP							
5264	2567	2567							
5265	1460	SAĒ 20							
5266	0067	0067							
5267	0000	НĻŤ	/LDH FAIL	TEĎ VC=8	0067 MEM	1=2567			
5270	1300	LOH							
5271	5273	. + Z							
5272	0456	SKP							
5273	5257	5257							
	1460	SAE 20							
5275	0057	0057							
5276		HLT	AL THE EAT	ED 45-6	2 /4 GS 70 14 /7 1-	4-E0E7			
> Z / O	只有食品	rilleg (	/LOH FAIL	FEN ACE	DRS/ WEL	150207			

```
/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB
                                                                 PAL10 V141
                                                                                 29=0CT-69
                                                                                                  1110
                                                                                                          PAGE 69
          5277 1300
                                LDH
          5300 5302
                                 . . 2
          5301
                0456
                                SKP
          5302
                2537
                                2537
          5303
               1460
                                SAE 20
          5304 0037
                                0037
          5305 0000
                                HLT
                                                 /LDH FAILED ACE0037 MEMB2537
                        /LUH TEST
                        TEST LOH LEFT HALF
          5306 1300
                                LDH
          5307 1311
                                 , = 2 = 4000
          5310 0456
                                SKP
          5311
                0000
                                0000
          5312 1460
                                SÁÉ 20
          5313
                0000
                                0000
          5314
                0000
                                HLT
                                                /LOH FAILED ACEDODO MEMEDODO
          5315 1300
                                LOH
          5316 1320
                                 . +2=4000
          5317
                0456
                                SKP
          5320 0152
                                0152
          5321 1460
                                SAE 20
          5322 0001
                                0001
          5323 0000
                                HLT
                                                 /LOH FAILED BIT 05 AC=0001 MEM=0152
          5324 1300
                                LDH
          5325 1327
                                 . +2-4000
          5326 0456
                                SKP
          5327 0225
                                Ø225
          5330 1460
                                SAE 20
          5331 0002
                                0005
          5332 0000
                                HLT
                                                /LOH FAILEU BIT 04 ACE0002 MEM=0225
          5333 1300
                                LDH
          5334
               1336
                                 1=2=4000
                                SKP
          5335 0456
          5336 0452
                                0452
          5337 1460
                                SÃE 20
          5340 0004
                                0004
          5341
               0000
                                HLT
                                                /LDH FAILED BIT 03 AC=0004 MEM=0452
          5342 1300
                                ₽ DH
          5343 1345
                                . +2=4000
          5344 0456
                                SKP
          5345
               1025
                                1025
          5346 1460
                                SAE 20
          5347 0010
                                0010
          5350 0000
                                HLT
                                                /LOH FAILED BIT 02 AC#0010 MEM#1025
          5351 1300
                                LDH
          5352 1354
                                . +2=4000
```

/PDP=12 C	P TEST	PART 2	SKIP AND DATA	HANDLING	MAINDEC	DØYR	1	PAL10	V141	29-0CT-69	1110	PAGE	69-1
	5353	2456	SKP										
	5354	2052	2052										
	5355	1460	SAE 2	Ø									
	5356	0020	0020	-									
	5357	0000	HLT		\rbH E	AILED	FIB	01 ACER	828 MEM	2052			
	5360	1300	LDH										
	5361	1363	. • 2 = 4	000									
	5362	Ø456	SKP										
	5363	4025	4025										
	5364	1460	SÁE 2	Ø									
	5365	0040	0040	-									
	5366	0000	HLT		INDH E	VILED	BIT	8 ĕ AC≡8	1040 MEM	4025			
	5367	1300	LDH										
	537Ø	1372	, +2=4	888									
	5371	0456	SKP										
	5372	7752	7752										
	5373	1460	SAE 2	Ø									
	5374	0077	0077	•									
	5375	0000	HLT		/LDH F	AILED	ACSØ	077 MEN	187752				

/LDH FAILEU AC=0037 MEM=3752

## /STA TEST

		ADIM IEDI		
5 4 5 0				
5450	0011	CLR		
5451	1000	STA+20		
5452	0000	ଉଷ୍କର		
5453	1440	SAE		
5454	5452	. = 2		
5455	ออออ	HLT	ACTA CATICO	10-0000 VEN-0000
	4	-	ADIN LATERA	ACEDOÑO WEMEDODO
5456	1460	SAE+2Ø		
5457	0000	0 0 0 D		
5460	9800	HĹŤ	/AC CHANGED	AC=0000
				•
5461	1020	LDA+20		
5462	7777	7777		
5463	1868	STA+20		
5464	0000	0000		
5465		SÁÉ		
	1448			
5466	5464	, <del>- 2</del>		
5467	8888	HLT	/STA FAILED	ACE7777 MEMS7777
5470	1460	SAE+20	<del>-</del>	•
5471	7777	77 <b>7</b> 7 -		
5472	0000	HLT	/AC CHANGED	ACR7777
		r i egy	Aug Gimunema	AGE////
5473	1020	ΓD∀+5α		
5474	5252	5252		
5475	1060	STA+20		
5476	0000	0000		
5477	1440	SĀĒ		
5500	5476	, « Ž		
5501	0000	ÄLŤ	ASTA FALLED	AC=5252 MEM=5252
5502	1460	SAE+20	Later Contract	1 m 1 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m 2 m
5503	5252	5252		
5504	0000	HLT	446 GUANGEO	10-5050
2264	សស្សស	ĦĻ!	/AC CHANGED	AC#5272
5505	1020	1 DA+20		
	•	FDV+50		
5506	2525	2525		
5507	1060	STA+2Ø		
5510	0000	8888		
5511	1440	SÁÉ		
5512	5510	, <del>n</del> 2		
5513	0000	HLT	ISTA FATIFU	AC=2525 MEM=2525
5514	1460	SAE+20	10.00 Tue # # # #	40-5262 UEUGS252
5515	2525	2525	AEND OF CAN	PECT CUID AND FROM
				TEST SKIP ADM TEST
5516	0000	HLT	/AC CHANGED	AU = 2525
		ACIM TECT ADM ADENIACES	0 10 410	OL CHELE
		/ADM TEST ADM ARITHMETI	r to Jio com	FLEMENT
C C 4 20		a. s		
5517	0011	CLR		
5520	1040	STA		
5521	5523	, *2		
5522	1160	ADM+2B		
5523	ଷ୍ଟ୍ରଷ୍ଟ	0000		
5524	1440	SÃĒ		
- p 1	- 1,5	CF * C Max		

/PDP=12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DØA	B PAL10	V141	29+0CT+69	1:10	PAGE 71-1
5525	5523	, <del>-</del> 2						
5526	0000	HLT	/ADM FAILE	D ACEGGG2				
		•	A Marin Time File	- Manboar				
5527	1020	LDA÷20						
5530	7777	7 <b>777</b>						
5531	1040	SŤA						
5532	5534	, +2						
5533	1160	ADM+20						
5534	0000	0000						
5535	1440	SÃÊ						
5536	5534	, <del>=</del> 2						
5537	0000	HLT	ADM FAILE	Ď VC=0084				
5540	1020	LDA+20						
5541	5252	5252						
5542	1040	STA						
5543	5545	, ±2						
5544	1160	ADM+20						
5545	0004	0004						
5546	1440	ŚĀĒ						
5547	5545	, a Ž						
5550	0000	HLT	/ADM EALLE	D VC=8018				
5551	1020	LDA+2Ø						
5552	2525	2525						
5553	1040	STA						
5554	5556	, *2						
5555	1160	ADM+20						
5556	0010	9010						
5557	1440	SĀE						
5560	5556	r * 2						
5561	0000	HLT	ADM FAILE	D VC=0050				

5634 0211

XSK 11

```
/XSK SKIP TEST XSK IS TESTED BY FLOATING A ZERO THRU A FIELD OF 1777
              /XSK SKIPS ON (Y)=1777
5562 0061
                      SET+20+1
5563 0000
                      0000
5564
     0201
                      XSK 1
5565
      0456
                      SKP
5566
      0000
                      HLT
                                      /XSK SKIPPLU ON 0000
5567
      0062
                      SET+20+2
5570 1776
                      1776
5571 0202
                      XSK 2
5572 0456
                      SKP
5573 0000
                      HLT
                                      /XSK SKIPPED ON 1776
5574
     0063
                      SET+20+3
5575 1775
                      1775
5576 0203
                      XSK 3
5577
      0456
                      SKP
5600 0000
                      HLT
                                      /XSK SKIPPED ON 1775
5601
      0064
                      SET+20+4
5602 1773
                      1773
5603 0204
                      XSK 4
5604
      0456
                      SKP
5605
      0000
                      HLT
                                      /XSK SKIPPED ON 1773
5606
      0065
                      SET+20+5
5607 1767
                      1767
5610 0205
                      XSK 5
5611 0456
                      SKP
5612 0000
                      HLT
                                      /XSK SKIPPED ON 1767
5613 0066
                      SET+20+6
5614 1757
                      1757
5615 0206
                      XSK 6
5616 Ø456
                      SKP
5617
     0000
                      HLT
                                      /XSK SKIPPED ON 1757
5628 8867
                      SET+20+7
5621 1737
                      1737
5622 0207
                      XSK 7
5623 Ø456
                      SKP
5624
     0000
                      HLT
                                      /XSK SKIPPLD ON 1737
5625
     0070
                      SET+20+10
5626 1677
                      1677
5627 0210
                      XSK 10
5630 0456
                      SKP
5631 0000
                      HLT
                                      /XSK SKIPPEU ON 1677
5632 0071
                      SET+20+11
5633 1577
                      1577
```

/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB PAL10 V141 PAGE 72-1 29-0CT-69 1:10

5635 Ø456 5636 ØØØØ SKP HLT

/XSK SKIPPED ON 1577

/PDP=12	CP TEST	PART	2 SKIP	AND DATA HANDLING	WAINDEC DOAR	PAL10	V141	29-0CT-69	1110	PAGE 73
	5637	0072		SET+20+12						
	5640	1377		1377						
	5641	0212		X\$K 12						
	5642	0456		SKP						
	5643	8888		HLT	AXZK ZKIBBFD IN	ERROR	A = 1377			
	5644	0073		SET+20*13						
	5645	Ø777		0777						
	5646	0213		XSK 13						
	5647	0456		SKP						
	5650	9999		HLT	VXZK ZKIBBFD IN	ERROR	A = Ø777			
	5651	0074		SET+20+14						
	5652	1777		1777						
	5653	0214		XSK 14						
	5654	9888		HLT	XSK FAILED TO	SKIP A	1777			

```
/XSK INDEX TEST 2 XSK WILL INDEX THE B REGISTER BY ONE
5655 0061
                       SET+20+1
5656
      0000
                       0000
5657
      Ø221
                       XŠŘ+20+1
5660
      1020
                       LDA+20
5661
      0001
                       0001
5662
      1460
                       SAE+20
5663
      0001
                       0001
5664
      0000
                       HLT
                                        /XSK INDEX FAILED BIT11 AC=0001 B1=0001
5665
      0062
                       SET+29+2
5666
      0001
                       0001
5667
      0222
                       XSK+20+2
5670
      1020
                       LDA+20
5671
      0002
                       0002
5672
      1460
                       SAE+20
5673
      0002
                       0002
5674
      0000
                       HLT
                                        /XSK INDEX FAILED BIT10 AC#0002 B2#0002
5675
      0063
                       SET+20+3
5676
      0003
                       0003
5677
      Ø223
                       XSK+2Ø+3
5700
      1020
                       LDA+20
5701
      0004
                       0004
5702
      1460
                       SAE + 20
5703
      0004
                       0004
5704
      0000
                       HLŤ
                                        /XSK INDEX FAILED BIT9 ACED004 B3=0004
5705
      0064
                       SET+20+4
5706
      0007
                       0007
5707
      0224
                       XSK+20+4
5710
      1020
                       LDA+20
5711
      0010
                       0010
5712
      1460
                       SAE+20
5713
      0010
                       0010
5714
      0000
                       HLT
                                        /XSK INDEX FAILED BITS ACED010 B4=0010
5715
      0065
                       SET+20+5
5716
      0017
                       0017
5717
      0225
                       XSK+20+5
5720
      1020
                       LDA+20
5721
      0020
                       0020
5722
      1460
                       SAE+20
5723
      0020
                       0020
5724
      0000
                       HLT
                                        /XSK INDEX FAILED BIT7 AC=0020 B5=0020
5725
      0066
                       SET+20+6
5726
      0037
                       0037
5727
      0226
                       XSK+20+6
5730
      1020
                       LDA+20
5731
      0040
                       0040
5732 1460
```

SAE + 20

PALLS V141 29 0CT = 69 POPPIZ CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DRAB 8 T 8 3733 2648 3734 2888

PAGE 74-1

1110

/XSK INDEX FAILED BIT6 AC#0040 B6#0040

/JMP I .+1

5000.41

6001

PAL10

V141

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1110

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/PDP=12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB

5776

5777 6001

5777

/STH FAILED AC=5210

HLT

6055 0000

/STH FAILED ACE5240

/STH FAILED AC#2576

6066 1440 SAE 6067 6063 . 50 4 0000 HLT 6070 /STH FAILEU AC=2520 6071 1020 LDA+20 6072 2540 2540 5073 1340 STH 6074 6076 , +2 6275 0456 SKP

2520

6076 5200 5200 6077 1020 LDA+20 6199 5240 5240 6101 1440 SAE 6102 6076 , = 4 HL.T 6103 0000

6065

2520

6184 1828 LDA+28

6185 5276 5276 6106 1340 STH 6197 6111 . +2 6118 0456 SKP 6111 2500 2500 6112 1020 LDA+20 2576

6113 2576 2576 6114 1440 SAÉ 6115 6111 ...4 6116 0000 HLT

6117 1020 LDA+20 6120 2575 2575

2575 6121 1340 STH 6122 6124 , +2 6123 0456 SKP 6124 5288 5200 6125 1020 LDA+20 6126 5275 5275 6127 1440 SAE 6130 6124 , = 4

HLT

6131 0000

/STH FAILED AC=5275

		/LDH TEST	
		LEFT HALF	
6206	1020	LDA+2Ø	•
6207	2501	2501	
6210	1340	STH	
6211	2213	. + 2 = 4 0 0 0	
	Ø456	SKP	
6213	8852	0052	
6214	1020	LĎÁ+20	
6215	0152	0152	
6216	1440	SAE	
6217	6213	, m 4	
6220	0000	h <u>i</u> T	ACTU FATUED ACMOORA
~ L E	0000	ri bari	STH FAILED ACHOORS
6221	1020	LDA+20	
6222	5202	5202	
6223	1340	STH	
6224	2226	. +2=4990	
6225	Ø456	SKP	
	Ø Ø 25	0025	
6227	1020	LÓA+20	
6230	0225	0225	
6231	1440	SAE	
6232	6226	2 m 4	
6233	0000	ĤĹŤ	STH FAILED ACEDORS
		** <b>*</b> ;	Again Cuitra Moshnar
6234	1020	LDA+2Ø	
6235	2504	2504	
6236	1340	SŤĤ	
6237	2241	. = 2 = 4000	
6240	0456	SKP	
6241	0052	0052	
6242	1020	ľQ∀+58	
6243	0452	0452	
6244	1440	SÄE	
6245	6241	, • 4	
6246	ବର୍ଷ୍ତ	Ĥ <b>Ļ</b> Ť	/STH FAILED AC=ØØØ4
6048	4 0 0 0	104.00	
6247	1020	LDA+20	
6258	5210	5210	
6251	1340	STH	
6252	2254	. +2 = 4000	
6253	2456	SKP	
6254	0025	0025	
6255	1020	TOV+50	
6256	1025	1025	
6257	1440	SAE	
6268	6254	* <del>* *</del>	
6261	8888	HLT	STH FAILED ACEROSE

7752

/SKIP TO SHO TEST 1

/STH FAILED AC=7752

SAE

, = 4

HL T

6317 7752

6320 1440

6321 6315

6322 0000

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```
/PDP+12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB
                                                                    PAL10 V141
                                                                                     29-0CT-69
                                                                                                               PAGE 81
                                                                                                      1:10
                          /SRO TEST 1
          6323
                 1020
                                  LDA+20
          6324
                 0000
                                  0000
          6325
                 4327
                                  STC ,+2-2000
          6326
                 1520
                                  SR0+20
          6327
                 0000
                                  0000
          6330
                 0000
                                  HLT
                                                   /SRO SKIP FAILED
          6331
                 1000
                                  LDA
          6332
                 6327
                                  , #3
          6333
                 1460
                                  SAE+20
          6334
                0000
                                  0000
          6335
                 0000
                                  HĻŤ
                                                   /SRO ROTATE FAILED ACROSOS
          6336
                1020
                                  LDA+20
          6337
                 4000
                                  4000
          6340
                 4342
                                  STC . +2-2000
          6341
                1520
                                  SR0+20
          6342
                0000
                                  0000
          6343
                 0000
                                  HLT
                                                   /SRO SKIP FAILED
          6344
                 1000
                                  LDA
          6345
                 6342
                                  , = 3
                                  SAE+20
          6346
                1460
          6347
                 2000
                                  2000
          6350
                 0000
                                  HLT
                                                   /SRO ROTATE FAILED AC#2000
          6351
                1020
                                  LDA+20
          6352
                                  2000
                 2000
          6353
                                  STC . = 2 = 2000
                 4355
          6354
                 1520
                                  SR0+20
          6355
                0000
                                  0000
          6356
                0000
                                  HLT
                                                   /SRO SKIP FAILED
          6357
                 1000
                                  LDA
          6360
                 6355
                                  , = 3
          6361
                1460
                                  SAE+20
          6362
                 1000
                                  1000
          6363
                 0000
                                  HLT
                                                   /SRO ROTATE FAILED ACRIDOD
          6364
                1020
                                  LDA+20
          6365
                                  1000
                1000
          6366
                 4370
                                  STC . +2-2000
                                  SR0+20
          6367
                1520
          6370
                 0000
                                  0000
          6371
                 0000
                                  HLT
                                                   /SRO SKIP FAILED
          6372
                1000
                                  LDA
          6373
                 6370
                                  , m 3
          6374
                1460
                                  SAE+20
          6375
                0400
                                  2400
          6376
                 0000
                                  HLT
                                                   /SRO ROTATE FAILED AC#04000
          6377
                1020
                                  LDA+20
          6400
                 0400
                                  0400
          6401
                 4403
                                  STC . +2-2000
          6402
                 1520
                                  SR0 + 20
          6403
                 0000
                                  0000
```

/SRO SKIP FAILED

НĻŤ

SR0+20

/SRO SKIP FAILED

BRAR

HLŤ

LDA

, -3

0010

SAE+20

6456

6457

6468

6461

6462

6463

6464

1520

8988

0000

1000

1460

0210

6457

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6506 0000 HLT /SRO SKIP FAILED 6507 1000 LDA 6510 6505 , m 3 SAE+20 6511 1460 6512 0002 0002 HLP 0000 6513 /SRO ROTATE FAILED AC#0002 6514 1020 LDA+20 6515 0002 0002

6516 4520 STC , +2-2000 6517 SR0+20 1520 6520 0000 8000 0000 6521 HLT /SRO SKIP FAILED 6522 1000 LDA - 3 6523 6520 6524 1460 SAE+20 6525 0001 0001 0000 6526 HLT /SRO ROTATE FAILED AC=0001

6527 1020 LDA+20 6530 3776 3776 6531 4533 STC , +2-2000 1520 SR0+20 6533 0000 0000 6534 0000 HLT /SRO SKIP FAILED 6535 1000 LDA 6536 6933 , = 3 6537 1460 SAE+20 6540 1777 1777

HLT

6541 0000

/SRO ROTATE FAILED AC=1777

HLT

/SRO ROTATE FAILED ACE

6615 0000

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1110

		/SHD TEST 1		
6616	1020	LDA+20		
6617	0010	0010		
662Ø 6621	1400 6624	SHD		
6622	0024 0000	,+3 2000 U T	ADUD CASIED	10-0010 NEW 0000
6623	Ø456	HLT	AND FAILED	AC=0010 MEM=0000
6624	0 4 2 0 0 3 0 0	SKP ØØØØ		
0024	0000	อดกัก		
6625	1020	LDA+20		
6626	0020	8820		
6627	1400	SHD		
6630	6633	. + 3 2000		
6631	9898	HLT	/SHD FAILEU	AC=0020 MEM=0000
6632	0456	SKP	-	
6633	0000	ଷ୍ଟର୍ଷ		
6634	1020	LDA+20		
6635	0040	0040		
6636	1400	SHÖ		
6637	6642	, +3 2000		
6640	8888	HLT T	/SHD FAILED	AC=0040 MEM=0000
6641	0456	SKP		10 DD - 10 THE TO B DD
6642	0000	ភ្លស់ស្ន		
6/17				
6643 6644	1020 0001	LDA+20		
6645	1400	ØØØ1 SHD		
6646	6651			
6647	3 8 8 8 0 0 0 7	,*3 2000 HLT	ACHD EXTLED	10-0044 VCV-0000
6650	2456	SKP	VOUD ENTER	AC=0001 MEM=0000
6651	0000	ର୍ଷ୍ୟର		
6652	1020	LDA+20		
6653	2225	8885		
6654	1400	SHD		
6655	6560	. + 3 2000		
6656	2323	HLT	/SHD EATLED	AC=0002 MEM=0000
6657	2456	SKP		
6660	0302	ឧទសិ		
6661	1020	LDA+20		
6662	0004	2004 2004		
5663	1402	SHĎ		
6664	6667	,+3 2000		
6665	8888	HLT	/SHD FAILED	AC=0004 MEM=0000
6666	8456	SKP		•
6667	8888	ରର୍ଷ୍		
6670	1432	SHD		
6671	6674	. +3 2000		
6672	ឧត្តខ	HLT	/SHD FATHFU	AC=0204 MEM=1000
6673	0456	SKP	1 m. m	
6674	1000	1000		
		*		

/PDP-12 CP TEST	PART 2 SKĮP	AND DATA HANDLING	MAINDEC DØAB	PAL1Ø	V141	29=0CT=69	1:10	PAGE 86
6675	1400	SHU						
	-							
6676	6701	.+3 5000						
6677	0000	HLT	/SHD FAILED	ACROOM4 MEI	M=2000			
6700	0456	SKP						
6701	2000	5000						
6702	1400	SHD						
6703	6706	. +3 2000						
6704	0000	HLT	/SHD FAILED	ACBØØØ4 MEI	M = 4 Ø Ø Ø			
6705	0456	SKP		7. T. M. M. M. J. 1188.				
6706	4200	4000						
6707	1400	SHD						
6710	6713	, + 3						
6711	ଷ୍ଟରଷ	HLT	SHD FAILED	ACSOBOA ME	M=0040			
6712	Ø456	SKP						
6713	0040	0040						
6714	1400	SHD						
6715	6720	, ÷3 2000						
6716	0000	HLT	/SHD FAILEU	ACERORA ME	M = Ø 1 Ø Ø			
6717	Ø456	SKP			(1 - 34 86 20 10			
6720	0100	0100						
672 <u>1</u>	1400	SHD						
6722	6725							
		**3 5000						
6723	0000	HLT	/SHD EAILED	ACEDODA ME	M=0200			
6724	0456	SKP						
6725	0500	<b>0500</b>						
6726	1400	SHD						
6727	6732	.+3 2000						
6730	0000	HLT	/SHD FAILED	AC=0004 ME	M = Ø 4 Ø Ø			
6731	0456	SKP						
6732	0400	0400						
6733	1400	SHD						
6734	6757	, * 3						
6735	0000	HLT	JOHN CATIFO	AC-0004 WE	u m a a a a			
6736	0456	SKP	/SHD FAILED	ACADEBA WE	W B R R R S			
	0002							
6737	ριό iộ <b>Σ</b>	ก <b>ถ</b> ัง5						
6740	1400	SHD						
6741	6744	, + 3						
6742	Ø456	ŠKĖ						
6743	0000	HLT	SHD FAILED	ACEGGGA ME	M m O O O O			
6744	0004	0004	Laur Turfen	HALDEN UT	n a n n n a			
6745	1400	SHD						
6746	6751							
		, * 3						
6747	0000	HLT	/SHD FAILED	AC=0004 ME	M=0010			
6750	0456	SKP						
6751	0010	0010						

/PDP-12	CP	TEST	PART	2	SKIP	AND	DATA	HANDLING	MAIND	EC DAVR	PAL:	LØ V141
	6	752	1400				SHD					
	6	753	6756				, + 3					
	6	754	0000				ĤĻ T		/SHD	FAILEU	AC=0004	MEM=0020
		755	0456				SKP		•			
	6	756	0020				กคีรด					
			1020				LDA+2	Ŕ				
		760	0020				8858					
		761	1400				SHD					
		762	6765				, + 3					
		763	9999				HLT		/SHD	ENTLEN	VC=0050	MEM=0000
		764	Ø456				SKP					
	C	765	0000				ุ กด์ดิด					
		766	1020				LDA+2	Ò				
		767	0040				0040					
		770	1400				SHD					
		771	6774				, <del>*</del> 3					
		772	0000				HLT		/SHD	ENTLED	AC=0040	MEM=0000
		773	0456				SKP					
	C	774	8000				พลักด					
	6	775	0011				CLR					
	6	776	1400				SHD					
	6	777	7002				. +3					
	7	999	0000				HLŤ		/SHD	FAILED	AC = 0000	MEM=0001
	7	881	0456				SKP		•			-
	7	882	0001				0 N N 1					
		223	1020				LDA+2	Ø				
		204	0002				0005					
		005	1400				SHD					
			7011				, * 3					
		287	8888				HĻŤ		/SHD	FAILED	VC=00ñ5	MEM=0000
		212	0456				SKP					
	7	211	9000				ลลัลอ					
			1020				LDA+2	Ø				
			0004				0004					
		214	1400				SHD					
			7020				. * 3					
			9000				HLT		/SHD	EVILED	AC=0004	MEM=0000
		217	Ø456				SKP					
	/	222	6888				ลลล่อ					
	7	221	1020				LDA+2	Ø				
			2010				0010	-				
			1400				SĤD					
			7027				, + 3					
			0000				HLŤ		/SHD	FAILED	AC=0010	MEM=0000
		326	2456				SKP				~	
	7	227	0000				ดต่อด					

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## /SHD TEST

7030 7031 7032 7033 7034 7035 7036	1020 5201 1400 7036 0000 0456 0000	LDA+20 5201 SHD .+3 HLT SKP UUU0	/SHD	ËAILED	AC≈5200	MEM=0000
7037 7040 7041 7042 7043 7044 7045	1020 2577 1400 7045 0000 0456 0001	LDA+20 2577 SHD .+3 HLT SKP	/SHD	EAILED	AC#2577	M
7046 7047 7050 7051 7052 7053 7054	1020 5201 1400 7054 0000 0456 5200	LDA+20 5201 540 .+3 HLT SKP 5200	/SHD	FAILED	AC#52½1	MEM=5200

## /LAM TEST LAM ARITHMETIC IS 2'S COMPLEMENT

```
7055
     0011
7056
      5060
                      STC . +2=2000
7057
     1220
                      LAM+20
     0000
7000
                      0000
7061
     1460
                      SAE+20
7062
     0000
                      0000
7063
     0000
                      HLT
                                      /LAM FAILEU AC=0000 MEM=0001 L=0
7064 1020
                      LDA+20
7065 4000
                      4000
7066 0261
                      ROL + 20 + 1
7067
     5071
                      STC . +2-2000
7070 1220
                      LAM+28
7071
     0000
                      2000
7072 1460
                      SAE+20
7073 0001
                      0001
7074
     0000
                      HLT
                                      /LAM FAILEU AC=0001 MEM=0001
7075 1020
                      LDA+20
7076 4000
                      4000
7077
     0261
                      ROL + 20 + 1
7100 5104
                      STC . 4-2000
7101 1020
                      LDA+20
7102 0001
                      2001
7103 1220
                      LAM+20
7104
      0000
                      2000
7105
     1460
                      SAE+20
7106 0002
                      0005
7107
     0000
                      HLT
                                      /LAM FAILEU AC=0002
7110 1020
                      LDA+20
7111
     4000
                      4000
7112 0261
                      ROL+20+1
7113 5117
                      STC . +4-2000
7114 1020
                      LDA+20
7115 0003
                      2003
7116 1220
                      LAM+20
7117
     0000
                      2000
7120 1460
                      SAE+20
7121 0004
                      0004
7122
     0000
                      HLT
                                      /LAM FAILED AC=0004
7123 1020
                      LDA+20
7124 4000
                      4000
7125 0261
                      ROL + 20+1
7126 5132
                      STC . 44-2000
7127 1020
                      LDA+20
7130
     0007
                      3007
7131 1220
                      LAM+20
7132
     9999
                      0000
7133 1460
                      SAE+20
7134 0010
                      0010
```

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29-0CT-69

PAL18 V141

LAM FAILED ACHOOSE

/PDP-12 CP TEST PART 2 SKIP AND DATA MANDLING MAINDEC DOAB Ħ,

7135 0000

0200

/LAM FAILED AC=0200

ΗLŤ

7210 0200

7211 2200

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DØAB

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LDA+20

7777

7272 1020

7273 7777

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/PDP-12 CP TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DØAB	PAL10	V141	29=0CT=69	1110	PAGE 91-1
7274	1220	LAM+20						
7275	0000	ଉଷ୍ଡ ି						
7276	1460	SAE*20						
7277	0000	0000						
7300	0000	нцŤ						
7301	0472	75E+50						
7302	ออื่ออ	HLT	ALAM EATHED	A C = 0 0 0 0 0				
, 0 %	/	FT Sec. 1	TAM EVITED	VC-BBBBB				
	/COM	TEST						
	/ ***							
	•							
7303	1020	LDA+20						
7304	5252	5252						
7305	0017	COM						
7306	1460	SAE+20						
7307	2525	2525						
7310	0000		ARRIN EATHER	10-0835				
7348	0000	HLT	ACOM EVITED	ACMEDED				
7311	0017	COM						
7312	1460	SAE+20						
7313	5252	5252						
7314	8888	HLT	COM FAILED	AC=5252				
		· : •••	10011 11465	44-28-6				
7315	1020	LDA+20						
7316	7777	7777						
7317	0017	CÓM						
7320	1460	SAE * 20						
7321	0000	0000						
7322	0000	HLT	COM FAILED	AC=0000				
		· · ·		71- 2-2-				
7323	0017	COM						
7324	1460	SAE+20						
7325	7777	7777 ~						
7326	9999	HĹŤ	/COM FAILED	AC=7777				
			- · · · -	,				
	/STC	TEST						
7327	1020	LDA+20						
7330	5252	5252						
7331	4000	STC+0000						
7332	0450	AZE						
7333	0000	HLT	ACTO EATLED	70 0 540	10-0000			
,,,,,	200	rīko !	/STC FAILED	ID CLEAK	ACENADA			
7334	1020	LDA+20						
7335	5252	5252						
7336	1440	SAE						
7337	0000	0000						
7340	0000	HĻŤ	STC FAILED	TO STORE	PROPER NUM	BER		
~ · ·	4.20.0							
7341	1020	LDA+20						
7342	2525	2525						
7343	5/77	STC+1777						
7344	0450	AZE						
7345	0000	HLT	STC FAILED	TO CLEAR	AC=0000			

/PDP=12 C	P TEST	PART 2 SKIP	AND DATA HANDLING	MAINDEC DØAH	PAL10	V141	29-0CT-69	1:10	PAGE 91-2
	7346	1020	LUA+20						
	7347	2525	2525						
	7350	1448	SAE						
	7351	1777	1777						
	7352	0000	ĤĹŤ	STC FAILED TO	STORE P	ROPER NUM	BER		
	7353	1020	LDA+2Ø						
	7354	2525	2525						
	7355	4000	STC+ØØØØ						
	7356	1020	LDA+20						
	7357	2525	2525						
	7360	1440	SAE						
	7361	0000	0000						
	7362	8688	HĻŤ	ASTC EATTED TO	STORE P	ROPER NUM	IBER		
	7363	1020	LDA+20						
	7364	5252	5252						
	7365	5777	STC+1777						
	7366	1020	LDA+20						
	7367	5252	5252						
	7372	1440	SAE						
	7371	1777	1777						
	7372	0000	ĤĹŤ	STC FAILED TO	STORE P	ROPER NUM	BER		

```
7373 0011
                     CLR
7374
     3424
                     ADD K2525-4000
7375
     3425
                     ADU K2526-4000
7376
    1460
                     SAE 20
7377 5253
                     5253
7400 0000
                     HLT
                                     /ADD FAILED AC=5253
     0011
7481
                     CLR
7482 3425
                     ADD K2526=4000
7403 3424
                     ADD K2525=4000
7404 1460
                     SAE 20
7405 5253
                     5253
7486
    0000
                     HLT
                                     /ADD FAILED AC=5253
7487
     3426
                     ADD KOOOO-4000
7410 3426
                     ADD KØØØØ=40ØØ
                                    /TO CLEAR FILE
7411 0002
                                     /TO PMODE
7412 2230
                     ISZ CTR-5400+200
                                             /ISZ CTR (RING BELL 4096 TIMES)
7413 5215
                     5000.42-2400+200
                                             /JMP . +2
7414 5217
                     5000 BELL-2400-200
                                             /JMP BELL
7415 5616
                                             /JMP 1 .41
              BACK:
                     5000, +1-2000+200
7416 2033
                     0033
                                             /RETURN TO SECOND TEST
7417 7300
              BELL
                     CLL CLA
7420 1231
                     TAD KBELL-6400+200
                                             ITAD KBELL
7421 6046
                     TLS
7422 7300
                     CLL CLA
7423 5215
                     5000 BACK=2400+200
                                             /JMP BACK
7424 2525
              K2525, 2525
7425 2526
              K2526, 2526
7426 0000
              K0000. 0000
7427 0000
              TALLY
                     Ø
7438 0000
              CTH,
7431 0207
              KBELL: 0207
                     $
```

/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DEAB

4000	ଷ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ ଅଧିକ	00000000	11111000	11111111	11111111	11111111	11111111	11111111
4100	1111111	11111111	11111111	11111111	11111111	11111111	11111111	
	*****	***	****	*****	****	*******	1111111	11111111
4200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
4300	11111111	11111111	11111111	11111111		******		
.,000	****	******	4177777	****	11111111	11111111	11111111	11111111
4400	11111111	11111111	11111111	4444444				
4500	11111111	11111111		11111111	11111111	11111111	11111111	11111111
4500	4777777	11111111	11111111	11111111	11111111	11111111	11111111	11111111
4600	11111111							
4700		11111111	11111111	11111111	11111111	11111111	11111111	11111111
4/60	11111111	11111111	11111111	11111111	11111111	1111111	11111111	11111111
5000								
	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
5100	11111111	11111111	11111111	11111111	11111111	1111111	11111111	11111111
5200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
5300	1111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
E 400								
5400	11111111	11111111	11111111	11111111	1111111	11111111	11111111	11111111
5500	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
						,		
5600	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
5700	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
<b>6888</b>	01111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
6100	11111111	11111111	11111111	11111111	11111111	1111111	11111111	11111111
								****
6200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
6300	11111111	11111111	11111111	11111111	1111111	11111111	11111111	11111111
~						7,	****	*****
6400	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
6500	11111111	11111111	11111111	1111111	11111111	11111111	11111111	11111111
•						***	****	****
6600	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
6700	11111111	11111111	11111111	11111111	1111111	1111111	11111111	11111111
						****	****	****
7000	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
7100	11111111	1111111	11111111	11111111	11111111	11111111	11111111	11111111
				****		****	1977777	***
7200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
7300	1111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
- 7 T						*******	****	*****
7400	11111111	11111111	11111111	11000000	80800000	00000000	00000000	20222222
7500	00000000	SSSSSSSS	99999999	80000000	00000000 00000000	00000000 00000000		
, - III NA	~ ~ ~ ~ W W W W		~ D D D D D D D	20000000		กกกักกกกด	99999999	88888888
7600								
7700								

/PDP-12	CP TEST	PART 2	SKIP A	ND DATA	HANDLING	MAINDÉC	DØAR	PAL10	V141	29-0CT-69	1110
	ADA	1100		SRO	1500						
	ADATST	3667		STA	1040						
	ADD	2000		START	0020						
	ADM	1140		STC	4000						
	AND	9999		STH	1340						
	APO	0451		SXL	0400						
	ATR	0014		TAD	1000						
	AZE	0450		TALLY	7427						
	BACK	7415		TLS	6046						
	BCL	1540		XSK	øŝøø						
	BCO	1640									
	BELL	7417									
	BSE	1600									
	CLA	7200									
	CLL	7100									
	CLR	0011							u.		
	CML	7020									
	COM	0017									
	CTR	7430									
	DCA	3000									
	FLO	0454									
	HLT	0000									
	182	0453									
	IOT	0513									
	IS₹	2000									
	KUDOU	7426									
	K2525	7424									
	K2526	7425									
	KBELL	7431									
	KST	0415									
	LAM	1200									
	LAS	7604									
	LDA	1000									
	LDH	1300									
	LINC	6141									
	LZE	0452									
	MUL NOP	1240									
	PDP	0016 0002									
	QAC	0002									
	GT 5	0455									
	ROL	024Ø									
	ROR	0300									
	RTA	0015									
	RTL	7006									
	SAE	1440									
	SCR	0340									
	SET	0040									
	SETTST	4057									
	SHD	1400									
	SKP	0456									
	SNS	0440									

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/PDP-12 CP TEST PART 2 SKIP AND DATA HANDLING MAINDEC DOAB

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ERROR

