IDENTIFICATION

PRODUCT CODE: MAINDEC-8/E-DØAB

PRODUCT NAME: PDP-8/E INSTRUCTION TEST 1

DATE CREATED: MAY 10, 1971

MAINTAINER: DIAGNOSTIC GROUP

AUTHOR: ED FORTMILLER



1. ABSTRACT

THIS IS A DIAGNOSTIC PROGRAM FOR TESTING THE AND, TAD, OPERATE, AND BASIC MQ, INSTRUCTIONS OF THE PDP-8/E ONLY.

- 2. REQUIREMENTS
- 2.1 EQUIPMENT

A PDP-8/E EQUIPPED WITH TELETYPE.

2.2 STORAGE

THIS PROGRAM USES LOCATIONS 0000-5314. THE BINARY LOADER MUST BE STORED IN THE LAST MEMORY PAGE.

- 2,3 PRELIMINARY PROGRAMS
- 3. LOADING PROCEDURE
- 3.1 METHOD

THE STANDARD BINARY LOADER IS USED.

- 4. STARTING PROCEDURE
- 4.1 CONTROL SHITCH SETTINGS

SR=7777

4.2 STARTING ADDRESS

0200

- 4.3 OPERATOR ACTION
 - 1. SET SR TO 200 AND PRESS LOAD ADDRESS.
 - 2. SET SR TO 7777 AND PUSH CLEAR AND CONTINUE
 - 3. PROGRAM WILL HALT. MA=147
 - 4. IF AC IS NOT EQUAL TO 0000 AN ERROR HAS OCCURRED.
 - 5. PUSH CONTINUE. PROGRAM WILL RUN UNTIL STOPPED OR UNTIL AN ERROR IS ENCOUNTERED.

5. OPERATING PROCEDURE

SAME AS SECTION 4.

- 6, ERRORS
- 6.1 ERROR HALIS AND DESCRIPTION

SEE LISTING.

6,2 ERROR RECOVERY

IF IT IS DESIRED TO LOOP ON THE TEST CAUSING THE ERROR, REPLACE THE OPERATE INSTRUCTION(S) PRECEDING THE HLT WITH A JMP TO THE BEGINNING OF THE TEST.

- 7. RESTRICTIONS
- 7.1 STARTING RESTRICTIONS: NONE
- 7,2 OPERATING RESTRICTIONS! NONE
- 8. MISCELLANEOUS
- 8,1 EXECUTION TIME

THE TELETYPE BELL RINGS AT THE END OF 1448 PROGRAM PASSES WHICH IS APPROXIMATELY EVERY 5 SECONDS.

9. PROGRAM DESCRIPTION

THE PROGRAM CONSISTS OF MANY INDIVIDUAL TESTS. IN MOST CASES EACH TEST CHECKS ONLY ONE FUNCTION AND USES PREVIOUSLY TEST-ED FUNCTIONS AS A BASIS FOR THE TEST. THE PROGRAM COUNTER ACTION IS STRICTLY SEQUENTIAL EXCEPT FOR SKIPS. THE ONLY JMP INSTRUCTIONS USED ARE AT THE BEGINNING AND END OF THE PROGRAM. THE SEQUENCE OF TESTING IS AS FOLLOWS:

- 1. TEST ALL OPERATE FUNCTIONS INDIVIDUALLY EXCEPT FOR ROTATES.
- 2. TEST "TAD" INSTRUCTION.
- 3. TEST ROTATE FUNCTIONS.
- 4. TEST "BSW" INSTRUCTION.
- 5. GROUP 1 OPERATE INSTRUCTION TEST. ALL POSSIBLE COMBINATIONS.
- 6. GROUP 2 OPERATE INSTRUCTION TEST. ALL POSSIBLE COMBINATIONS.
- 7. MG INSTRUCTION TEST. ALL POSSIBLE COMBINATIONS.
- 8. TEST "AND" INSTRUCTION.

THE TELETYPE BELL RINGS APPROXIMATELY EVERY 5 SECONDS.

18. LISTING

K7775, 7775

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
              /COPYRIGHT 1970, 1971, DIGITAL EQUIPMENT CORP., MAYNARD, MASS. Ø1754
               /TAPE 1
       7022
              85W=7002
                                              /SWAP BYTES IN AC
      7461
              NOPE=7401
                                              /NOP
      7601
              CLAE=7601
                                              /CLEAR AC
      7421
                                             /LOAD MG FROM AC THEN CLEAR AC
              MQL=7421
      7501
              MQA=75Ø1
                                            /INCLUSIVE OR, MQ AND AC
      7621
              CAM=7621
                                            /CLEAR AC AND MQ
      7521
              SWP=7521
                                            /SWAP AC AND MQ
      7701
              ACL=7701
                                            /LOAD AC FROM MQ, CLEAR MQ
      0000
              #Ø
0000 0000
                      Ø
9091
      5001
                      JMP 1
0002
      9982
                      0002
0003
      0003
                      0003
0004
      8000
0005
      0000
                      9000
8086 7482
              HALT,
                      HLT
0007 7000
              NOOP.
                      NOP
0010 0000
                      /CONSTANTS AND VARIABLES
              420
      9020
      6000
0020
              K0000,
                     8886
0021
      0001
              K0001, 0001
ØØ22
      0002
              KØØØ2,
                      0002
8023
      0003
              K3.
                      3
0024
      0004
              K0064,
                      8084
ØØ25
      0006
              K6.
ØØ26
      0010
              K0010,
                     0010
0027
      9014
              K14,
                      14
0030
      8020
              KØØ2Ø,
                      0020
0031
      0030
              K30,
                      30
0032 0040
              KØØ4Ø,
                      0040
0033
     9868
              K60,
                      60
0034 0100
              KØ100.
                      0100
0035 0140
              K148.
                      140
0036 0200
              KØ2ØØ,
                     0200
0037 0300
              K300.
                      300
0040 0400
              KØ4ØØ,
                     0400
0041 0600
              K600.
                      600
0042 1000
              K1000, 1000
0043 1234
              K1234, 1234
0044 1400
              K1400, 1400
0045 2000
              K2000, 2006
0046 3000
             K3000, 3000
0047 3312
              K3312, 3312
             K4000, 4000
9959 4909
0051 7717
             K7717, 7717
0052
    7776
             K7776, 7776
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                               PAL10
                                                       V141
                                                               9-JUN-71
                                                                                       PAGE 1-1
                                                                               15:26
          0054 7773
                        K7773, 7773
          0055
              7767
                        K7767,
                               7767
          0056
               7757
                        K7757,
                               7757
          0057
               7737
                        K7737,
                               7737
               7177
          0060
                       K7177. 7177
         0061
              7677
                       K7677, 7677
         0062
               7577
                       K7577, 7577
              7377
         0063
                       K7377, 7377
         0064 6777
                       K6777, 6777
         0065 5777
                       K5777, 5777
         0066 3777
                       K3777. 3777
         8067 7777
                       K7777. 7777
         0070
              5252
                       K5252,
                              5252
         8871 2525
                       K2525. 2525
              4080
         0072
                       K6000. 6000
         9973 7980
                       K7000. 7000
         0074 7480
                       K7486,
                              7400
         8875 7689
                       K7688. 7688
              7748
         8076
                       K7748, 7748
              7760
                       K7768. 7768
         ØØ77
              7770
         0100
                       K7778. 7778
         Ø181 7774
                       K7774, 7774
         0102
               9997
                       KØØØ7,
                               0007
         0103
               8867
                       KØØ67,
                               8867
         8184
               9917
                       KØØ17,
                               8817
         0185
                       K8837, 8837
              #037
         Ø1#6
              9977
                       KØØ77, ØØ77
         0107 0177
                       KØ177, Ø177
         0110
             #377
                       KØ377, Ø377
              8777
         8111
                       KØ777, Ø777
         Ø112
              1777
                       K1777, 1777
         8113
              7788
                       K7788,
                             7788
             5225
         0114
                      K5225,
                             5225
         9115 2552
                      K2552, 2552
         Ø116 Ø77Ø
                      K8778. 8778
         Ø117
              7087
                      K7087,
                             7007
         0120
             #207
                      BEL,
                              8287
         0121 5140
                      BLCNT,
                              -2645
         8122 5148
                      BLCON.
                              -2648
              0144
                      +144
                      /TAD, CLA, HLT, TEST
        0144
              1967
                      START, TAD K7777
        6145 7288
                              CLA
        0146 7402
                              HLT
                                              /AC SHOULD=0
                                              /SET SR TO 7777, CONTINUE
                      /SKIP TEST
        0147 7410
                              SKP
             7482
        0150
                              HLT
                                              /SKP FAILED
                      /SZA TEST 1
        0151 7200
                              CLA
```

)

/PDP-8/E	INSTR	UCTION	TEST 1 MAINDEC-8E-DØ	AB PAL10 V141 9-JUN-71 16:26 PAGE 1-2
	0152	7440	SZA	
	0153		HLT	/SZA SHOULD HAVE SKIPPED
		_	P Se I	/AC SHOULD EQUAL ZERO
	0154	7450	SNA	AND DUODED EBOYE EEKO
	0155	7410	SKP	
	0156	7402	HLT	/SNA SHOULD NOT HAVE SKIPPED
			· · ·	/AC SHOULD EQUAL ZERO
			/SZA TEST 2	The state of the s
	0157	720Ø	CLA	
	0160	1050	TAD K4000	
	0161	7440	SZA	
	0162	7410	SKP	
	0163	7402	HLT	/SZA SHOULD NOT HAVE SKIPPED
	714.6.6	9.45.a		/AC SHOULD EQUAL 4000
		7450 7402	SNA	AND BURNER WALLS BURNER
	DIDO	/ 452	HLT	/SNA SHOULD HAVE SKIPPED
				/AC SHOULD EQUAL 4000
			/SEA TEST 3	
	0166	7200	CLA	
	Ø167	1045	TAD K2000	
	0170	7440	SZA	
	Ø171	7418	SKP	
	0172	7482	HLT	/SEA SHOULD NOT HAVE SKIPPED
				AC SHOULD EQUAL 2000
	0173	7450	SNA	
	0174	7482	HLT	/SN4 SHOULD HAVE SKIPPED
	0175	7000	NOP	/AC SHOULD EQUAL 2000
	Ø176	7000	NOP	
	Ø177	7410	SKP	/SKIP OVER JMP START.
		0200	#200	
	0200	5144	BEGIN, JMP START	ARECIANTAL OF IMPROVATION THE A
		,	SEA TEST 4	BEGINNING OF INSTRUCTION TEST 1.
	0201	7200	CLA	
	0202	1842	TAD K1000	
	Ø2 # 3	7440	SEA	
	0204	7410	SKP	
	0205	7402	HLT	/SZA SHOULD NOT HAVE SKIPPED
				/AC SHOULD EQUAL 1000
	0206	7450	SNA	
i	0207	7402	HLT	/SNA SHOULD HAVE SKIPPED
			4	/AC SHOULD EQUAL 10000
,	7046	* 284	/SZA TEST 5	
	0210 0211	7200 1040	CLA	
	0211 0212	7440	TAD KØ4ØØ	
	1213	7410	SZA SKP	
	214	7402	SKF HLT	ASTA SHOULD NOT HAVE SWIFFE
•	/ to gt 7		n ⊢ '	/SZA SHOULD NOT HAVE SKIPPED /AC SHOULD EQUAL Ø4ØØ
Q	215	7450	SNA	AND SHOOLD EMONE MARK
		7402	HLT	/SNA SHOULD HAVE SKIPPED
_	-	_		/AC SHOULD EQUAL 0400
			/SZA TEST 6	THE CHARLE PROPERTY.

/PDP-8/E INSTRUCTION	TEST 1 MAINDEC-8E-DØAB	PAL10 V141 9-JUN-71	16326 PAGE 1-3
0217 7206	CLA		
0220 103			
Ø221 7 449			
0222 7416			
0223 7402		/574 CHAIR B 1167	
	ME!	SEA SHOULD NOT HAVE SKIPPED	
0224 7450	,	/AC SHOULD EQUAL 0200	
0225 7402	O115	AND THE STATE OF T	
0223 / 402	ньт	/SNA SHOULD HAVE SKIPPED	
	407	/AC SHOULD EQUAL 0200	
#224 9 2##	/SZA TEST 7		
Ø226 7200	55 .		
0227 1034	170 1100		
0230 7440	023		
Ø231 741Ø	• • • • • • • • • • • • • • • • • • • •		
8232 7402		./SZA SHOULD NOT HAVE SKIPPED	
		/AC SHOULD EQUAL 0100	•••••
0233 7450			
8234 748 2	HLT	/SNA SHOULD HAVE SKIPPED /AC SHOULD EQUAL Ø100	
		YO SHOOLD EGOYE BIRR	
	/SEA TEST 8		
0 235 7200			
0236 1032			
8237 7440	175 115-75		
8248 7418	52A		
0241 7402	SKP		
NE41 /4NE	HLT	/SZA SHOULD NOT HAVE SKIPPED	
8242 745Ø	***	/AC SHOULD EQUAL 0040	
9243 7402	SNA		
DENG / TOE	HLT	/SNA SHOULD HAVE SKIPPED	
	4074 TOOM A	/AC SHOULD EQUAL 0040	
8244 7288	/SZA TEST 9		
	CLA		
	TAD KØØ2Ø		
8246 7448	SEA		
8247 7418	SKP		
8258 7482	HLT	/SZA SHOULD NOT HAVE SKIPPED	
		/AC SHOULD EQUAL 8020	
Ø251 745Ø	SNA		
0252 7402	HLT	/SNA SHOULD HAVE SKIPPED	
	_	AC SHOULD EQUAL #828	
	/SZA TEST 10	िक्र चिक्र के किल्किक	
6253 7280	CLA		
Ø254 1 026	TÃD KØØ1Ø		
0255 7440	SZA		
0256 7410	SKP		
Ø257 74 02	HLT	/SZA SHOULD NOT HAVE SKIPPED	
•		AC SHOULD EQUAL 8818	
Ø26Ø 7 45Ø	SNA		
0261 7402	HLT	JONA CHOM & WINE AND A	
2597 1425	m _i i	SNA SHOULD HAVE SKIPPED	
	/SZA TEST 11	/AC SHOULD EQUAL 8010	
0262 7200			
0263 1024	CLA		
N5B2 1854	TAD K0004		

/PDP-8/E	INSTR	RUCTION	TEST	1 MAIN	NDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-4
	Ø264	7440		SZ	I A					
	Ø265			SK						
	0266			HL		SEA SH	OULD NOT	HAVE SKIPPED		
	0267	7450		SN	 ∆	AC SHO	ULD EQUA	L 0004		
	0270			HL		/SNA SH /AC SHO	OULD HAV	E SKIPPED L 0004		
			/Si	EA TEST	12					
	B 271	7200		CL						
	0272	1022			D K0002					
	Ø273	7440		SZ						
	Ø274	7410		SKI						
	Ø275	7402		HL.		ISEA SHI	TOM CHIE	HAVE SKIPPED		
				***		ZAC SHO	JLD EQUAL	HAVE SKIPPED		
	Ø276	7450		SN	4	770 31101	PED EGOVE	_ 0002		
	8 277	7482		HL.		/SNA SHO	JULD HAVE	SKIPPED 0002		
			102	A TEST 4						
	0360	7200	732	A TEST						
	Ø3 Ø 1	1021		CLA						
	#3#2	7440) KØØØ1					
	#3#Z			384						
		7419		SKF						
	0304	7482		HLT	•	/SZA SHO	ULD NOT	HAVE SKIPPED		
						/AC SHOU	LD EQUAL	0001		
	0305	7450		SNA						
	Ø3 # 6	7402		HLT		/SNA SHO	ULD HAVE	SKIPPED		
						/AC SHOU	LD EQUAL	0001		
		B000	/SP	A TEST 1						
	8387	7200		CLA						
	8318	1966			K3777					
	8311	7510		SPA						
	8 312	7402		HLT		/SPA SHO	ULD HAVE	SKIPPED 3777		
			/59/	TEST 2						
	Ø313	7200		CLA						
	Ø314	1050			V 4 G 6 G					
	Ø315	7510			K4000					
	0316			SPA SKP						
	0317	7402		HLT		/CD . CUA.				
•				m _E (/SPA SHOT	ILD NOT I	HAVE SKIPPED		
			/CMA	TEST 1		/AC SHOUL	D EQUAL	4000		
4	320	7200	FORA							
		1066		CLA	V7777					
		7500			K3777					
		7410		SMA						
		7402		SKP						
	/UE7	/ TW2		HLT		/SMA SHOU /AC SHOUL	LD NOT H D EQUAL	AVE SKIPPED 3777		
			/SMA	TEST 2						
0	325	7220		OI A						

CLA

/PDP-8/E	INSTR	UCTION	TEST	1	MAIND	EC-8E-DØAB	PAL10	V141	9-JUN-71	16	PAGE 1-5
	Ø326	1050			TAD	K4000					
	Ø327	-			SMA						
	Ø33Ø	7402			HLT		ZOMA CH	0111 8 1143	/c 64100=0		
					ME.		AC SHO	OULD HAV	E SKIPPED		
			/C	MA '	TEST 1		780 380	ULD EOU	41. 4000		
	0331	7200	•		CLA						
	0332	1067				K7777					
	0333	7040			CMA						
	0334	7440			SZA						
	0335	7402			HLT		/CMA DI	n NOT CO	MPLEMENT AC		
							/AC SHO	ULD EQUA	MI BOOK		
			/CI	MA -	- TAD	TEST 1	, , , ,	OFD FROM	C DODD		
	0336	7200			CLA						
	Ø3 3 7	1071				K2525				•	
	0340	7040			CMA						
	0341	7450			SNA						
	Ø342	7402			HLT		/TAD OR	CMA ERR	OR		
								ULD EQUA			
	0343	1071			TAD	K2525					
	0344	7946			CHA						
	8345	7440			SEA						
	#346	7482			HLT		/TAD OR	CMA ERR	OR		
							/AC SHOU	JLD EQUA	L 0000		
		=000	/CM	IA -		TEST 2					
	8347	7200			CLA						
	0350 0351	1078 7040				K5252					
	#352	7450			CMA						
	0353	7402			SNA		4745 65		_		
	2020				HĻT		/TAD OR	CMA ERR	OR		
	9354	1878			748	K5252	/AC SHOL	ILD EQUA	L 2525		
		7040			CHA	N3535					
	9356	7440			SEA						
	8387	7482			HLT		ATAN OR	644 -DD	••		
					- THE		/TAD OR /AC SHOU	UMA ERRI	UR . aaaa		
							7 7 5 1100	LU EWON	. 5055		
	67 /6	206-	/CM	A -	TAD T	EST 3					
	0360	7200			CLA						
	9361	1067			TAD	K7777					
	8362				CMA						
	Ø363 Ø364	7440 7402			SZA						
	P (C C	/ 48 6			HLT		/TAD OR	CMA ERRO)R		
			# T A /	- 72	ST 1		/AC SHOU	TD EGAYL	. 0000		
	0 365	7200	\ 1 \ \	. ! :					ř.		
		7001			CLA IAC						
		7448			SZA						
		7410			SKP						
		7402			HLT		/IAC DID	NOT THE	DEMENT		
					., 🛥 .		AC SHOU	HOT INC	9001		
			/IAC	. TE	ST 2		ZAS ONOU	PO ERAF	PART		
		7200			CLA						
		1067			TAD	K7777					
	Ø374	7001			IAC						

/PDP-8/E	INSTRU	JCTION	TEST 1 MAINDEC-8E-DE	BAB PAL10	V141	9-JUN-71	16:26	PAGE 1-6
	Ø375	7440	SZA					
	Ø376	7482	HLT	/IAC DID				
			4146 TECT 7	/AC SHOU	LD EQU	AL 0000		
	0377	7200	/IAC TEST 3					
	Ø4ØØ	1101	CLA TAD K7774					
	0401	7001	IAC					
	8482	7001	IAC					
	0403	7001	ÍÃC					
	0404	7001	IAC					
	0405	7440	SZA					
	0406	7402	HLT	/IAC NOT /AC SHOU				
			/SZL TEST 1	7,40 0,100	CD CGO.	-[0000		
	0407	7200	CLA					
	8418	7100	CLL	/CLEAR L	INK			
	0411	7004	RAL	/CLEAR L		ETY		
	8412	7430	SZL					
	0413	7402	HLT			/E SKIPPED Bual Zero		
			/SEL TEST 2					
	8414	7288	CLA					
	8415	7100	čii	/CLEAR L	NK			
	8416		CML	/COMPLEM!		ik		
	8417	1050	TAD K4888			.,,		
	0420	7004	RAL	SET LINI	(SAFET	'Υ		
	8421	7430	SŽL					
	Ø422	7410	SKP		_		•	
	0423	7402	HLT	\rink shot		' HAVE SKIPPED Dual one		
			/SNL TEST 1					•
	6424	7200	CLA					
	0425	7100	CLL	/CLEAR LI				
	0426	7004	RAL	/CLEAR LI	NK SAF	ETY		
	6427	7420	SNL					
	8438 8431	7410 7402	SKP	/CN: CHAI		HAVE CHIERE		
	8431	7405	HLT	VEINK SHO	INTO EO	HAVE SKIPPED		
			SNL TEST 2					
	Ø432	7200	CLA					
	0433	7100	CLL	/CLEAR LI				
	0434	7020	CML	/COMPLEME	NT LIN	K		
	Ø435 Ø436	1050 7004	TAD K4000	/0ET TANK	BACCT	v		
		7420	RAL Snl	SET LINK	JAPEI	T		
	Ø44Ø	7402	HLT	ZSNI SHOU	II D LIAV	E SKIPPED		
	_ , , , ,	ा रहें 🕶	ा क ा	/LINK SHO				
			/CLL TEST 1					
	Ø 4 4 1	7200	ACET IEST I					

0441 7200 0442 1050

CLA TAD K4000

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10 V141
                                                                9-JUN-71
                                                                                16:25
                                                                                        PAGE 1-7
          0443 7024
                                RAL
                                                /SET LINK
          0444 7420
                                SNL
          Ø445 5252
                                JMP CLL11
                                                        /CANNOT SET LINK WITH RAL
                                                /TRY A CML
          0446 7100
                        CLL1.
                                CLL
          0447 7430
                                SZL
          0450 7402
                                HLT
                                                /CLL DID NOT CLEAR LINK
                                                /LINK SHOULD EQUAL ONE
          0451
                5256
                                JMP .+5
          0452 7020
                        CLL11, CML
                                                /SET LINK
          0453 7420
                                SNL
          0454 7402
                                HLT
                                                /CANNOT SET LINK WITH
                                                /RAL OR CML. CANNOT
                                                /PERFORM CLL TEST 1
          8455 5246
                                JMP CLL1
                        /CML TEST 1
                        CHLT1, CLL
          0456 7100
          8457 7430
                                SZL
          9469
              7482
                                HLT
                                                /CLL DID NOT CLEAR LINK
         0461
              7020
                                CML
         9462 7429
                                SNL
         8463 7482
                                HLT
                                                /CML DID NOT SET LINK
         8464 7828
                                CML
         8465 7438
                                SEL
         8466 7482
                                                /CML DID NOT RESET LINK
                                HLT
                       /CLA TEST 1 (OPERATE GROUP 2)
         0467 7200
                                CLA
         8478 1867
                               TAD K7777
         0471 7600
                               7600
         8472 7448
                                SZA
         5473 7402
                                               /CLA (7600) DID NOT CLEAR AC
                                HLT
                                               /AC SHOULD EQUAL 9966
                       JOSR TEST 1
         8474 7288
                               CLA
         8475 7484
                               OSR
         5476 7049
                               CMA
         8477 7448
                               SZA
         8588 7482
                               HLT
                                               /OSR DID NOT SET AC TO 7777
                                               /AC SHOULD=#
                       /NOP TEST 1 (OPERATE GROUP 1)
         0501 7200
                               CLA
         0502 7100
                               CLL
                                               /AC AND LINK EQUAL ZERO
         0503 7000
                               7000
                                               /TEST INSTRUCTION
         0564 7450
                               SNA
         0505 7430
                               SZL
         0506 7402
                               HLT
                                               /NOP FAILURE
                                               /AC AND LINK SHOULD BE ZERO
                       /NOP TEST 2 (OPERATE GROUP 2)
         0507 7200
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CLA

/PDP-8/E	INSTRU	CTION	TEST	1	MAIND	EC-8E-DØAB	PAL1Ø	V141	9-JUN-71	16:26	PAGE 1-8
	Ø51Ø	7180			CLL				QUAL ZERO		
	0511	7400			7401	0	/TEST I	NSTRUCT	ION		
	0512	7450			SNA						
	0513	7430			SZL						
	0514	7482			HLT		/NOP FA	ILURE			
		_			•		/AC AND	LINK S	HOULD BE ZER	0	
			11	AD	TEST 1						
	0515	7200		-	CLA						
	Ø516	1066				K3777		/OPERA	NO 1		
	Ø517	1050				K4000		/OPERA			
	Ø52Ø	7040			CMA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			-		
	Ø521	7448			SZA						
	Ø522	7402			HLT		/TAD ER	ROR			
	0722	7 402			HE.			ULD EQU	A: 0000		
			17	An	TEST 2		THE CITE	020 200			
	#EOT	7200	7, 1	~0	CLA						
	Ø523	1065				K5777		/OPERA	Nn 1		
	0524	1045				K2008		/OPERA			
	8525					VEROR		, w. c.			
	Ø526	7040			CMA						
	8527	7440			SZA		/TAD ER	DAD			
	Ø53Ø	7402			HLT			ULD EQU	A: GOGG		
			4=				AND SHO	OLD EGO	אבים איי		
		2000	/1	AU	TEST 3						
	0531	7200			CLA	UZ 799		/OPERA	No 1		
	#532	1864				K6777		/OPERA		1	
	Ø533	1942				K1000		/UPERA	שייו צ		
	Ø534	7040			CMA						
	Ø535	7440			SZA		4745 50	DAR			
	Ø536	7402			HLT		/TAD ER		A: 0000		
							JAC SHU	ULD EQU	ממממ בא		
			/ T	AD	TEST 4						
	9537	7288			CLA			108504	No. 4		
	Ø54Ø	1963				K7377		/OPERA			
	Ø541	1848				K8488		/OPERA	אט צ		
	Ø542	7848			CHA						
	Ø543	7448			SZA		.= =0				
	8544	7402			HLT		/TAD ER				
							/AC SHO	ULD EOU	AL NOOD		
			/ T	AD	TEST 5						
	Ø545	7200			CLA				No. 4		
	Ø546	1062				K7577		/OPERA	ND 1		
	Ø547	1036				KØ2ØØ		/OPERA	ND Z		
	Ø550	7040			CMA						
	0551	7440			SZA						
	0552	7402			HLT		/TAD ER				
							/AC SHO	INTO EON	AL 0000		
			/T	AD	TEST 6						
	0553	7200			CLA				110		
	Ø5 5 4	1061				K7677		/OPERA			
	0555	1034			TAD	KØ100		/OPERA	ND S		
	0556	7040			CMA						
	Ø5 5 7	7440			SZA						
	Ø560	7402			HLT		/TAD ER	ROR			

/PDP-8/F	INSTRUCT	ION	TEST	1 MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-9
			• ,	T WINDER OF OPAR				10.20	PAGE 1-9
			4- 4	n *50= #	/AC SH	DULD EQUA	_ 0000		
	95/4 P	200	/ 1 /	D TEST 7					
		200		CLA					
		05 7		TAD K7737		/OPERANI			
	2563 11			TAD KØØ4Ø		/OPERANI) 2		
		949		CMA					
		440		SZA		_			
	8566 7	402		HLT	/TAD E				
					/AC SH	DULD EQUA	_ 0000		
			/TA	D TEST 8					
		200		CLA					
		Ø56		TAD K7757		/OPERAN			
		030		TAD KØØ2Ø		/OPERANI	2		
		040		CMA					
	Ø573 74	440		SZA					
	8574 74	402		HLT	/TAD EF	ROR			
					/AC SHO	DULD EQUAL	0000		
			/TA	D TEST 9			,		
	8575 72	200		CLA					
	8576 18	955		TAD K7767		JOPERAND	1 1		
		326		TAD KØØ1Ø		JOPERAN(
		840		CMA		TOT ENAME	, F		
		440		SZA					
		402		HLT	/TAD ER	PAP			
		_		•		ULD EQUAL	0 0 0 0		
					7 7 0 0 110	OCO FRANT			
			/TA	D TEST 10					
		200		CLA					
		354		TAD K7773		/OPERAND			
		24		TAD KØØØ4		/OPERAND	2		
		340		CMA					
		40		SEA					
	9619 74	102		HLT	/TAD ER	ROR			
					/AC SHO	ULD EQUAL	0000		
			/TA	D TEST 11					
	Ø611 72			CLA					
		953		TÃD K7775		/OPERAND	1		
		122		TAD KØØØ2		/OPERAND			
	8614 78	140		CMA			7		
	Ø615 74	40		SZA					
	Ø616 74	02		HLT	/TAD ER	ROR			
	-		/TAI	TEST 12	, , , , ,				
	Ø617 72	90		CLA					
		152		TAD K7776		/OPERAND	4		
		21		TAD KØØØ1		JOPERAND			
	0622 70			CMA		7 VII ERRITO	-		
		40		SZÁ					
	Ø624 74			HLT	/TAD ER	DAD			
	202.			ri im i			0000		
			/T A I	TEST 13	/ NO 3MU	ULD EQUAL	משטש		
	Ø625 72	00	F 1 M						
	0626 71			CLA					
	0627 10			CLL TAD MAGGA		4088= + W=			
	DOE! ID	- 10		TAD K4000		/OPERAND	1		

/PDP-8/E	INSTR	UCTION	TEST	1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-10
	0630	1050			TAD K4000		/OPERA	Nn 2		
	Ø631	-			SZL		, Or ERA			
		7440			SZA					
		7482			HLT	/TAD ER	RROR. AC	SHOULD EQUAL	900a	
					_	/LINK S	SHOULD BI	E EQUAL ONE.		
						•		- LOUNE ONC!		
		=000	/1/	AD]	EST 14					
	Ø635	7200			CLA					
	Ø636	7100 1072			CLL		1005511	No. 4		
	Ø6 3 7				TAD K6000 TAD K2000		/OPERA!			
	0640	7430			SEL		/OPERA	NU Z		
	0641	7440			SZA					
	8642	7402				/TAD ER		SHOULD EQUAL	8600	
					n 🕨 '	/ INK S	HAULA FO	BUAL ONE	פטסט	
			/TA	D T	EST 15	, E . I . I	HOULD L	-ONE DIVE		
	8643	7200			CLA					
	8644	7100			CLL					
	Ø645	1073			TAD K7000		JOPERAN	ND 1		
	0646	1042			TAD K1000		/OPERAN	ND 2		
	8647	7430			SZL					
	9659	7440 7482			SZA					
	6 651	1402			HLT	/TAD ER	ROR. AC	SHOULD EQUAL	8888	
			/TA	n T	EST 16	VETMK 2	HOULD EQ	IUAL ONE		
	Ø652	7200	/ 1 7	U	CLA					
	0653	7100			CLL					
	0654	1074			TAD K7400		/OPERAN	in 1		
	8655	1848			TAD KØ4ØØ		/OPERAN			
	0656	7430			SZL			-		
	0657	7440			SEA					
	0660	7402			HLT	/TAD ERI	ROR. AC Hould eq	SHOULD EQUAL	5000	
			/TAI	D T	EST 17					
	0661	7200			CLA					
	Ø662 Ø663	7100 1075			CLL		40000	ım		
	Ø664	1036			TAD K76ØØ TAD KØ2ØØ		/OPERAN			
	Ø665	7430			SET VASAR		/OPERAN	0 2		
	B666	7448			SZA					
	Ø667	7482			HLT	/TAD FRE	ROR. AC	SHOULD EQUAL	660a	
		_			****	/LINK S	HOULD EQ	HAL ONF		
			/TAE) TE	ST 18			VAS 0112		
	0 670	7200			CLA					
	Ø671	7100			CLL					
	0672	1113			TAD K7700		/OPERAN			
	Ø673	1034			TAD KØ1ØØ		/OPERAN	D 2		
	Ø674 Ø675	7430 7440			SZL					
	0675 0676	7402			SZA HLT	/TAD EDS		AUAIN A PAGE		
	2070	7 7 8 2			חבי	ALVIN CH	ROR. AC :	SHOULD EQUAL	0000	
			ZTAT) TF	ST 19	APTIAL OF	יטטבט בשו	UAL UNE		
	0677	7200			CLA					
	0700	7100		-	CLL					
/										

0703	1076 1032 7430 7440	TAD K7740 TAD K0040 SZL SZA	/OPERAND 1 /OPERAND 2
0705	7402	HLT /TAD TEST 20 CLA	/TAD ERROR. AC SHOULD EQUAL 0000 /Link Should Equal one
0707 0710 0711 0712 0713		CLL TAD K7760 TAD K0020 SZL SZA HLT	/OPERAND 1 /OPERAND 2 /TAD ERROR. AC SHOULD EQUAL 8555
0716	7200 7100	/TAD TEST 21 CLA CLL	/LINK SHOULD EQUAL ONE
0720 0721 0722	1100 1026 7430 7440	TAD K7770 Tad k0010 SZL SZA	/OPERAND 1 /OPERAND 2 /TAD ERROR AC SHOULD EQUAL 8688
Ø724	7482	HLT /TAD TEST 22 CLA	/LINK SHOULD EQUAL ONE
0726 0727 0730	7100 1101 1024 7430 7440	CLL TAD K7774 TAD K0004 SEL SEA	/OPERAND 1 /OPERAND 2
	7402	HLT /TAD TEST 23 CLA	/TAD ERROR. AC SHOULD EQUAL #### /Link should equal one
8734 8735 8736 8737	7100 1052 1022 7430	CLL TAD K7776 TAD KØØØ2 Säl	/OPERAND 1
8749 8741	744Ø 7402	sea HLT	/TAD ERROR. AC SHOULD EQUAL 0000 /Link should equal one
8743 8744	7200 7100 1067	/TAD TEST 24 CLA CLL TAO K7777	OPERAND 1
Ø746 Ø747	1021 7430 7440 7402	TAD K0001 SZL SZA HLT	/OPERAND 2 /TAD ERROR, AC SHOULD EQUAL ØØØØ /LINK SHOULD EQUAL ONE

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10
                                                         V141
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                        /TAD TEST 25
          0751 7200
                                CLA
          0752 7100
                                CLL
          0753
                7020
                                CML
          0754 1050
                                TAD K4000
                                                        /OPERAND 1
          0755 1050
                                TAD K4000
                                                        /OPERAND 2
          0756 7420
                                SNL
          0757 7440
                                SZA
          0760 7402
                                HLT
                                                /TAD ERROR. AC SHOULD EQUAL 0000
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 26
         0761 7200
                                CLA
         0762 7100
                                CLL
         0763 1066
                                TAD K3777
                                                        /OPERAND 1
         0764 1045
                                TAD K2000
                                                        /OPERAND 2
         0765 1045
                                TAD K2000
                                                        /OPERAND 3
         0766 7040
                                CMA
         Ø767 742Ø
                                SNL
         0770 7440
                                SZA
         0771 7402
                                HLT
                                                /TAD ERROR. AC SHOULD EQUAL 0000
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 27
         0772 7200
                               CLA
         Ø773 7100
                               CLL
         B774
               1065
                               TAD K5777
                                                /OPERAND 1
         0775 1042
                               TAD K1000
                                                /OPERAND 2
         0776 1042
                               TAD K1000
                                                /OPERAND 3
         0777 7040
                               CMA
         1000
              7420
                               SNL
         1001
              7440
                                       /TAD ERROR AC SHOULD EQUAL 8888
                               SZA
         1002 7402
                                       /LINK SHOULD EQUAL ZERO
                               HLT
                       /TAD TEST 28
        1003
              7200
                               CLA
        1004
              7100
                               CLL
        1005 1064
                               TAD K6777
                                                       /OPERAND 1
        1006
              1040
                               TAD KØ4ØØ
                                                       /OPERAND 2
        1007
              1040
                               TAD KØ400
                                                       /OPERAND 3
        1010
             7040
                               CMA
              7420
        1011
                               SNL
        1012 7440
                               SZA
        1013 7402
                               HLT
                                               /TAD ERROR. AC SHOULD EQUAL 8800
                                               /LINK SHOULD EQUAL ZERO
                       /TAD TEST 29
              7200
        1014
                               CLA
        1015 7100
                               CLL
        1016 1063
                               TAD K7377
                                                       /OPERAND 1
        1017 1036
                               TAD KØ2ØØ
                                                       /OPERAND 2
        1020 1036
                               TAD KØ2ØØ
                                                       /OPERAND 3
        1021 7040
                               CMA
        1022 7420
                               SNL
        1023 7440
                               SZA
        1024 7402
                               HLT
                                               /TAD ERROR. AC SOULD EQUAL 0000
                                               /LINK SHOULD EQUAL ZERO
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/PDF-8/E INSTRUCTION TEST 1 MAINDEC-8E-DBAB PAL10
                                                        V141
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                        /TAD TEST 30
          1025 7200
                                CLA
          1026 7100
                                CLL
                                                        /OPERAND 1
          1027 1062
                                TAD K7577
                                                       /OPERAND 2
          1030 1034
                                TAD KØ100
          1031 1034
                                TAD K0100
                                                       /OPERAND 3
          1032 7040
                                CMA
          1033 7420
                                SNL
          1034 7440
                                SZA
          1035 7402
                                                /TAD ERROR. AC SHOULD EQUAL 8888
                                HLT
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 31
          1036 7200
                                CLA
          1037 7100
                                CLL
                                                        /OPERAND 1
          1040 1061
                                TAD K7677
          1041 1032
                                TAD KODAD
                                                       /OPERAND 2
                                                        JOPERAND 3
          1042 1032
                                TAD K8848
          1043 7040
                                CMA
          1844 7428
                                SNL
          1045 7440
                                SZA
                                                /TAD ERROR. AC SHOULD EQUAL 8888
          1046 7402
                                HLT
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 32
          1047 7200
                                CLA
          1050 7100
                                CLL
          1051 1057
                                TAD K7737
                                                        /OPERAND 1
          1052 1030
                                TAD KES28
                                                       /OPERAND 2
          1853
               1939
                                TAD KØ828
                                                        JOPERAND 3
               7040
          1054
                                CMA
          1855
              7420
                                SNL
          1056 7440
                                SEA
          1057 7402
                                                /TAD ERROR. AC SHOULD EQUAL $505
                                HLT
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 33
          1060 7200
                                CLA
          1061 7100
                                CLL
          1062 1036
                                TAD K7757
                                                        /OPERAND 1
          1863 1826
                                TAD KOG10
                                                        JOPERAND 2
          1064
                                TAD KOD19
                                                        JOPERAND 3
                1926
          1065 7040
                                CHA
          1066
               7420
                                SNL
          1067 7440
                                SZA
                                                /TAD ERROR. AC SHOULD EQUAL BODD
          1070 7402
                                HLT
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 34
          1071 7200
                                CLA
          1072 7100
                                CLL
                                TAD K7767
                                                        /OPERAND 1
          1073 1055
          1074 1024
                                TAD KOOD4
                                                        JOPERAND 2
               1024
                                TAD KØØØ4
                                                        /OPERAND 3
          1075
          1076
               7948
                                CMA
          1077
               7420
                                SNL
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/PDP-8/E	INSTRUC	TION	TEST	i	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-14
	1101	7482			HLT			SHOULD EQUAL Dual Zero	0000	
			17	ΑD	TEST 35					
		7200			CLA					
		7100			CLL		408CD 48	10 1		
		1054			TAD K7773 TAD K0002		/OPERAN			
		1022 1022			TAD K0002		/OPERAN			
		7040			CMA		70. 21111			
		7420			SNL			9		
	1111	7440			SZĀ					
	1112	7402			HLT			SHOULD EQUAL Dual Zero	. 0000	
			/1	ΑĐ	TEST 36					
	1113	7200	•	_	CLA					
	1114	7188			CLL					
	1115				TAD K7775		/OPERA			
		1021			TAD KOOD1		/OPERAI			
		1021 7040			TAD KØØØ1 Cma		/UFERA	*D 9		
		7420			SNL					
	1122	7430			SZL					
	1123	7402			HLT			SHOULD EQUAL Dual Zero	. 9999	
			/7	AD	TEST 37		/10;MB	cR.		
	1124				CLA					
		7100			CLL	/Ø+1=1				
		1021 1023			TAD KØØØ1 TAD K3	/1+3×4				
		1054			TAD K7773	/4+777				
		7848			CMA	10				
	1132	742Ø			SNL					
		7440			SZA	4740 5		AND I THE GUE	NII D DE 3600	
	1134	7492			HLT			AND LINK SHO	OULD BE EERO.)
				AD	TEST 38.	/91 MB	, CR.			
	1135				CLA					
		7100			CLL Tad køøø2	/0+2=2				
		1022 1025			TAD K6	/2+6=1				
		1055			TAD K7767	•	67=7777			
		7040			CMA	/0				
	1143	7420			SNL					
		7440			SZA	4740 5	0000 40	AND LINE OU	n	
	1145	7402			HLT	/ IAU E	THUR. AU	AND LINK SHO	AUCH BE SEKA	à
		-00-	/1	AD	TEST 39.	/8: MB	, CR.			
		7200			CLA					
		7100 1024			CLL Tad køøø4	/0+4=4				
		1027			TAD K14	/4+14=				

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                 PAL10
                                                         V141
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                                                                                         PAGE 1-15
          1152 1056
                                 TAD K7757
                                                 /20+7757=7777
          1153 7040
                                 CMA
                                                 10
          1154 7420
                                SNL
          1155 7440
                                SZA
          1156 7402
                                HLT
                                                 /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                        /TAD TEST 40.
                                                /7; MB, CR.
          1157 7200
                                CLA
          1160 7100
                                CLL
          1161 1026
                                TAD K0010
                                                 /0+10=10
          1162 1031
                                TAD K30
                                                 /10+30=40
          1163 1057
                                TAD K7737
                                                 /40+7737=7777
          1164 7849
                                CMA
                                                 10
          1165 7420
                                SNL
          1166 7440
                                SZA
          1167 7482
                                HLT
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                        /TAD TEST 41.
                                                /6; MB, CR
         1179
              7200
                                CLA
         1171 7100
                                CLL
         1172 1030
                                TAD KØØ2Ø
                                                10+20=20
         1173 1933
                                TAD K60
                                                /20+60=100
         1174 1861
                                TAD K7677
                                                /100+7677=7777
         1175 7040
                                CHA
                                                10
         1176 7420
                                SNL
         1177 7448
                                SZA
         1200 7402
                                HLT
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 42.
                                                /5; MB, CR.
         1261 7200
                                CLA
         1262 7188
                               CLL
         1263 1632
                               TAD KOB40
                                                18+48=48
         1284 1835
                                TAD K148
                                                /40+140=200
         1285 1862
                                TAD K7577
                                                /205+7577=7777
         1286 7848
                                CMA
                                                10
         1207 7420
                               SNL
         1210 7440
                               SZA
         1211 7482
                               HLT
                                               /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 43.
                                               /43 MB, CR.
        1212 7200
                               CLA
        1213 7100
                               CLL
        1214 1034
                               TAD KØ100
                                                /0+100=100
        1215 1037
                               TAD K300
                                                /100+300=400
        1216
             1063
                               TAD K7377
                                                /400+7377≈7777
        1217 7040
                               CMA
                                                10
        1220 7420
                               SNL
        1221 7440
                               SZA
        1222 7482
                               HLT
                                               /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 44.
                                               /3; MB, CR.
        1223 7200
                               CLA
        1224 7100
                               CLL
        1225
              1036
                               TAD KØ200
                                               /0+200=200
        1226 1041
                               TAD K600
                                               /200+600=1000
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                                                         V141
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DBAB
                                                 PAL10
                                                 /1000+6777=7777
          1227 1064
                                 TAD K6777
                                                 10
          1230
                7040
                                 CMA
          1231 7420
                                 SNL
          1232
                7440
                                 SZA
                                                 /TAD ERROR. AC AND LINK SHOULD BE ZERO.
          1233 7402
                                 HLT
                                                 /2; MB, CR.
                         /TAD TEST 45.
          1234 7200
                                 CLA
          1235 7100
                                 CLL
                                                 10+400=400
                                 TAD KØ400
          1236 1040
                                                 /400+1400=2000
                                 TAD K1400
          1237 1044
                                                 /2000+5777=7777
                                 TAD K5777
          1240
               1065
                                                 10
                7040
                                 CMA
          1241
          1242 7420
                                 SNL
          1243 7440
                                 SZA
                                                 /TAD ERROR, AC AND LINK SHOULD BE ZERO.
          1244 7402
                                 HLT
                                         /11 MB, CR.
                         /TAD TEST 46
          1245 7200
                                 CLA
          1246 7188
                                 CLL
                                                 /0+1000×1000
                                 TAD K1000
          1247 1842
                                                 /1000+3000=4000
                                 TAD K3000
          1250 1046
                                                 /4000+3777#7777
                                 TAD K3777
                1066
          1251
                                                 10
                                 CMA
          1252
                7848
                                 SNL
          1253 7428
          1254 7448
                                 SZA
                                                 /TAD ERROR. AC AND LINK SHOULD BE ZERO.
          1255 7402
                                 HLT
                                                 /0; MB, CR
                         /TAD TEST 47
                7200
                                 CLA
          1256
          1257
                7100
                                 CLL
                                                 /8+2668=2668
                1045
                                 TAD K2000
          1268
                                                 /2000+60000=1 0000
                                 TAD K6000
          1261 1072
                7438
                                 SEL
          1262
          1263 7440
                                 SZA
                                                 /TAD ERROR, LINK SHOULD # 1. AC SHOULD # 0000.
          1264 7482
                                 HLT
                         JTAD TEST 48.
          1265 7200
                                 CLA
          1266 7100
                                 CLL
                                                 /8+7777=7777
                                 TAD K7777
          1267 1067
                                                 /7777+1=1 0000
                1021
                                 TAD KOOO1
          1270
                                 SZL
                7430
          1271
                                 SEA
          1272
                7440
                                                 /TAD ERROR. LINK SHOULD = 1. AC SHOULD = 0000.
          1273 7402
                                 HLT
                                                 /10; AC, MB, CR.
                         /TAD TEST 49.
          1274 7200
                                 CLA
          1275 7100
                                 CLL
                                                  /0+3=3
                                 TAD K3
          1276 1023
                                 TAD K3
                                                  /3+3=6
          1277 1023
                                                  /6+7770=7776
                                 TAD K7770
                1100
          1300
                                                  /7776+1=7777
                                 TAD K0001
               1021
          1301
                                                  10
```

CMA

```
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                 PAL10
                                                         V141
                                                                 9-JUN-71
                                                                                  16:26
                                                                                          PAGE 1-17
          1303 7420
                                 SNL
          1384 7448
                                 SZA
          1305 7402
                                 HLT
                                                 /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                        /TAD TEST 50.
                                                 /9; AC, MB, CR.
          1306
                7200
                                 CLA
          1307
                7120
                                CLL
          1310 1025
                                TAD K6
                                                 10+6=6
          1311 1025
                                TAD K6
                                                 16+6=14
          1312 1877
                                TAD K7768
                                                 /14+7760=7774
          1313 1023
                                TAD K3
                                                 /7774+3=7777
          1314 7840
                                CMA
                                                 10
          1315 7420
                                SNL
          1316 7448
                                SZA
          1317 7482
                                HLT
                                                 /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                        /TAD TEST 51.
                                                 /8; AC, MB, CR.
          1329
               7288
                                CLA
          1321 7180
                                CLL
         1322 1027
                                TAD K14
                                                 10+14=14
         1323 1827
                                TAD K14
                                                 /14+14=30
         1324 1876
                                TAD K7740
                                                 /38+7748=7778
         1325 1102
                                TAD KØØØ7
                                                 /7770+7=7777
         1326
              7848
                                CMA
                                                 18
         1327 7420
                                SNL
              7440
         1330
                                SZA
         1331 7482
                                HLT
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 52.
                                                /7: AC. HB. CR.
         1332
               7280
                                CLA
         1333 7100
                                CLL
         1334 1831
                                TAD KJØ
                                                10+30=30
         1335 1231
                                TAD K38
                                                /3B+38=6B
         1336 1851
                                TAD K7717
                                                /68+7717#7777
         1337 7940
                                CMA
                                                18
         1340 7420
                                SNL
         1341 7440
                                SZA
         1342 7482
                                HLT
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 53.
                                                /6; AC, MB, CR.
         1343 7288
                               CLA
         1344 7100
                               CLL
         1345 1033
                               TAD K60
         1346 1033
                               TAD K6Ø
                                                /60+60=140
         1347 1075
                               TAD K7600
                                                /140+7600=7740
         1350 1105
                               TAD K0037
                                                /7740+37=7777
         1351 7040
                               CMA
                                                10
         1352 7420
                               SNL
         1353 7440
                               SZA
         1354 7402
                               HLT
                                               /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 54.
                                               /5; AC, MB, CR
         1395
             7200
                               CLA
         1356 7100
                               CLL
```

/PDP-8/E IN	STRUCTION	TEST 1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-18
	757 48 3 5		TAD K148					
	357 1035		TAD K140	/140+14	10×300			
	360 1035		TAD K7400		90=7700			
	361 1074		TAD KOOTT	/7700+7				
_	362 1106 363 7040		CMA	10	,			
	363 7040 364 7420		SNL	, ,				
	365 7440		SZA					
	366 7482		HLT	/TAD EF	RROR. AC	AND LINK SHOUL	D BE ZERO.	
1	360 / 2		112 1					
		/TAD	TEST 55.	/4; AC	, MB, CR	•		
1	367 7200		CLA					
	378 7188		CLL					
	371 1037		TAD K300	/0+300				
1	372 1037		TAD K300	/300+30				
1	373 1060		TAD K7177		177=7777			
	374 7848		CMA	18				
	375 7420		SNL					
	376 7448		SZA	ATAN ES	2000	AND LINK SHOUL	0 05 3500.	
1	377 7402		HLT	/IAU E	ARUR. AU	AND LINK SHOOL	O BE PERVI	
		4740	TEST 56.	/31 AC	, MB, CR	١.		
,	9284			, , , , , ,	, ,,,,,	•		
	400 7200 401 7100		CLA CLL					
	401 7100 402 1041		TAD K600	/8+600:	-600			
	483 1841		TAD K688		00=1400			
	484 1872		TAD K6000		6000=740	0		
	485 1118		TAD K8377		377=7777			
	406 7048		CMA	•				
	407 7420		SNL					
	410 7448		SEA					
	411 7402		HLT	/TAD E	RROR. AC	AND LINK SHOUL	D BE ZERO.	
		45.45		/21 AF	, MB, CR	· }_		
			TEST 57.	721 AU	, MD, C	•		
	412 7200		CLA					
	413 7188		CLL	/8+148	3 = 4 4 6 G			
	414 1844		TAD K1400 TAD K1400		1400=300	· ·		
	415 1044		TAD K4000		4000=700			
	416 1050 417 1111		TAD K0777		777=7777			
	420 7040		CMA	10				
	421 7428		SNL					
	422 7448		SZA					
	423 7482		HLT	/TAD E	RROR. AC	: AND LI K SHOUL	D BE ZERO.	
•						•		
			TEST 58.	/13 AC	, MB, CR	()		
	424 7200		CLA					
1	425 7188		CLL	/0+309	0-7866			
	426 1046		TAD K3000		0=3000 3000=600	10		
	427 1046		TAD K3000		3000-00€ 1777=777			
	430 1112		TAD K1777	/6000+	*/// <i>-///</i>	•		
	431 7040		CMA	/ 10				
	432 7428		SNL					
	433 7440 434 7402		SZA HLT	/TAD F	RROR. AC	AND LINK SHOU	LD BE ZERO	
1	434 7402		The I			· · · · · · · · · · · · · · · · · · ·	-	

Έ	INSTR	UCTION	TEST 1	MAINDE	C-BE-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-19
			/TAD	TEST 59		/01 AC.	MB, CR.			
	1435	7200		CLA	•	, 6, 76,	Mar Cu.			
	1436	7100		CLL		/				
	1437	1072			K6000	/0+6000	= 4 A B B			
	1440	1072			K6000		-0000 000=1 40	a.a.		
	1441	1066			(3777	/1 4000	•3777=1	99		
	1442	7040		CMA	19///	/1 6000	-3///=1	7777		
	1443	7430		SZL		11 0000				
	1444	7440		SEA						
	1445			HLT		/TAD ER	ROR. LIN	K SHOULD BE 1.	AC SHOULD	BE ZERO.
			/TAD	TEST 60.	•	/				
	1446	7200		CLA		•				
	1447	7190		CLL						
	1450	1067			7777	/0+7777:	7777			
	1451	1067		TAD K		/7777+7	77724 77	7.4		
	1452	1021		TAD K		/1 7776				
	1453	7040		CMA		/1 0000	*** ///	<i>'</i>		
	1454	7430		SZL		7 4 2000				
	1455	7440		SZA						
	1456	7402		HLT		/TAD ERF	OR. LINE	SHOULD BE 1.	AC SHOULD	BE ZERO.
			/040	TEST 1						
	1457	7200	* NAN							
	1460	7100		CLA						
	1461	1021		CLL TAD K	0004					
	1462	7010			0001		/ROTATE	PATTERN		
	1463	7428		RAR						
	1464	7402		SNL						
	. 19	7 7 5		HLT		ZRAR FAI ZLINK SH	LED. LIN DULD EQU	IK DROPPED A BI	Т	
			/RAR	TEST 2				THE H VILL		
	1465	7200		CLA						
	1466	7100		CLL						
	1467	1020		TAD K	0000		/ROTATE	PATTERN		
	1470	7010		RAR				· · · · · · · · · · · · · · · · · · ·		
	1471	744Ø		SZA						
	1472	7402		HLT		/RAR FAT	LED. A	C PICKED UP A	R I T	
						/A ONE T	N AC EQU	ALS THE PICKED	110 0 7 7	
			/RAR	TEST 3		~···~ 4	· · · · · · · · · · · · · · · · · · ·	HET THE PLUNED	AL DI	
	1473			CLA						
	1474	7100		CLL						
	1475	1020		TAD K	3000		/ROTATE	PATTERN		
		7010		RAR				1 14 1 1 15 14 14		
		7430		SZL						
	1500	7402		HLT		/RAL FAI	LED. LIN	K PICKED UP A E	216	
						/LINK SH	OULD EQU	AL ZERO	71 1	
			/RAP	TEST 4						
	1561	7200	, ,,,,,,	CLA						
		7100		CLL						
		7020		CML						
	1564	1020		TAD KE	0000		ROTATE I	PATTERN		

/PDF-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø V141 9-JUN-71

/PDP-8/E	INSTRU	JCTION	TEST 1	MAIN	DEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-28
	1505	7010		RAF	2					
	1506	7430		SZL						
	1507	7402		HLI		/RAR L1	NK PICK	ED UP A BIT		
	•					/LINK S	HOULD E	QUAL ZERO		
			/RAR	TEST 5	3					
	1510	7200		CLA						
	1511	7100		CLL						
	1512	7020		CML						
	1513	1067			K7777		/ROTAT	E PATTERN		
	1514	7010		RAR						
	1515 1516	7040 7440		CMA						
	1517	7402		SZA		4545 54				
	1317	1442		HLT				DROPPED A BIT		
			/DAB	TEST 6		/A UNE	IN AC E	QUALS THE DROPP	ED BIL	
	1520	7200	/ / / / /	CLA						
	1521	7100		CLL						
	1522	7020		CML						
	1523	1020			K0000		/ROTATI	E PATTERN		
	1524	7010		RAR			, NO 1 A 1 1	- PIIENN		
	1525	1066			K3777					
	1526	7040		CMA						
	1527	7450		SNA						
	1530	7430		SZL						
	1531	7402		HLT		/RAR FA	ILED AC	AND LINK		
						/SHOULD	EQUAL P	0000		
			/0.40	750- 7						
	1532	7200	ZRAK	TEST 7						
	1533	7100		CLA CLL						
	1534	1050			K4000		/POTATS	PATTERN		
	1535	7010		RAR	11.000		THOTALE	- PALIENN		
	1536	1065			K5777					
	1537	7040		CMA						
	154Ø	7450		SNA						
	1541	7430		SZL						
	1542	7402		HLT		/RAR FA	ILED AC	AND LINK SHOUL	D	
						/EQUAL	0000			
			/RAP	TEST &						
	1543	7200	FNAN	CLA						
	1544	7100		CLL						
		1045			K2000		/ROTATE	PATTERN		
	1546	7010		RAR	11.000		,	L.M. I. P. 1984		
	1547	1064			K6777					
	1550	7040		CMA						
		7450		SNA						
		7430		SZL		_				
	15 5 3	7402		HLT		/RAR FA	ILED AC	AND LINK SHOUL		
			48.45	TEC		/EQUAL (0000			
	4 6 2 4	7200	/RAR	TEST 9						
	1554 1555	7200 7100		CLA						
	1556	1042		CLL	K1000		/DATATE	BATTED:		
	2330	- · ·		IAU	V TO DA		PRUIAIL	PATTERN		

/PDP-8/E INSTRUCTION	TEST 1 MAINDEC-8E-DØAB	PAL10 V141 9-JUN-71	16:26 PAGE 1-21
1557 7010	RAR		
1560 1063	TAD K7377		
1561 7949	CMA		
1562 7450	SNA		
1563 7430	SZL		
1564 7402	HLT	/RAR FAILED AC AND LINK SHOULD /EQUAL 0000	
	/RAR TEST 10		
1565 7280	CLA		
1566 7100	CLL		
1567 1040	TAD KØ4ØØ	/ROTATE PATTERN	
1570 7010	RAR	Example on A best 1 Minth	
1571 1862	TAD K7577		
1572 7040	CMA		
1573 7450	SNA		
1574 7430	SEL		
1575 7402	HLT	/RAR FAILED AC AND LINK /Should Equal 0000	
	/RAR TEST 11		
1576 7200	CLÃ		
1577 7180	CLL		
1600 1036	TÃĎ KØ2ØØ	/ROTATE PATTERN	
1601 7010	RAR		
1602 1061	TAD K7677		
1603 7040	CMA		
1684 7450	SNA		
1605 7430	SZL		
1686 7482	HLT	/RAR FAILED AC AND LINK /Equal 8688	
	/RAR TEST 12		
1607 7200	CLA		
1619 7189	CLL		
1611 1034	TAD KØ1ØØ	/ROTATE PATTERN	
1612 7010	RAR		
1613 1057	TAD K7737		
1614 7040	CMA		
1615 7450	SNA		
1616 7430	SZL	,	
1617 7402	HLT	/RAR FAILED AC AND LINK /Should Equal 0000	
4/68 9088	/RAR TEST 13		
1620 7200 1621 7100	CLA		
1621 7100 1622 1032	CLL		
1622 1032 1623 7010	TAD KØØ4Ø	/ROTATE PATTERN	
1624 1056	RAR		
1625 7040	TAD K7757		
1626 7450	CMA		
1627 7430	SNA 831		
1630 7402	SZL HLT	/RAR FAILED AC AND LINK	
		· = +	

/SHOULD EQUAL 0000

PAUSE

		Articephones. Took 4	
		/INSTRUCTION TEST 1	
		/TAPE 2 /RAR TEST 14	
1631	7200	CLA	
1632	7100	CLL	
	1030	TAD KØØ2Ø	/ROTATE PATTERN
	7010	RAR	PROTATE PATTERN
	1055	TAD K7767	
	7040	CMA	
1637	7450	SNA	
1640	7430	SÆĻ	•
1641	7402	HĻT	/RAR FAILED AC AND LINK /SHOULD EQUAL ØØØØ
		/RAR TEST 15	A CHOOSE ERANG DEED
	7200	CLÂ	
	7100	CLL	
	1026	TAD KØØ1Ø	/ROTATE PATTERN
	7010	RAR	
1646 1647	1054 7040	TAD K7773	
	7450	CMA Sna	
	7430	SZL	
	7402	HLT	/RAR FAILED AC AND LINK
		T 😓 1	SHOULD EQUAL DOOD
		/RAR TEST 16	A DATE STORE
1653	7200	CLA	
1654	7100	CLL	
1655	1024	TAD K0004	/ROTATE PATTERN
1656 1657	7010 1053	RAR	
	7040	TAD K7775	
	7450	CMA Sna	
	7430	SZL	
1663	7402	HLT	/RAR FAILED AC AND LINK
		75 ·	SHOULD EQUAL DOOD
		/RAR TEST 17	A CHOOLS EADY DOOD
1664	7200	CLA	
1665	7100	CLL	
	1022	TAD KØØØ2	/ROTATE PATTERN
	7010	RAR	
	1052	TAD K7776	
	7040 7450	CMA	
	743Ø	SNA Sæl	
1674	7402	SEL HLT	JOAD FATIER AC AND LINE
#U/ T	, , , , ,	n . , 1	/RAR FAILED AC AND LINK /Should Equal 0000

		ADAD TEST 40	
1675	7200	/RAR TEST 18	
1676		CLA CLL	
1677		TAD K0001	406747F - B4877B
1700		RAR	/ROTATE PATTERN
1701		TAD K7777	
1702		CHA	
1783		SNA	
1704	7420	SNL	
1705	7402	HLT	/RAR FAILED AC AND LINK
		<u>-</u>	SHOULD EQUAL DOOD
		/RTR TEST 1	THE PUBLICATION OF THE PUBLICATI
1796		· CLA	
1787		CLL	
1710		TAD K0002	/ROTATE PATTERN
	7012	RTR	
	742Ø 7402	SNL	
1/13	/482	HL TÖ	ATR FAILED LINK DROPPED
		ADID TECH A	/A BIT LINK SHOULD EQUAL A ONE
1714	7200	/RTR TEST 2	
1715		CLA	
1716		CLL Tad køøøø	1845 - 56 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
	7012	RTR	/ROTATE PATTERN
	7440	SZA	
1721		HLT	ANTO FAILER AC DISPER UP
		,	/RTR FAILED AC PICKED UP A BIT /A ONE IN AC EQUALS THE PICKED UP BIT
		/RTR TEST 3	AN ONE IN WE FANTED INF MICKED ON BIL
1722	7200	CLA	
1723	7100	CLL	
1724	1020	TAD KØØØØ	/ROTATE PATTERN
	7012	RTR	
	7430 7402	SEL	
1727	7482	HĻŤ	/RTR LINK PICKED UP A BIT
		4878 FROM 4	/LINK SHOULD EQUAL ZERO
1730	7200	/RTR TEST 4	
1731	7100	CLA	
1732	7020	CLL CML	
1733	1020	TAD KOOOO	ABAY APP DARBON
	7012	RTR	/ROTATE PATTERN
1735	7430	SZL	
1736	7402	HĻŤ	PRTR LINK PICKED UP A BIT
			LINK SHOULD EQUAL ZERO
			A THE SHOPE COME SELO
		_	
4	***	/RTR TEST 5	
1737	7200	CLA	
1740	7100	CLL	
1741 1742	7020 1067	CML	
	7012	TAD K7777	/ROTATE PATTERN
1744	7040	RTR	
1745	7440	CMA SZA	
A - 7 F		SEA	

/E	INST	RUCTION	TEST 1	. MAINDEC-8E-DØ	JAB PAL10	V141	9-JUN-71	16:26	PAGE 1-24
	1746	7482		HLT	/RTR A	C DROPPE	D A BIT A ONE I	N	
			/RTP	TEST 6	AC EQ	UALS THE	DROPPED BIT		
	1747	7200	/ N · N	CLA					
	1750			CLL					
	1751			CML					
	1752			TAD KØØØØ		4007.7			
	1753			RTR		PRUTATE	PATTERN		
	1754			TAD K5777					
	1755			CMA					
	1756			SNA					
	1757			SZL					
	1760	7402		HLT	/PTD FA	TIED AC	AND LINK		
				, , , , , , , , , , , , , , , , , , ,	ZSHOW	EQUAL P	AND LINK		
			/RTR	TEST 7	75110020	EGOAL E	שטטי		
	1761			CLA					
	1762			čĪĪ					
	1763			TAD K4000		/ROTATE	PATTERN		
	1764	7012		RTR		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- FMI (CIN)		
	1765	1064		TAD K6777					
	1766	7040		CMA					
	1767			SNA					
	1770	7430		SEL					
	1771	7402		HLT	/RTR FA	ILED AC	AND LINK		
					/SHOULD	EQUAL B	866		
			/RTR	TEST 8					
	1772	7200		CLA					
	1773	7100		CLL					
	1774	1045		TAD K2000		/ROTATE	PATTERN		
	1775	7012		RTR			- · · · · · · · · · · · · · · · · · · ·		
	1776 1777	1063		TAD K7377					
		7848 7458		CMA					
	2000	7438		SNA					
	20 0 1 2002	7402		SEL					
	2002	1402		HLT	/RTR FAI	ILED AC	AND LINK		
					\2HOULD	EQUAL DE	786		
			/PTD	TEST 9					
	2003	7200	/RIR				•		
	2004	7100		CLA					
	2005	1842		CLL					
	2006	7012		TAD K1000 RTR		/ROTATE	PATTERN		
	2007	1062		TAD K7577					
	2010	7040		CMA					
	2011	7450		SNA					
	2012	7430		SEL					
	2013	7402		HLT	/RTR FAI	150 40 4	MA I TAIM		
				· · · · ·	SHOULD	FOULL GA	MU LINK		
			/RTR T	TEST 10	7 -110050	CACKE DO	V V		
	2014	7200		CLA					
	2015	7100		CLL					
	2016	1040		TÃO KØ4ØØ		/ROTAATE	PATTERN		
	2017	7012		RTR			· · · · · · · · · · · · · · · · · · ·		
7	2020	1061		TAD K7677					

	/PDP-8/E INSTR	UCTION	TEST 1	MAINDEC-SE-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-25	
		7040		CMA						
	2022	7450	•	SNA						
	2023	7430		SZL						
	2024			HLT	/RTR FA	ATLED AC	AND LINK			
					ZSHOUL C	EQUAL	AND FINA			
			/RTR	TEST 11	/3H00EE	EWUAL	GGGG			
	2025	7200	7 11 1 11	CLA						
	2026									
	2027	1036		CLL		.===				
	2030	7012		TAD KØ2ØØ		POTAT	E PATTERN			
	2031	1057		RTR						
ì	2032	7040		TAD K7737						
	2033	7450		CMA						
				SNA						
	2034	7430		SZL						
	2035	7482		HLT	/RTR FA	ILED AC	AND LINK			
					/SHOULD	EQUAL	0999			
	8.5.		/RTR	TEST 12						
	2036	7200		CLA						
	2037	7100		CLL						
	2040	1034		TAD KØ1ØØ		/ROTATE	E PATTERN .			
	2041	7012		RTR		,	- 12112111			
	2842	1956		TAD K7757						
	2043	7040		CMA						
	2844	7450		SNA						
	2045	7430		SZL						
	2846	7402		HLT	4070 54					
				mg. T	/RIR FA	ILED AC	AND LINK			
					/SHOULD	EGUAL R	0000			
			/RTR	TEST 13						
	2847	7200		CLA						
	2050	7100		CLL						
	2051	1032		TAD KØØ4Ø		40071TE				
	2052	7012		RTR		ZNUIAIE	PATTERN			
	2053	1055		TAD K7767						
	2054	7040		CMA						
	2055	7450								
	2056	7430		SNA						
	2057	7402		SZL	4875 5					
	2037	/ E-4,E		HLT	ZRIR FAI	ILED AC	AND LINK			
			4070	700-44	/SHOULD	EGUAL 0	000			
	2060	7200	FRIR	TEST 14						
				CLA						
	2061	7100		CLL			•		`,	
	2062	1030		TAD KØØ2Ø		/ROTATE	PATTERN		,	•
	2063	7012		RTR	-					•
	2064	1054		TAD K7773						
	2065	7040		CMA					•	
	2066	7450		SNA						
	2067	7430		SZL						
	2070	7402	•	HLT	/RTR FAT	LED AC	AND LINK			
				-	/SHOULD	FOUL C	444 FILL			
			/RTR T	EST 15	, 500.0	EGUAL D	998			
	2071	7200		CLÁ						
	2072	7100		CLL						
		1026		TAD KØØ1Ø		48AT . T.	B 4 B B B D (:			
				ING UNDIN		THOTATE	PATTERN			

/PDP-8/E	INSTRU	CTION	TEST	1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE	1-26
	2074	7012			RTR						
	2075	1053			TAD K7775						
	2076	7040			CMA						
	2077	7450			SNA						
	2100	7430			SZL						
	2101	7482			HĻŤ	/RTR FA /SHOULD		C AND LINK ØØØØ			
			/R	TR	TEST 16						
	2102	7300			CLA CLL			***			
	2103	1024			TAD K0004	/ROTATE	PATTER	(N			
	2104	7012			RTR						
	2105	1052			TAD K7776						
	2106	7040			CMA						
	2107	7450			SNA						
	2110	7430			SZL	40T0 EA	1: FR A	AC AND LINK			
	2111	7402			HLT	/SHOULD		AC AND LINK ØØØØ			
			/R	TR	TEST 17						
	2112	7200			CLA						
	2113	7100			CLL			_			
	2114	1022			TAD KØØØ2		/ROTAT	TE PATTERN			
	2115	7012			RTR						
	2116	7450			SNA						
	2117	7420			SNL						
	2120	7482			HLT			AC SHOULD EQUAL Hould equal one			
			/R	TR	TEST 18	,					
•	2121	7200			CLA						
	2122	7100			CLL						
	2123	1021			TÃO KOĐO1		PROTAL	TE PATTERN			
	2124	7812			RTR						
	2125	1066			TAD K3777						
	2126	7040			CMA						
	2127	7458			SNA						
	2138	7430			SZL	40.T0 EA		AC AND LINK			
	2131	7482			HLT	/SHOULD	BE SEL	AC AND LINK RO			
			/R	AL.	TEST 1		**				
	2132	7288	<i>F</i> 13		CLÂ						
	2132	7188			CLL						
	2134	1050			TAD K4000		/ROTAT	TE PATTERN			
	2135	7004			RAL						
	2136	7430			SEL						
	2137	7440			SZA						
	2140	7402			HLT	/RAL FA	ILED. A	AC SHOULD EQUAL	9999		
	2140	,	40	4.1		/LINK S	HOULD E	EQUAL ONE.			
		-056	/R	AL	TEST 2						
	2141	7200			CLA						
	2142	7160			CLL Tad køøøø		/RATA1	TE PATTERN			
	2143	1020					FILETA				
	2144	7004			RAL						
	2145	7420			SNL						
	2146	7440			SZA						

### ALT FAILED, AC SHOULD EQUAL \$888	/PDP-8/E	INSTRU	CTION	TEST 1	MAIND	EC-8E-DEAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-27
2156 7260 CLA 2151 7160 CLL 2152 7020 CML 2153 1020 TAD K8000		2147	7402		HLT					9000	
2151 7120 CLL 2152 7020 CML 2153 1020 TAD K0000 /ROTATE PATTERN. LINK#1 2154 7024 RAL 2155 7430 S2L 2156 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 0001 2161 7020 CML 2162 1067 TAD K7777 /ROTATE PATTERN. LINK#1 2161 7020 CML 2162 1067 TAD K7777 /ROTATE PATTERN. LINK#1 2164 7040 CML 2165 7440 S2A 2166 7422 MLT /RAL FAILURE. LINK SHOULD EQUAL ONE 2167 7280 CLA 2170 7280 CLA 2171 1045 TAD K2000 /ROTATE PATTERN 2172 7004 RAL 2173 1066 TAD K3777 2174 7040 CMA 2175 7450 SNA 2176 7430 S2L 2177 7402 MLT /RAL FAILURE. AC SHOULD EQUAL 0008 2201 7120 CLA 2202 1042 TAD K1000 /RAL FAILURE. AC SHOULD EQUAL 0008 2203 7004 RAL 2204 1045 TAD K3777 2205 7040 CLA 2206 7440 S2A 2207 7400 CLA 2207 7400 CLA 2208 7200 CLA 2208 7200 CLA 2209 7200 CLA 2201 71200 CLA 2202 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 7440 S2A 2205 7440 S2A 2207 7450 MLT /RAL FAILURE. AC SHOULD EQUAL 0000 2207 7450 CLA 2208 7450 CMA 2208 7450 CMA 2209 7450 CMA 2209 7450 CMA 2209 7450 CMA 2210 7450 CMA 2211 7450				/RAL	TEST 3						
2151 7128 CLL 2152 7020 CML 2153 1028 TAD K8000 /ROTATE PATTERN, LINK#1 2154 7024 RAL 2155 7430 SZL 2156 7422 MLT /RAL FAILURE, AC SHOULD EQUAL 8001 /RAL TEST 4 2157 7280 CLA 2160 7180 CLL 2161 7020 CML 2162 1067 TAD K7777 /ROTATE PATTERN, LINK#1 2163 7040 CMA 2164 7040 CMA 2165 7440 SZA 2166 7422 MLT /RAL FAILURE, LINK SHOULD EQUAL 0NE 2171 1045 TAD K2000 /ROTATE PATTERN 2172 7084 RAL 2173 1066 TAD K3777 2174 7040 CMA 2175 7450 SRA 2176 7430 SZL 2177 7402 MLT /RAL FAILURE, AC SHOULD EQUAL 8000 /RAL TEST 6 2200 7200 CLA 2217 7040 CMA 2175 7450 SRA 2176 7430 SZL 2177 7402 MLT /RAL FAILURE, AC SHOULD EQUAL 8000 /RAL TEST 6 2200 7200 CLA 2201 7120 CLA 2202 1042 TAD K1000 /ROTATE PATTERN /RAL TEST 7 2205 7040 CMA 2206 7440 SZA 2207 7402 MLT /RAL FAILURE, AC SHOULD EQUAL 8000 /RAL TEST 7 2205 7040 CMA 2206 7440 SZA 2207 7402 MLT /RAL FAILURE, AC SHOULD EQUAL 8000 /RAL TEST 7 2216 7200 CLA 2221 1040 TAD K1000 /ROTATE PATTERN /RAL TEST 7 2216 7400 CMA 2217 7402 MLT /RAL FAILURE, AC SHOULD EQUAL 8000 /RAL TEST 7 2216 7400 CMA 2217 7400 CMA 2211 7400		2150	7200		CLA						
2153 1828 TAD K8888 /ROTATE PATTERN. LINK=1 2154 7924 RAL 2155 7438 SZL 2156 7462 MLT / RAL FAILURE. AC SHOULD EQUAL 8881 /RAL TEST 4 2157 7288 CLA 2168 7188 CLL 2161 7828 CML 2162 1867 TAD K7777 /ROTATE PATTERN. LINK=1 2163 7884 RAL 2165 7448 SZA 2166 7482 MLT / RAL FAILURE. LINK SHOULD EQUAL ONE /RAL TEST 5 2167 7288 MLT / ROTATE PATTERN 2176 7888 CLA 2178 7188 CLA 2171 1845 TAD K2888 /ROTATE PATTERN 2172 7884 RAL 2173 1866 TAD K3777 2174 78780 SNA 2175 74780 SNA 2175 74780 SNA 2176 7478 SZL 2177 7482 MLT / RAL FAILURE. AC SHOULD EQUAL 8888 /LINK SHO											
2155 7438 S2L 2156 7482 HLT											
2155 7438 SZL 2156 7482 MLT						K0000		/ROTA	TE PATTERN. LIN	K=1	
A											
/RAL TEST 4 2197 7288							4044 64		AS CHOULD PAUL	1 4444	
2157 7268 CLA 2168 7108 CLL 2161 7028 CML 2161 7028 CML 2162 1067 TAD K7777 /ROTATE PATTERN. LINK=1 2162 1067 TAD K7777 /ROTATE PATTERN. LINK=1 2163 7084 RAL 2164 7048 CMA 2166 7462 MLT /RAL FAILURE. LINK SHOULD EQUAL ONE /RAL TEST 5 2167 7288 CLA 2170 7180 CLA 2171 1045 TAD K2098 /ROTATE PATTERN 2172 7094 RAL 2173 1066 TAD K3777 2174 7040 CMA 2175 7450 SNA 2176 7458 SNA 2177 7452 HLT /RAL FAILURE. AC SHOULD EQUAL 0088 /RAL TEST 6 2280 7280 CLA 2281 7100 CLA 2281 7100 CLA 2281 7100 CLA 2282 1042 TAD K1898 /ROTATE PATTERN 2283 7040 RAL 2284 1065 TAD K5777 2285 7040 CMA 2287 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 0088 /RAL TEST 7 2218 7280 CLA 2287 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 00888 /LINK SHOULD EQUAL 0088 /RAL TEST 7 2218 7280 CLA 2287 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 00888 /LINK SHOULD EQUAL 2280 /RAL TEST 7 2218 7280 CLA 2237 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 00888 /LINK SHOULD EQUAL 2280 /RAL 1287 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 00888 /RAL TEST 7 2218 7280 TAD K6488 /RAL 11 1084 TAD K6777 2218 7280 TAD K6777 2218 7280 TAD K6777 2218 7280 TAD K6777 2219 7280 TAD K6777 2219 7280 TAD K6777 2219 7280 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA 2211 7108 CLL 2212 1044 TAD K6777 2215 7040 CMA		2156	7462		HLT					T ARRI	
2168 7188 CLL 2161 7028 CML 2162 1067 TAD K7777 /ROTATE PATTERN. LINK=1 2163 7084 RAL 2164 7068 CMA 2165 7462 MLT /RAL FAILURE. LINK SHOULD EQUAL ONE /RAL TEST 5 2167 7288 CLA 2177 7084 RAL 2173 1066 TAD K3777 2174 7068 CMA 2175 7450 SNA 2176 7458 SZL 2177 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0088 /RAL TEST 6 2280 7288 CLA 2281 7188 CLL 2281 7188 CLL 2282 1062 TAD K1888 /ROTATE PATTERN RAL TEST 6 2283 7084 RAL 2284 1065 TAD K5777 2285 7068 CMA 2287 7482 MLT /RAL FAILURE. AC SHOULD EQUAL 00808 /RAL TEST 7 2287 7068 CMA 2287 7488 SZA 2288 S		1		/RAL							
2161 7020 CML 2162 7084 TAD K7777 /ROTATE PATTERN, LINK=1 2163 7084 RAL 2164 7084 SAA 2165 7448 SAA 2166 7482 HLT /RAL FAILURE, LINK SHOULD EQUAL ONE /RAL TEST 5 2167 7288 CLA 2178 7180 CLL 2171 1045 TAD K2000 /ROTATE PATTERN 2172 7084 RAL 2173 1066 TAD K3777 2174 7040 CHA 2175 7450 SNA 2176 7438 SEL 2177 7482 HLT /RAL FAILURE, AC SHOULD EQUAL 00800 /RAL TEST 6 2200 7200 CLA 2201 7100 CLA 2202 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 1065 TAD K5777 2205 7040 CHA 2207 7482 HLT /RAL FAILURE, AC SHOULD EQUAL 00000 /RAL TEST 6 2207 7482 HLT /RAL FAILURE, AC SHOULD EQUAL 000000 /RAL TEST 7 2210 7200 CHA 2201 7100 CHA 2203 7004 RAL 2204 1065 TAD K5777 2215 7040 CHA 2207 7482 HLT /RAL FAILURE, AC SHOULD EQUAL 000000 /RAL TEST 7 2210 7200 CHA 2211 7100 CLA 2211 7100 CLA 2212 1040 TAD K6777 2215 7040 CHA 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA				-							
2162 1867 TAD X7777 /ROTATE PATTERN. LINK=1 2163 7804 RAL 2164 7840 CH4 2165 7440 SZA 2166 7482 HLT /RAL FAILURE. LINK SHOULD EQUAL ONE /RAL TEST 5 2167 7200 CLA 2170 7100 CLL 2171 1845 TAD K2000 /ROTATE PATTERN 2172 7904 RAL 2173 1866 TAD K3777 2174 7840 CH4 2175 7490 SNA 2176 7430 SZL 2177 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 8000 /RAL TEST 6 2200 7200 CLA 2201 7100 CLA 2202 1842 TAD K1000 /ROTATE PATTERN 2203 7804 RAL 2204 7440 CH4 2205 7440 CH4 2206 7440 CH4 2207 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 80000 /RAL TEST 6 2207 7400 CH4 2208 7400 CH4 2210 7400 CH4 2211 7100 CLL 2212 1840 TAD K5400 /ROTATE PATTERN 2213 7904 RAL 2214 1864 TAD K64777 2215 7000 CH4 2216 7450 SNA											
2103 7884 RAL 2164 7846 CMA 2165 7448 SEA 2166 7482 MLT /RAL FAILURE, LINK SHOULD EQUAL ONE /RAL TEST 5 2167 7288 CLA 2178 7188 CLA 2178 7188 CLL 2171 1845 TAD K2888 /ROTATE PATTERN 2172 7884 RAL 2173 1866 TAD K3777 2174 7848 CMA 2175 7458 SNA 2176 7438 SEL 2177 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 /RAL TEST 6 2280 7288 CLA 2281 7188 CLL 2292 1842 TAD K1888 /ROTATE PATTERN 2284 1865 TAD K5777 2285 7848 CMA 2266 7448 SEA 2267 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 /RAL TEST 7 2218 7288 CLA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 /RAL TEST 7 2218 7288 CLA 2219 7288 CLA 2211 7188 CLL 2212 1848 SEA 2217 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 /RAL TEST 7 2218 7288 CLA 2219 7288 CLA 2211 7188 CLL 2212 1848 TAD K6777 2215 7884 RAL 2214 1864 TAD K6777 2215 7884 RAL 2214 1864 TAD K6777 2215 7884 RAL 2216 7488 SAA 2217 7884 RAL 2217 7884 RAL 2218 7884 RAL 2219 7884 RAL 2219 7884 RAL 2219 7884 RAL 2219 7884 RAL 2210 7884 RAL 2211 7884 TAD K6777 2215 7889 CMA 2216 7489 SAA						V7377		40044	TE BATTERN : IN	W-4	
2164 7848 CMA 2166 7482 SZA 2166 7482 HLT						K////		TRUIN	IE SALIENA! PIN	iv-T	
2165 7448											
A											
TRAL TEST 5 2167 7288 CLA 2178 7180 CLL 2171 1045 TAD K2000 /ROTATE PATTERN 2172 7004 RAL 2173 1066 TAD K3777 2174 7040 CMA 2175 7450 STL 2176 7450 STL 2177 7462 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 6 CLA 2201 7180 CLL 2202 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 1065 TAD K5777 2205 7040 SZA 2207 7462 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 7 /RAL FAILURE. AC SHOULD EQUAL 00000 /RAL TEST 7 /RAL FAILURE. AC SHOULD EQUAL 00000 /RAL TEST 7 /RAL FAILURE. AC SHOULD EQUAL 00000 /LINK SHOULD EQUAL 2ERO /ROTATE PATTERN /RAL FAILURE. AC SHOULD EQUAL 00000 /ROTATE PATTERN /RAL FAILURE AC SHOULD EQUAL 00000 /ROTATE PATTERN /RAL 100000000 /ROTATE PATTERN /ROTATE PATTER										UAL ONE	
2167 7288			•	/DAI	TECT &		/AU SHO	יטנט בש	OUT BREE		
2170 7180 CLL 2171 1845 TAD K2000 /ROTATE PATTERN 2172 7084 RAL 2173 1046 TAD K3777 2174 7048 CHA 2175 7450 SRA 2176 7430 SZL 2177 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 6 2200 7280 CLA 2201 7180 CLL 2202 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 1045 TAD K5777 2205 7040 CHA 2206 7440 SZA 2207 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 7 2210 7280 CHA 2211 7180 CHA 2211 7180 CLA 2211 7180 CLA 2211 7180 CLA 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1044 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K0400 /ROTATE PATTERN 2215 7040 CMA 2216 7450 SNA		2147	7500								
2171 1045 TAD K2000 /ROTATE PATTERN 2172 7084 RAL 2173 1066 TAD K3777 2174 7040 CMA 2175 7450 SNA 2176 7430 SZL 2177 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 6 2280 7280 CLA 2201 7100 CLL 2281 1042 TAD K1000 /ROTATE PATTERN 2281 1045 TAD K5777 2285 7040 CMA 2286 7440 SZA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 00000 /RAL TEST 7 2210 7200 CLA 2211 7100 CLA 2211 7100 CLA 2211 7100 CLA 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6400 /ROTATE PATTERN 2215 7040 CMA 2216 7450 SNA											
2172 7884 RAL 2173 1866 TAD K3777 2174 7840 CMA 2175 7450 SNA 2176 7430 SEL 2177 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 2177 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 /RAL TEST 6 2280 7280 CLA 2281 7180 CLL 2282 1842 TAD K1888 /ROTATE PATTERN 2283 7884 RAL 2284 1865 TAD K5777 2285 7848 CMA 2286 7448 SEA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 /RAL TEST 7 2218 7288 CLA 2211 7188 CLL 2212 1848 CLL 2212 1848 CAL 2213 7884 RAL 2214 1864 TAD K6777 2215 7848 CMA 2216 7458 SNA						K2000		/ROTA	TE PATTERN		
2173 1066 TAD K3777 2174 7040 CMA 2175 7450 SNA 2176 7430 SEL 2177 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 6 2200 7200 CLL 2201 7100 CLL 2202 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 1065 TAD K5777 2205 7040 CMA 2206 7440 SEA 2207 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 7 2210 7200 CLA 2211 7100 CLA 2211 7100 CLA 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 CLA 2214 1064 TAD K6777 2215 7040 CMA 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA								•			
2174 7040 CMA 2175 7450 SNA 2176 7430 SZL 2177 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 6 2200 7200 CLA 2201 7100 CLL 2202 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 1065 TAD K5777 2205 7040 CMA 2206 7440 SZA 2207 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 7 2210 7200 CLA 2211 7100 CLA 2211 7100 CLA 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K0400 /ROTATE PATTERN 2215 7040 CMA 2216 7450 SNA						K3777			-		
2176 7438 SZL 2177 7482 HLT											
2177 7462 HLT											
/RAL TEST 6 2280 7280 CLA 2281 7100 CLL 2282 1842 TAD K1888 /ROTATE PATTERN 2283 7884 RAL 2286 7448 SEA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8888 2287 7482 CLA 2211 7188 CLL 2212 1848 TAD K6488 /ROTATE PATTERN 2213 7884 RAL 2214 1864 TAD K6777 2215 7848 CMA 2215 7848 SEA 2217 7888 SEA 2217 7888 CLA 2211 7188 CLL 2212 1848 TAD K6488 /ROTATE PATTERN 2213 7884 RAL 2214 1864 TAD K6777 2215 7848 CMA 2216 7450 SNA		2176	7430					. .			
2280 7280 CLA 2281 7100 CLL 2282 1042 TAD K1000 /ROTATE PATTERN 2283 7004 RAL 2284 1065 TAD K5777 2285 7040 CMA 2286 7440 SZA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K6400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA		2177	7482		HLT					L 0000	
2201 7100 CLL 2202 1042 TAD K1000 /RCTATE PATTERN 2203 7004 RAL 2204 1065 TAD K5777 2205 7040 S&A 2206 7440 S&A 2207 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL 2ERO /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA				/RAL							
2292 1042 TAD K1000 /ROTATE PATTERN 2203 7004 RAL 2204 1065 TAD K5777 2205 7040 CMA 2206 7440 SEA 2207 7402 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K6400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA											
2203 7004 RAL 2284 1065 TAD K5777 2205 7040 CMA 2206 7440 S&A 2207 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0008 /LINK SHOULD EQUAL ZERO /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA								ADAT 4	TE BATTERN		
2284 1065 TAD K5777 2285 7048 CMA 2286 7448 SZA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 8008 /LINK SHOULD EQUAL ZERO /RAL TEST 7 2218 7288 CLA 2211 7188 CLL 2212 1048 TAD K6488 /ROTATE PATTERN 2213 7084 RAL 2214 1064 TAD K6777 2215 7048 CMA 2216 7458 SNA						K1000		/KUTA	IL PALLERN		
2285 7040 CMA 2286 7440 SEA 2287 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /INK SHOULD EQUAL ZERO /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA					RAL	VE777					
2265 7440 SEA 2207 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL 2ERO /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA						K3///					
2207 7482 HLT /RAL FAILURE. AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL 2ERO /RAL TEST 7 2210 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA											
2218 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA										/L 0000	
2218 7200 CLA 2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA				/ D Å :	TEST #						
2211 7100 CLL 2212 1040 TAD K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA		224 0	7200	- NAF							
2212 1040 TAO K0400 /ROTATE PATTERN 2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA				•							
2213 7004 RAL 2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA						K0400		/ROTA	TE PATTERN		
2214 1064 TAD K6777 2215 7040 CMA 2216 7450 SNA						··= ·= #					
2215 7040 CMA 2216 7450 SNA						K6777					
2216 7450 SNA				•							
2217 7430 SZL		2216			SNA						
		2217	7430		SZL						

/PDP-8/	E INSTRUCTION	TEST 1 MAINDEC-8E-DØAB	PAL10 V141 9-JUN-71 16:26 PAGE 1-28
	2220 7402	HLT	/RAL FAILURE. AC SHOULD EQUAL 0000 /Link should equal Zero
		ADAL TECT O	
	2221 7200	/RAL TEST 8	
	2222 7100		
	2223 1036		
	2224 7084	(A & ((D = D)	/ROTATE PATTERN
	2225 1063	C) P) Sec	
	2226 7040		
	2227 7450	CMA	
	2230 7430	SNA	
	2231 7402	SZL	/RAL FAILURE AC SHOULD EQUAL 0000
	2231 1465	HLT	/LINK SHOULD EQUAL ZERO
	2232 7200	/RAL TEST 9	
	2233 7100	CLA	
	2234 1034	CLL	
	2235 7004	TAD K0100	ROTATE PATTERN
	2236 1062	RAL	
	2237 7040	TAD K7577	
	2240 7450	CMA	
	2241 7430	SNA	
	2242 7402	SZL	/RAL FAILURE AC SHOULD EQUAL 0000
	5545 1465	HLT	/LINK SHOULD EQUAL ZERO
		/RAL TEST 10	
	2243 7200	CLA	
	2244 7100	CLL	
	2245 1032	TAD KØØ4Ø	/ROTATE PATTERN
	2246 7004	RAL	CHAIN INTERNA
	2247 1061	TAD K7677	
•	2250 7040	CMA	
	2251 7450	SNA	
	2252 7430	SZL	RAL FAILURE AC SHOULD EQUAL 8988
	2253 7402	HLT	/LINK SHOULD EQUAL A ZERO
		/RAL TEST 11	The state of the s
	2254 7200	CLA	
	2255 7100	CLL	
	2256 1030	TAD KØØ2Ø	/ROTATE PATTERN
	2257 7004	RAL	
	2260 1057	TAD K7737	
	2261 7040	CMA	
	2262 7450	SNA	
	2263 7430	SZL	ARAL FAILURE AC SHOULD EQUAL 8888
	2264 7402	HLT	/LINK SHOULD EQUAL A ZERO
	0015 5555	/RAL TEST 12	- W C - WIFE
	2265 7200	CLA	
	2266 7100	CLL	
	2267 1026	TAD K0010	/ROTATE PATTTERN
	2270 7004	RAL	···
	2271 1056	TAD K7757	
	2272 7040	CMA	
	2273 7450	SNA	
	2274 7430	SZL	/RAL FAILURE AC SHOULD EQUAL 0000
	2275 7402	HLT	/LINK SHOULD EQUAL A ZERO
-			

		/RAL TEST 13	
2276	7200	CLA	
2277	7100	cil	
2300		TAD KØØØ4	/ROTATE PATTERN
2301		RAL	,
2302		TAD K7767	
	7040	CMA*	
2304		SNA	
	7430	SZL	/RAL FAILED AC SHOULD EQUAL 0000
2306	7482	HLT	/LINK SHOULD EQUAL A ZERO
		/RAL TEST 14	
	7200	CLA	
	7100	CLL	
2311		TAD KØØØ2	/ROTATE PATTERN
2312	7004 1054	RAL	
2313	7040	TAD K7773	
2315		CMA	
	7430	SNA: Sæl	4DAL PATERS OF SUREY STATES
2317		HLT	AND FAILED AC SHOULD EQUAL BOOD
2041	,	/RAL TEST 15	/LINK SHOULD EQUAL A ZERO
2326	7200	CLA:	
2321		CLL	
2322		TAD K0001	/ROTATE PATTERN
	7884	RAL	PROTATE PATTERN
2324	1053	TAD K7775	
2325	7040	CMA.	
2326	7450	SNA	
	7430	SŧL	/RAL FAILED AC SHOULD EQUAL 8808
2339	7482	HL.T	/LINK SHOULD EQUAL ZERO
		/RAL TEST 16	
2331	7200	CLA:	
2332		CLL	
2333	7020	CML	
2334		RAL	
2335		TAD K7776	
23 3 6 23 3 7	7040 7450	CMA	
	7430	SNA	
2341	7482	SEL	ADAL FATERS AS AUGUS SON A SON
£041	, ,,,,,,	HET	AND FAILED AC SHOULD EQUAL 8888
		•	/LINK SHOULD EQUAL ZERO
		/RTL TEST 1	
2342	7200	CLÂ	
2343	7100	CLL	
2344	1045	TAD K2000	
2345	7006	RTL	
2346	7420	SNL	
2347	7402	HLT	/RTL LINK DROPPED A BIT
			/LINK SHOULD EQUAL A ONE
	2002	/RTL TEST 2	w
2350	7200	CLA	

/PDP-8/E INSTRUCTION	TEST 1 MAINDEC-8E-DØAB	PAL1Ø	V141	9-JUN-71	16:26	PAGE	1-30
2351 7100	CLL						
2352 1020	~~~		/DATATE	PATTERN			
2353 7006			ZKUIAIE	PATIENN			
2354 7440							
2355 7402		ADTI AC	DIGUED				
2030 / 102	HLT			UP A BIT	_		
	/RTL TEST 3	/A UNE	IN AC EG	WALS THE PICKE	D UP		
2356 7200							
2357 7100	**************************************						
2360 1020							
			POTATE	PATTERN			
	••••						
2362 7430	SŽL		_				
2363 7402	нцт			D UP A BIT			
		/LINK SH	IOULD EQ	UAL ZERO			
	/RTL TEST 4						
2364 7200	CLA						
2365 7100	CLL						
2366 7020	CML						
2367 1020	TAD K0000		/ROTATE	PATTERN			
2370 7006	RTL			•			
2371 7 43 0	SZL						
2372 7402	HLŤ	/RTL FAI	LURE. L	INK PICKED UP	A RIT		
		/LINK SH	OULD EQ	UAL A ZERO	~ 511		
		- ,					
	/RTL TEST 5						
2373 7200	CLA						
2374 7100	CLL						
2375 7020	CML						
2376 1067	TAĎ K7777		/ROTATE	PATTERN			
2377 7006	RTL						. •
2400 7040	CMĀ						
2481 7448	SZA						
2402 7402	HLT	JRTI FAT	URE. DE	ROPPED A BIT		1.5	
-	/RTL TEST 6			MILED W BI		1.5	
2463 7200	CLA				.sy	, i -	
2404 7100	CLL						
2405 1050	TAD K4000		/ROTATE	PATTERN	•		
2486 7886	RTL		,	i ei i toores¶	₩ ² *		
2407 1052	TAD K7776						
2410 7040	CMA						
2411 7450	SNA						
2412 7430	SEL						
2413 7402	HLT	JRTI FATI	ED 40 4	NO I THE GUGIN			
	ALT TEST 7	***** C W 1 (LED AC A	UND LINK SHOUL	S FOURT NA	00	
2414 7200	CLA						
2415 7100	čĹĹ						
2416 1045	TAD K2000		PATATE	PATTERN			
2417 7006	RTL	•	RUIAIL	FALLEN			
2420 7450	SNA						
2421 7420	SNL						
2422 7402	HLT	JOTI CAR	CB . C .	NB / 100/2			
ETEC / THE	HL!	7516 FAIL	LU AU A	ND LINK SHOULD)		
	/RTL TEST 8	/EQUAL DE	ששה				
2423 7200							
2720 /200	CLA						

/PDP-8/E	INSTR	UCTION	TEST	1	MAINDEC-8E-	DØAB F	PAL10	V141	9-JUN-71	16;26	PAGE 1-31
		7100			CLL						
	24 2 5	1042			TAD K1000			/ROTATI	E PATTERN		
	2426				RTL			7 // 4 / 7 / 7	- 1 - 1 1 6 114		
	2427				TAD K3777						
	2430	7040			CMA						
	2431	7450			SNA						
		7430			SZL						
	2433	7402			HLT	/	RTL FAI	LED AC	AND LINK SHOUL	D	
							EQUAL P	9666			
			/R	TL T	EST 9						
	2434	7200			CLA						
-	2435	7120			CLL						
	2436	1949			TAD KØ4ØØ			/ROTATE	PATTERN		
	24 3 7 24 46	7006 1065			RTL						
	2441	7848			TAD K5777						
		7450			CMA Sna						
	2443	7430			SZL						
		7402			HLT	,	DTI EAT		AND I THE GOALL	_	
		_		•	1761	,	EQUAL 2	EPO AU	AND LINK SHOUL	י	
			/R1	TL TI	EST 10	•		C120			
	2445	7200			CLA						
		7180			CLL						
	2447	1036			TAD KØ2ØØ			/ROTATE	PATTERN		
	2458	7006			RTL						
	2451 2452	1064 7040			TAD K6777						
	2453	7450			CMA						
	2454	7430			SNA						
	2455	7482			sæl Hlt	41	37: FAT				
		•			п<u>ь</u> і	/ /	EQUAL	LED AU	AND LINK SHOULD)	
			/RT	L TE	ST 11	,,	-UAL D	V D D			
	2456	7200			CLA						
	2457	7100			CLL						
	2460	1034			TAD K0100			/ROTATE	PATTERN		
	2461	7886			RTL				•		
	2462	1963			TAD K7377						
	2463	7046			CMA						
	2464 2465	7459 7430			SNA						
	2466	7402			SEL					•	
	2.460	7 122			HLT	/ H	QUAL 01	LED AC / Nga	AND LINK SHOULD	1	
			/RT	L TE	ST 12	, ,					
		7200			CLA	•					
		7100			CLL						
		1032			TAD KØØ4Ø			ROTATE	PATTERN		
		7006			RTL				- · •		
		1062			TAD K7577						
		7040 7450			CMA						
		7430			SNA						
		7402			SZL HLT	40	T1 F44.	CB			
	· · ·				ng i	/ K	UAL ØØ	, E.D. AU A Ioroi	AND LINK SHOULD		
				_		, [-UAL DE	UU			

		/RTL TEST 13	
2500	7200	CLA	
2581	7120	CLL	/ROTATE PATTERN
2502	1030	TAD KØØ2Ø	TRUIAIC PATTERN
2583	7006	RTL	
2504	1061 7040	TAD K7677	
25Ø5 25Ø6	7450	CMA Sna	
25Ø7	7430	SZL	
2510	7402	HLT	ARTE FAILED AC AND LINK SHOULD
2010	7442	nu '	/EQUAL 0000
		/RTL TEST 14	Leave page
2511	7200	CLA	
2512	7100	čĹĹ	
2513	1026	TAD KØØ1Ø	/ROTATE PATTERN
2514	7006	RTL	
2515	1057	TAD K7737	
2516	7040	CMA	
2517	7450	SNA	
2520	7430	SZL	
2521	7482	HLT	ALL FAILED AC AND LINK SHOULD
		/RTL TEST 15	
2522	7200	CLA	
2523	7100	CLL	MATITE BITTEDN
2524	1024	TAD KØØØ4	/ROTATE PATTERN
2525	7006	RTL	
2526	1056	TAD K7757	
2527	7848	CMA	
2538	7450 7430	SNA SZL	
2531 2532	7402	HLT	/RTL FAILED AC AND LINK SHOULD
274		76 '	/EQUAL 0000
		/RTL TEST 16	
2533	7200	CLA	
2534	7120	CLL	
2535	1022	TAD KØØØ2	/ROTATE PATTERN
2536	7006	RTL	
2537	1055	TAD K7767	
2548	7040	GMA	
2541	7450	SNA	
2542	7430	SZL	/RTL FAILED AC AND LINK
2543	7402	HLT	SHOULD EQUAL DOBD
•			ASUTOTO SMOKE PARA
		/RTL TEST 17	
2544	7200	CLA	
2545	7100	čĽĹ	
2546	1021	TAD KØØØ1	/ROTATE PATTERN
2547	7006	RTL	
2550	1054	TAD K7773	•
2551	7040	CMA	
2552	7450	SNA	

/PDP-8/E	INSTR	UCTION	TEST 1	MAINDEC-8E-DØA8	PAL10	V141	9-JUN-71	16:26	PAGE 1-33
		7430		SZĻ					
	2554	7482		HLT	/RTL FA	ILED AC	AND LINK		
			JRTL	TEST 18		CARVE .			
	2555			CLA					
	2556			CLL					
	2557			CML					
	2560 2561			RTL					
	2562			TAD K7775					
	2563			CMA					
		7430		SNA					
		7482		S≹L HLT	/DTI EA				
				nc 1	/SHOULD	EGNAL E	AND LINK 3000		
			/BSW	TEST 1					
		7200		CLA					
		7100		CLL					
	2578	7848		CMA .		/AC=777	77		
	2571	7002		Ð\$W			TYTES AC SHOUL	D EQUAL 777	7
	2572	7848		CMA					,
	2573 2574	7420 7440		SNL		ADID FI	NK SET?		
	2575	7482		SZA Hlt					
				.⊓ ⊊ 1		/BSW FA	ITINK SHOULD=(* 6 6 6	
			/BSW	TEST 2		/ A W MITO	FINN SHOOFDE	פון טו פון פון	
	2576	7280		CLA					
	2577	7188		CLL					
	2600	7020		CML		/LINK=1			
	26 8 1 26 8 2	7882 7458		BSW		/SWAP B	YTES AC SHOULD	EQUAL 0001	3
		7420		SNA					
	2684	7482		SNL					
	LVD.			HLT		ABAM CV	USED THE LINK		
			/RSW	TEST 3		/TO ROT	ATE		
	2685	7200	, 944	CLA					
	2686	7190		CLL					
	2607	1113		TAD K7700		/AC=770	а		
	2610	7002		BSW			TTES AC SHOULD	FOHAL MOTS	,
	2611			TAD K77ØØ		/AC=777	7	LACKE BELL	
	2612	7949		CHA		/AC=000			
	2613	7420		SNL					
		7440		SZÁ					
	2615	7462		HLT		/BSW FA	ILED AC AND LI	NK	
			/BSW T	EST 4		/SHOULD:	= 0 R R O		
	2616	7200	, , ,	CLA					
	2617	7180		ĞLÜ					
	2620	1106		TAD KØØ77		/AC=0077	7		
	2621	7002		BSW			TES AC SHOULD	EQUAL 7700	
	2622	1106		TAD KØØ77		/AC=7777	, - ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-4625 (,05	
	2623	7040		CMA		•			
	2624	7420		SNL					
	2625	7440		SZA					

P-8/E	INSTR	RUCTION	TEST 1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26 P	AGE 1-34
	2626	7402		HLT		/BSW F/	AILED AC AND LE	INK	
			/BSW	TEST 5		7370000	0-0000		
	2627	7300	. 501	CLA CLL					
	2630			TAD KØ77Ø					
	2631			BSM		401140			
	2632					/SWAP	BYTES AC SHOULD) EQUAL 7007	
	2633			TAD KØ77Ø					
				CMA					
	2634			SNL					
	2635			SZA					
	2636	7402		HLT		/BSW FA	ILED AC AND LI	NK	
						/SHOULD	EQUAL 0000	1411	
			/BSW	TEST 6		,	CHONE DADE		
	2637	7320		CLA CLL CML					
	2640	1117		TAD K7007					
	2641	7002		BSW		40440 0	WEER AS BURNEY		
	2642	1117				/SWAP B	YTES AC SHOULD	EQUAL 8778	
	2643	7040							
	2644		•	CMA					
		7430		SZL					
	2645	7440		SZA					
	2646	7482		HLT		/BSW FA	ILED AC		
						/SHOULD	EQUAL 0000 AN	D I TNK-4	
			/BSW	TEST 7			CHOME DOND WIL	D CIMEST	
	2647	7200		CLA					•
	2650	7100		CLL					
	2651	1114		TAD K5225		448-200	_		
	2652	7002		BSW		/AC=522			
	2653	1114				ASMAP B	YTES AC SHOULD	EQUAL 2552	
	2654	7040		TAD K5225		/AC=777	7		
				CMA					
	2655	7420		SNL					
	2656	7440		SZA					
	2657	7402		HLT		/BSW FA	ILED AC AND LIN	ik	
						/SHOULD	- 0000	•••	
			/B\$W 1	TEST 8			- 2000		
	2660	7200		CLA					
	2661	7100		CLL					
	2662	1115		TAD K2552		/48-0EE	_		
	2663	7002		BSW		/AC=2552			
	2664	1115				ASMAP BI	TES AC SHOULD	EQUAL 5225	
	2665	7040		TAD K2552		/AC=7777	7		
	2666	7420		CMA			÷		
			•	SNL					
	2667			SZA					
	2670	7402		HLT		/BSW FAI	LED AC AND LIN	K	
	• *								
			/GROUP	1 OPERATE TEST 1					
	2671	7200		CLA	/CLEAR A	۱.			
		7100		CLL	/CLEAR A	TAIL			
		7040		CMA	/CLEAR L	. 1 NA			
		7020			AL FULL	LS 7777			
	-	7300		CML	ILINK EG	UALS ONE			
		7420		CLA CLL	VIEST CO	MBINATIO	N		
				SNL					
		7440		SZA					
ā	2700	7402		HLT	/CLA CLL	FAILED.	LINK SHOULD B	ΕØ	
								- •	

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL18
                                                         V141
                                                                 9-JUN-71
                                                /AC SHOULD EQUAL 0000
                        /GROUP 1 OPERATE TEST 2
          2701 7200
                                CLA
                                                 /AC EQUALS 0000
          2702 1071
                                TAD K2525
                                                         /AC EQUALS 2525
          2703 7240
                                CLA CMA
                                                /TEST COMBINATION
          2704 7040
                                CMA
          2705 7440
                                SZA
          2706 7402
                                HLT
                                                /CLA CMA ERROR. AC SHOULD
                                                /BE 0000
                        /GROUP 1 OPERATE TEST 3
          2707 7200
                                CLA
          2710 7100
                                CLL
          2711 7040
                                CMA
                                                /AC=7777 LINK=1
          2712 7140
                                CLL CMA
                                                /TEST COMBINATION
          2713 7420
                                SNL
         2714 7440
                                SZA
         2715 7482
                                HLT
                                                /CLL CMA FAILED. AC AND LINK
                                                /SHOULD BE ZERO
                        VGROUP 1 OPERATE TEST 4
         2716 7100
                                CLL
         2717 7020
                                CHL
                                                /LINK=1
         2720 7200
                                CLA
         2721
               7040
                                CMA
                                                /AC=7777
         2722
              7340
                                CLA CMA CLL
                                                /TEST COMBINATION
         2723
              7848
                                CMA
         2724 7420
                                SNL
         2725 7440
                                SEA
         2726 7402
                                HLT
                                                /CLA CMA CLL FAILED. AC AND
                                                /LINK SHOULD BE BERO
                       /GROUP 1 OPERATE TEST 5
         2727
               7200
                               CLA
         2730 7100
                               CLL
                                                /LINK=0
         2731 7848
                               CMA
                                                /AC=7777
         2732 7220
                               CLA CML
                                               /TEST COMBINATION
         2733 7438
                               SEL
         2734 7440
                               SZA
         2735 7482
                               HLT
                                               /CLA CHL FAILED. AC SHOULD EQUAL
                                               /8000. LINK SHOULD BE A ONE
                       /GROUP 1 OPERATE TEST 6
         2736 7100
                               CLL
         2737 7020
                               CML
                                               /LINK=1
         2740 7120
                               CLL CML
                                               /TEST COMBINATION
        2741 7420
                               SNL
         2742 7402
                               HLT
                                               /CLL CML FAILED
                                               /LINK SHOULD BE A ONE
                       /GROUP 1 OPERATE TEST 7
        2743 7180
                               CLL
                                               /LINK=0
        2744 7120
                               CLL CML
                                               /TEST COMBINATION
        2745 7420
                               SNL
        2746 7482
                               HLT
                                               /CLL CML FAILED.
                                               /LINK SHOULD BE A ONE
                       /GROUP 1 OPERATE TEST 8
        2747 7120
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/LINK=1

CLL CML

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                                                                                         PAGE 1-36
                                                PAL10
                                                         V141
                                                                 9-JUN-71
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                 /AC=7777
                                CLA CMA
          2750 7240
                                                 /TEST COMBINATION
          2751 7320
                                CLA CLL CML
          2752 7430
                                SZL
          2753 7440
                                SZA
                                                 /CLA CLL CML FAILED, LINK SHOULD
          2754 7482
                                HLT
                                                 /BE 1. AC SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 9
                                                 /LINK#0, AC=7777
          2755 7340
                                CLA CLL CMA
          2756 7320
                                CLA CLL CML
                                                 /TEST COMBINATION
          2757 7430
                                SZL
          2760 7440
                                SZA
                                                 /CLA CLL CML FAILED, LINK SHOULD
          2761 7482
                                HLT
                                                 /BE 1, AC SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 10
                                                 /AC=7777, LINK=0
          2762 7340
                                CLA CLL CMA
                                                 /TEST COMBINATION
          2763 7060
                                CMA CML
          2764 7430
                                SZL
          2765 7440
                                SZA
                                                 /CMA CML FAILED. AC SHOULD BE
          2766 7482
                                HLT
                                                 /ØØØØ LINK SHOULD EQUAL ONE.
                        /GROUP 1 OPERATE TEST 11
                                                 /AC AND LINK=0
          2767
                7300
                                CLA CLL
                                                         /AC=2525
          2770 1071
                                TAD K2525
                                                 /TEST COMBINATION
          2771 7340
                                CLA CMA CLL
          2772 7848
                                CMA
          2773 7420
                                SNL
          2774 7440
                                SEA
                                                 /CLA CMA CML FAILED, AC SHOULD BE
          2775 7482
                                HLT
                                                 /0000, LINK SHOULD EQUAL EERO
                        /GROUP 1 OPERATE TEST 12
                                                 YAC AND LINK=0
          2776 7388
                                CLL CLA
                                TAB K2525
                                                         /AC=2525
          2777
               1871
                                                 /TEST COMBINATION
                                CLL CHA CML
          3000 7160
                                TAD K2525
          3001 1071
          3002 7040
                                CMA
          3003 7430
                                SEL
          3084 7448
                                SZA
                                                 /CLL CHA CHL FAILED. AC SHOULD BE
          3005 7402
                                HLT
                                                 /8888. LINK SHOULD EQUAL ONE
                        /GROUP 1 OPERATE TEST 13
          3006 7300
                                CLA CLL
                                                 /AC=0000. LINK=1
          3007 7020
                                CML
                                CLL CMA CML
                                                 /TEST COMBINATION
          3010
               7160
          3011 7040
                                CMA
          3012 7430
                                SEL
          3013 7440
                                SZA
                                                 /CLL CMA CML FAILED. AC SHOULD
          3014 7402
                                HLT
                                                 /BE 0000. LINK SHOULD BE ONE
                        /GROUP 1 OPERATE TEST 14
                                CLA CLL
          3015 7300
                                                         /AC=2525, LINK=0
                                TAD K2525
          3016 1071
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141 9-JUN-71
                                                                      16:26 PAGE 1-37
                              CLA CLL CMA CML /TEST COMBINATION
         3017 7360
         3020 7040
                               CMA
         3021 7430
                               SZL
         3022 7440
                               SZA
         3023 7402
                              HLT
                                             /CLA CLL CMA CML FAILED. AC SHOULD
                                             /BE ØØØØ LINK SHOULD EQUAL ONE.
                       /GROUP 1 OPERATE TEST 15
         3024 7520
                              CLA CLL CML
                                                    /AC=5252, LINK=1
         3025 1070
                              TAD K5252
                               CLA CLL CMA CML /TEST COMBINATION
         3026 7360
         3027 7040
                               CMA
         3030 7430
                              SEL
         3031 7440
                               SZA
                                              /CLA CLL GMA CML FAILED. AC SHOULD
          3832 7482
                               HLT
                                              /BE 000. LINK SHOULD EQUAL ONE
                      /GROUP 1 OPERATE TEST 16
         3033 7200
                              CLA
                              TAD K2525
                                                    /AC=2525
         3034 1071
         3035 7201
                               CLA IAC
                                             /TEST COMBINATION
                              TAD K7776
         3036 1052
         3037 7040
                               CMA
         3040 7440
                               SZA
         3041 7402
                                              /CLA IAC FAILED
                               HLT
                                              /AC SHOULD EQUAL 0000
                       /GROUP 1 OPERATE TEST 17
         3042 7320
                               CLL CML CLA
                                                    /AC=7776. LINK=1
         3843 1852
                              TAD K7776
                               CLL IAC
                                              /TEST COMBINATION
          3044 7101
          3045 7040
                               CMA
          3046 7420
                               SNL
         3047 7440
                               SZA
         3050 7402
                               HLT
                                              /CLL IAC FAILED. AC AND LINK
                                              /SHOULD EQUAL ZERO
                       /GROUP 1 OPERATE TEST 18
         3051 7320
                               CLA CLL CML
                                                     /AC=2525 LINK=1
         3052 1071
                              TAD K2525
                                           /TEST COMBINATION
                               CLA CLL IAC
         3053 7301
                               TAD K7776
          3054
               1052
         3855 7848
                               CMA
          3056 7420
                               SNL
         3057 7440
                               SZA
                                              /CLA CLL IAC FAILED. AC AND LINK
         3060 7402
                               HLT
                                              /SHOULD BE ZERO
                       /GROUP 1 OPERATE TEST 19
         3061 7300
                                            /AC=Ø LINK#Ø
                               CLA CLL
                                             /TEST COMBINATION
         3062 7041
                               CMA IAC
         3063 7430
                               SZL
         3064 7440
                               SZA
         3065 7402
                                              JCMA IAC FAILED. AC SHOULD EQUAL
                               HLT
                                              /8888. LINK SHOULD EQUAL ONE
                       /GROUP 1 OPERATE TEST 20
         3066 7300
                               CLA CLL
                                                    /AC=2525 LINK=Ø
          3067 1071
                              TAD K2525
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DBAB PAL10
                                                       V141
                                                               9-JUN-71
                                                                               16:26 PAGE 1-38
          3070 7241
                                CLA CMA TAC
                                               /TEST COMBINATION
          3071 7430
                                SZL
          3072 7440
                                SZA
          3073 7402
                                HLT
                                               /CLA CMA IAC FAILED. AC SHOULD
                                               /EQUAL 0000. LINK SHOULD BE ONE.
                       /GROUP 1 OPERATE TEST 21
         3074 7520
                               CLL CLA CML
                                               /AC=0000 LINK=1
         3075 1021
                               TAD KØØØ1
                                                       /AC=0001
         3076 7141
                               CLL CMA IAC
                                               /TEST COMBINATION
         3077 7040
                               CMA
         3100 7420
                               SNL
         3101 7440
                               SZA
         3102 7402
                               HLT
                                               /CLL CMA IAC FAILED. AC SHOULD BE
                                               10000 LINK SHOULD BE 0
                       /GROUP 1 OPERATE TEST 22
         3103 7320
                               CLA CLL CML
         3104 1071
                               TAD K2525
                                                       /AC=2525 LINK=1
         3105 7341
                               CLA CLL CMA IAC /TEST COMBINATION
              7430
         3106
                               SZL
         3107 7440
                               SZA
         3110 7402
                               HLT
                                               /CLA CLL CMA IAC FAILED. AC SHOULD BE
                                               /0000. LINK SHOULD BE ONE
                       /GROUP 1 OPERATE TEST 23
         3111 7300
                               CLA CLL
         3112 1070
                               TAD K5252
                                                      /AC=5252 LINK=6
         3113 7341
                               CLA CLL CMA IAC /TEST COMBINATION
         3114 7430
                               SZL
         3115 7440
                               SZA
        3116 7402
                                              /CLA CLL CMA IAC FAILED AC SHOULD
                               HLT
                                              /BE 0000, LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 24
        3117 7300
                              CLA CLL
        3120 1052
                              TAD K7776
                                                      /AC#7776 LINK=#
        3121 7021
                              CML IAC
                                              /TEST COMBINATION
        3122 7040
                              CMA
        3123 7430
                              SEL
        3124 7448
                              SZA
        3125 7402
                              HLT
                                              /CML IAC FAILED AC SHOULD BE
                                              /0000 LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 25
        3126 7320
                              CLA CLL CML
        3127 1052
                              TAD K7776
                                                     /AC =7776 LINK=1
        3130 7021
                              CML IAC
                                              /TEST COMBINATION
        3131 7040
                              CMA
        3132 7420
                              SNL
        3133 7440
                              SZA
        3134 7402
                              HLT
                                              /CML IAC FAILED. AC SHOULD BE
                                              /0000. LINK SHOULD BE ZERO
                      /GROUP 1 OPERATE TEST 26
        3135 7300
                              CLA CLL
        3136 1071
                              TAD K2525
                                                      /AC=2525 LINK=8
        3137 7221
                                              /TEST COMBINATION
                              CLA CML IAC
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TAD K7776

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16:26 PAGE 1-39
/PDP-8/5 INSTRUCTION TEST 1 MAINDEC-8E-DBAB PAL18 V141
                                                              9-JUN-71
          3141 7040
                               CMA
          3142 7430
                               SZL
          3143 7440
                               SZA
                                               /CLA CML IAC FAILED. AC SHOULD BE
          3144 7482
                               HLT
                                               10000. LINK SHOULD EQUAL ONE
                        /GROUP 1 OPERATE TEST 27
                                               /AC=0000 LINK=1
          3145 7520
                               CLA CLL CML
          3146 1052
                               TAD K7776
                                                      /AC=7776
                                               /TEST COMBINATION
                               CLL CML IAC
          3147 7121
          3150 7040
                               CMA
          3151 7430
                               SEL
          3152 7440
                               SZA
                                               /CLL CML IAC FAILURE, AC SHOULD BE
          3153 7482
                               HLT
                                               18888. LINK SHOULD EQUAL ONE.
                        /GROUP 1 OPERATE TEST 28
          3154 7300
                               CLA CLL
                                                      /AC=7776 LINK=Ø
          3155 1052
                               TAD K7776
                               CLL CML IAC /TEST COMBINATION
          3156 7121
          3157 7840
                               CMA
          3160 7430
                               SZL
          3161 7440
                               SZA
          3162 7482
                                               /CLL CHL IAC FAILED. AC SHOULD
                               HLT
                                               /BE 0000. LINK SHOULD BE ONE
                        /GROUP 1 OPERATE TEST 29
          3163 7300
                               CLA CLL
                                                      /AC=2525, LINK=#
                               TAD K2525
          3164 1071
          3165 7321
                               CLA CLL CML IAC /TEST COMBINATION
          3166 1052
                               TAB K7776
          3167 7040
                               CMA
          3178 7430
                               SEL
          3171 7440
                               SZA
                                               /CLA CLL CML IAC FAILED. AC SHOULD
        3172 7482
                               HLT
                                               /BE 0000, LINK SHOULD BE ONE
                        /GROUP 1 OPERATE TEST 30
          3173 7320
                               CLA CLL CML
                                                       /AC=2525 LINK=1
          3174 1871
                               TAD K2525
                               CLA CLL CML IAC /TEST COMBINATION
          3175 7321
          3176 1052
                               TAD K7776
          3177 7848
                               CMA
          3240 7430
                               SEL
          3281 7440
                               ASE
          3282 7402
                                               /CLA CLL CML IAC FAILED. AC SHOULD
                               HLT
                                               /BE 0000. LINK SHOULD BE ONE
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          3203 7300
                               CLA CLL
                               TAD KØØØ1
                                                      /AC=0001 LINK=0
          3284 1821
                               CMA CML IAC
                                            /TEST COMBINATION
          3205 7061
          3206 7040
                               CMA
          3207 7430
                               SEL
          3210 7440
                               SZA
```

HLT

/CMA CML IAC FAILED. AC SHOULD

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø V141
                                                              9-JUN-71
                                                                              16:26 PAGE 1-40
                                              /BE 0000. LINK SHOULD BE ONE
                       /GROUP 1 OPERATE TEST 32
         3212 7520
                               CLA CLL CML
         3213 1021
                               TAD K0001 /AC=0001 L
CMA CML IAC /TEST COMBINATION
                                                      /AC=0001 LINK=1
         3214 7061
         3215 7040
                               CMA
         3216 7420
                               SNL
         3217 7440
                               SZA
         3220 7402
                               HLT
                                             /CMA CML IAC FAILURE. AC SHOULD BE
                                              /0000. LINK SHOULD BE ZERO
                       /GROUP 1 OPERATE TEST 33
         3221 7300
                              CLA CLL
                                              /AC=0000 LINK=0
         3222 1071
                              TAD K2525
                                                    /AC=2525
         3223 7261
                              CLA CMA CML IAC /TEST COMBINATION
         3224 7420
                              SNL
         3225 7430
                              SEL
         3226 7402
                              HLT
                                              /CLA CMA CML IAC FAILED. AC SHOULD
                                              /BE 0000. LINK SHOULD BE ZERO
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         3227 7320
                              CLA CLL CML
         3230 1071
                              TAD K2525
                                                    /AC=2525 LINK=1
        3231 7261
                              CLA CMA CML IAC /TEST COMBINATION
        3232 7430
                              SEL
        3233 7440
                              SEA
        3234 7402
                                              /CLA CMA CML IAC FAILED. AC SHOULD
                              HLT
                                              /BE 0000. LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 35
        3235 7300
                              CLA CLL
        3236 1021
                              TAD KØØØ1
                                               /AC=0001 LINK=0
        3237 7161
                              CLL CMA CML IAC /TEST COMBINATION
        3240 7040
                              CMA
        3241 7430
                              SZL
        3242 7440
                              SZA
        3243 7402
                              HLT
                                             /CLL CMA CML IAC FAILED. AC SHOULD BE
                                             /0000. LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 36
        3244 7320
                              CLA CLL CML
        3245 1021
                              TAD KØØØ1
                                                    /AC=0001 LINK=1
        3246 7161
                              CLL CMA CML IAC /TEST COMBINATION
        3247 7040
                              CMA
        3250 7430
                              SZL
        3251 7440
                             SZA
        3252 7402
                             HLT
                                             /CLL CMA CML IAC FAILED. AC SHOULD BE
                                             /0000. LINK SHOULD BE ONE
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        3253 7300
                             CLA CLL
        3254 1071
                             TAD K2525
                                                   /AC=2525 LINK=Ø
        3255 7361
                             CLA CLL CMA CML IAC
                                                 /TEST COMBINATION
        3256 7420
                             SNL
        3257 7440
                             SZA
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/LINK SHOULD EQUAL ZERO

/CLA CLL CMA CML IAC FAILURE AC AND

HLT

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DEAB
                                                PAL10
                                                        V141
                                                                9-JUN-71
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                                                                                        PAGE 1-41
          3261 7360
                                CLA CMA CLL CML /AC=7777 LINK=1
          3262 7210
                                CLA RAR
                                                /TEST COMBINATION
          3263 1066
                                TAD K3777
          3264 7040
                                CMA
          3265 7420
                                SNL
          3266 7440
                                SZA
          3267 7482
                                HLT
                                                /CLA RAR FAILED, LINK AND
                                                /AC SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 39
         3270 7360
                                CLA CMA CLL CML /AC=7777 LINK=1
         3271 7284
                                CLA RAL
                                               /TEST COMBINATION
         3272 1852
                                TAD K7776
         3273 7040
                                CHA
         3274 7420
                                SNL
         3275 7440
                                SZA
         3276 7482
                                HLT
                                                /CLA RAL FAILED LINK AND
                                                /AC SHOULD EQUAL ZERO
                       /GROUP 1 OPERATE TEST 40
         3277 7360
                               CLA CMA CLL CML /AC=7777 LINK =1
         3360 7212
                                CLA RTR
                                               /TEST COMBINATION
         3391 1965
                                TAD K5777
         3382
               7848
                                CMA
         3383 7428
                                SNL
         3384 7448
                                SHA
         3385 7482
                               HLT
                                               /CLA RTR FAILED. AC AND
                                               /LINK SHOULD BE BERO
                       /GROUP 1 OPERATE TEST 41
         3386 7368
                               CLA CMA CLL CML /AC-7777, LINK#1
         3387 7286
                               CLA RTL
                                               /TEST COMBINATION
         3318 1853
                               TAD K7775
         3311 7040
                               CMA
         3312 7420
                               SNL
         3313 7440
                               SEA
         3314 7402
                               HLT
                                               /CLA RTL FAILED. AC AND LINK
                                               /SHOULDBE ZERO
                       /GROUP 1 OPERATE TEST 42
         3315 7320
                               CLA CLL CML
         3316 1032
                               TAD KØØ4Ø
                                                       /AC=0040 LINK=1
         3317 7110
                               CLL RAR
                                               /TEST COMBINATION
         3320 1056
                               TAD K7757
         3321 7040
                               CHA
        3322 7420
                               SNL
         3323 7440
                               SZA
        3324 7402
                               HLT
                                               /CLL RAR FAILED, AC AND LINK
                                               /SHOULD BE ZERO
                      /GROUP 1 OPERATE TEST 43
        3325 7320
                              CLA CLL CML
        3326 1932
                               TAD KØØ4Ø
                                                       /AC=0040 LINK=1
        3327 7104
                                               /TEST COMBINATION
                               CLL RAL
        3330
             1061
                               TAD K7677
        3331 7040
                               CMA
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10
                                                        V141
                                                                9-JUN-71
                                                                                16:26
          3332 7420
                                SNL
          3333 7440
                                SZA
                                                /CLL RAL FAILED. AC AND LINK
                                HLT
          3334 7482
                                                /SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 44
          3335 7520
                                CLA CLL CML
                                TAD KODAD
                                                        /AC=0040 LINK=1
          3336 1032
          3337 7112
                                CLL RTR
                                                /TEST COMBINATION
                                TAD K7767
          3340 1055
          3341 7040
                                CMA
          3342 7420
                                SNL
          3343 7440
                                SZA
                                                /CLL RTR FAILED. AC AND LINK
          3344 7402
                                HLT
                                                /SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 45
              7320
                                CLA CLL CML
          3345
                                                        /AC=0040 LINK=1
          3346 1032
                                TAD KØØ4Ø
                                CLL RTL
                                                /TEST COMBINATION
          3347 7186
                                TAD K7577
          3350 1062
               7849
          3351
                                CMA
          3352 7420
                                SNL
          3353 7440
                                SEA
                                                /CLL RTL FAILED. AC AND LINK
          3354 7402
                                HLT
                                                /SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 46
                                CLA CLL CML CMA /AC=7777 LINK=1
          3355 7360
                                CLL CLA RAR
                                                /TEST COMBINATION
          3356 7310
          3357 7420
                                SNL
          3360 7440
                                SZA
                                                /CLL CLA RAR FAILED AC AND
                                HLT
         3361 7402
                                                /LINK SHOULD BE BERO
                        /GROUP 1 OPERATE TEST 47
                                CLA CMA CLL CML /AC=7777 LINK=1
         3362 7360
                                                /TEST COMBINATION
                                CLL CLA RAL
               7304
         3363
                                SNL
          3364 7420
          3365 7438
                                SEL
                                                /CLL CLA RAL FAILED. AC AND
          3366 7402
                                HLT
                                                /LINK SHOULD BE BERO
                        /GROUP 1 OPERATE TEST 48
                                CLA CMA CLL CML /AC=7777 LINK=1
          3367 7360
                                                /TEST COMBINATION
                                CLA CLL RTR
          3370 7312
               7428
                                SNL
          3371
          3372 7440
                                SEA
                                                /CLA CLL RTL FAILED. AC AND
          3373 7402
                                HLT
                                                /LINK SHOULD BE ZERO
                        JGROUP 1 OPFRATE TEST 49
                                CLA CMA CLL CML /AC=7777 LINK=1
          3374 7360
                                                /TEST COMBINATION
                                CLA CLL RTL
          3375 7306
                                SNL
          3376
               7420
              7440
                                SEA
          3377
                                                 /CLA CLL RTL FAILED. AC AND
                                HLT
          3400
              7402
                                                 /LINK SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 50
```

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PAGE 1-43
                                                                9-JUN-71
                                                                               16:26
                                                     V141
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10
                                                /AC=0000 LINK=0
          3401 7300
                                CLA CLL
                                CML RAR
                                                /TEST COMBINATION
          3402 7030
                                TAB K3777
         3403 1066
          3404 7040
                                CMA
          3405 7420
                                SNL
          3406 7440
                                SZA
                                                /CML RAR FAILED. AC AND LINK
          3407 7402
                                HLT
                                                /SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 51
          3410 7300
                                                /AC=0000 LINK =0
                                CLA CLL
          3411 7024
                                CML RAL
                                                /TEST COMBINATION
                                TAD K7776
          3412 1052
          3413 7040
                                CMA
          3414 7429
                                SNL
          3415 7440
                                SEA
                                                /CML RAL FAILED. AC AND LINK
          3416 7492
                                HLT
                                                /SHOULD BE ZERO.
                        /GROUP 1 OPERATE TEST 52
               7300
                                                /AC=0000 LINK=0
          3417
                                CLA CLL
          3420 7832
                                CML RTR
                                                /TEST COMBINATION
                                TAD K5777
          3421
               1065
          3422 7940
                                CHA
               7420
          3423
                                SNL
          3424 7448
                                SEA
          3425 7482
                                                /CML RTR FAILED. AC AND LINK
                                HLT
                                                /SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 53
                                                /AC=0000 LINK=0
          3426
               7300
                                CLA CLL
                                CML RTL
                                                /TEST COMBINATION
               7026
          3427
                                TAD K7775
          3430 1053
               7948
          3431
                                CHA
          3432
               7428
                                SNL
               7440
                                SEA
          3433
                                                /CML RTL FAILED. AC AND LINK
          3434 7402
                                HLT
                                                /SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 54
          3435
               7300
                                CLA CLL
                                TAD K5252
                                                       /AC=5252 LINK=Ø
          3436 1070
          3437 7230
                                CLA CML RAR
                                                /TEST COMBINATION
                                TAD K3777
          3440 1066
          3441 7840
                                CMA
          3442 7420
                                SNL
          3443 7440
                                SZA
                                               /CLA CML RAR FAILED. AC AND
          3444 7402
                                HLT
                        PAUSE
                        /INSTRUCTION TEST - 1
                        /GROUP 1 OPERATE TEST 55
                        /TAPE 3
          3445 7300
                                CLA CLL
                                TAD K5252
                                                        /AC=5252 LINK=Ø
          3446 1070
                                              /TEST COMBINATION
          3447 7224
                                CLA CML RAL
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø
                                                        V141
                                                                9-JUN-71
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                                                                                        PAGE 1-44
          3450 1052
                                TAD K7776
          3451 7040
                                CMA
          3452 7420
                                SNL
          3453 7440
                                SZA
          3454 7482
                                HLT
                                                /CLA CML RAL FALED. AC AND
                                                /LINK SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 56
          3455 7300
                                CLA CLL
         3456 1070
                                TAD K5252
                                                        /AC=5252 LINK=Ø
         3457 7232
                                                /TEST COMBINATION
                                CLA CML RTR
          3460 1065
                                TAD K5777
          3461
              7040
                                CMA
         3462 7420
                                SNL
         3463 7440
                                SZA
         3464 7402
                                HLT
                                                /CLA CML RTR FAILED. AC AND
                                                /LINK SHOULD BE ZERO
                       /GROUP 1 OPERATE TEST 57
         3465 7300
                                CLA CLL
         3466 1070
                                TAD K5252
                                                        /AC=5252 LINK=Ø
         3467 7226
                                CLA CML RTL
                                                /TEST COMBINATION
         3470 1053
                                TAD K7775
         3471 7040
                                CMA
         3472 7420
                                SNL
         3473
              7440
                                SZA
         3474 7482
                               HLT
                                                /CLA CML RTL FAILED, AC AND
                                                /LINK SHOULD EQUAL ZERO
                       /GROUP 1 OPERATE TEST 58
         3475
               7300
                                CLA CLL
                                                /AC=0000 LINK=0
         3476
              7130
                                CLL CHL RAR
                                                /TEST COMBINATION
         3477 7004
                                RAL
              7430
         3500
                                SEL
         3501 7440
                                SEA
         3562 7402
                                                /CLL CHL RAR FAILED. AC SHOULD
                                HLT
                                                /BE 0000 LINK SHOULD BE 1
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                               CLA CLL CML
         3584
               7130
                               CLL CML RAR
                                                /TEST COMBINATION
         3585 7004
                               RAL
         3586 7438
                               SEL
         3507 7440
                               SZA
         3510 7402
                               HLT
                                                /CLL CML RAR FAILED. AC SHOULD BE
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                               CLA CLL
         3512 7124
                               CLL CML RAL
                                               /TEST COMBINATION
         3513 7010
                               RAR
         3514 7430
                               SZL
         3515 7440
                               SZA
         3516 7402
                               HLT
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                                               /EQUAL 0000. LINK SHOULD BE ONE
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                               CLA CLL CML
                                               /AC=0000 LINK=1
         3520 7124
                               CLL CML RAL
                                               /TEST COMBINATION
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø V141
                                                           9-JUN-71
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                                                                                    PAGE 1-45
         3521 7010
                               RAR
         3522 7430
                               SZL
         3523 7440
                              SZA
         3524 7482
                               HLT
                                            /CLL CML RAL FAILED. AC SHOULD
                                              /EQUAL 0000. LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 62
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                              CLA CLL
                                             /AC=0000 LINK=0
         3526 7132
                                              /TEST COMBINATION
                              CLL CML RTR
         3527 7006
                              RTL
         3530 7430
                              SZL
         3531 7440
                              SZA
         3532 7402
                              HLT
                                            /CLL CML RTR FAILED. AC SHOULD
                                             /BE 0000, LINK SHOULD BE ONE
                       /GROUP 1 OPERATE TEST 63
         3533 7320
                              CLA CLL CML
                                            /AC=0000 LINK=1
         3534 7132
                              CLL CML RTR
                                              /TEST COMBINATION
         3535 7006
                              RTL
         3536 7430
                              SZL
         3537 7440
                              SZA
         3540 7402
                                              /CLL CML RTR FAILED. AC SHOULD
                              HLT
                                              /BE 0000 LINK SHOULD BE ONE.
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         3541 7388
                              CLA CLL
                                        /AC=0000 LINK=0
         3542 7126
                              CLL CML RTL
                                            /TEST COMBINATION
         3543 7012
                              RTR
         3544 7430
                              SZL
         3545 7440
                              SZA
         3546 7402
                              HLT
                                             /CLL CML RTL FAILED. AC SHOULD
                                              /BE 0000. LINK SHOULD BE A ONE
                      /GROUP 1 OPERATE TEST 65
         3547 7320
                              CLA CLL CML /AC=0000 LINK=1
         3550 7126
                              CLL CML RTL
                                              /TEST COMBINATION
         3551 7012
                              RTR
         3592 7430
                              SZL
         3553 7440
                              SZA
         3554 7402
                              HLT
                                             /CLL CML RTL FAILED. AC SHOULD
                                             /BE 0000. LINK SHOULD BE A ONE.
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                              CLA CLL
         3556 1070
                              TAD K5252
                                           /AC=5252 LINK=Ø
         3557 7330
                              CLA CLL CML RAR /TEST COMBINATION
         3560
             7994
                              RAL
         3561
              7430
                              SEL
         3562 7440
                              SZA
         3563 7402
                              HLT
                                             /CLA CLL CML RAR FAILED. AC SHOULD
                                             /BE 0000, LINK SHOULD BE ONE
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                              CLA CLL CML
         3565 1071
                              TAD K2525
                                                   /AC=2525 LINK=1
         3566 7330
                              CLA CLL CML RAR /TEST COMBINATION
         3567 7004
                              RAL
         3570
             7430
                              SZL
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SZA

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-BE-DØAB PALIØ V141 9-JUN-71 16:26 PAGE 1-46
         3572 7402
                           HLT
                                      /CLA CLL CML RAR FAILED. AC SHOULD
                                           /BE 0000. LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 68
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                             CLA CLL
         3574 1071
                             TAD K2525
                                               /AC=2525 LINK=Ø
         3575 7324
                             CLA CLL CML RAL /TEST COMBINATION
         3576 7010
                             RAR
         3577 7430
                             SZL
         3600 7440
                             SZA
         3601 7402
                                          /CLA CLL CML RAL FAILED. AC SHOULD
                             HLT
                                           /BE 0000. LINK SHOULD BE ONE
                    /GROUP 1 OPERATE TEST 69
         3602 7520
                             CLA CLL CML
         3683 1070
                             TAD K5252
                                                  /AC=5252 LINK=1
        3604 7324
                             CLA CLL CML RAL /TEST COMBINATION
        3605 7010
                             RAR
        3606 7430
                             SZL
        3607 7440
                             SZA
        3610 7402
                                          /CLA CLL CML RAL FAILED. AC SHOULD
                             HLT
                                          BE DODO LINK SHOULD BE A ONE
                     /GROUP 1 OPERATE TEST 70
        3611 7300
                             CLA CLL
        3612 1071
                             TAD K2525
                                                 /AC=2525 LINK=Ø
        3613 7332
                             CLA CLL CML RTR /TEST COMBINATION
        3614 7006
                             RTL
        3615 7430
                             SZL
        3616 7440
                             SZA
        3617 7402
                             HLT
                                         /CLA CLL CML RTR FAILED. AC SHOULD
                                          /BE 0000, LINK SHOULD BE A ONE
                     /GROUP 1 OPERATE TEST 71
        3620 7320
                             CLA CLL CML
        3621 1070
                             TAD K5252
                                                  /AC=5252 LINK=1
        3622 7332
                             CLA CLL CML RTR /TEST COMBINATION
        3623 7006
                             RTL
        3624 7430
                            SZL
        3625 7440
                            SZA
        3626 7402
                            HLT
                                          /CLA CLL CML RTR FAILED. AC SHOULD
                                          /BE 0000, LINK SHOULD BE A ONE
                     /GROUP 1 OPERATE TEST 72
        3627 7300
                            CLL CLA
                                       /AC=2525 LINK=0
        3630 1071
                            TAD K2525
        3631 7326
                            CLA CLL CML RTL /TEST COMBINATION
        3632 7012
                            RTR
        3633 7430
                            SZL
        3634 7440
                            SZA
        3635 7402
                                          /CLA CLL CML RTL FAILED. AC SHOULD
                            HLT
                                           /BE 0000. LINK SHOULD BE A ZERO
                     /GROUP 1 OPERATE TEST 73
       3636 7520
```

CLL CLA CML

3637 1070 3640 7526

CLL CLA CML
TAD K5252 /AC=5252 LINK=1

CLA CLL CML RTL /TEST COMBINATION

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PAGE 1-47
/PDF-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10
                                                        V141
                                                                9-JUN-71
                                                                                16:26
          3641 7012
                                RTR
          3642 7430
                                SZL
          3643 7440
                                SZA
                                                /CLA CLL CML RTL FAILED. AC SHOULD
          3644 7482
                                HLT
                                                /BE 0000, LINK SHOULD BE A ONE
                        /GROUP 1 OPERATE TEST 74
          3645 7300
                                CLA CLL
                                TAD K7777
                                                        ITEST PATTERN
          3646 1067
                                                /AC EQUALS 0001
          3647 7041
                                CIA
                                TAD K7776
          3650 1052
          3651 7040
                                CMA
          3652 7420
                                SNL
                                                /CIA FAILED AC SHOULD EQUAL 0000
          3653 7440
                                SZA
                                                /LINK SHOULD EQUAL A ZERO
          3654 7482
                                HLT
                        /GROUP 1 OPERATE TEST 75
          3655 7300
                                CLA CLL
                                                        ITEST PATTERN
          3656 1852
                                TAD K7776
                                                /AC EQUALS 0002
          3657 7941
                                CIA
                                TAD K7775
          3668 1053
          3661 7040
                                CMA
          3662 7420
                                SNL
                                               /CIA FAILED AC SHOULD EQUAL 8888
          3663 7440
                                SEA
                                                /LINK SHOULD EQUAL A ZERO
          3664 7482
                                HLT
                        /GROUP 1 OPERATE TEST 76
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                                CLA CLL
                                                        JTEST PATTERN
          3666 1191
                                TAD K7774
                                                /AC EQUALS 0004
          3667 7041
                                CIA
          3678 1954
                                TAD K7773
          3671 7848
                                CMA
          3672 7420
                                SNL
                                                /CIA FAILED AC SHOULD EQUAL 5595
          3673 7440
                                ASS
                                                /LINK SHOULD EQUAL ZERO
               7482
          3674
                                HLT
                        /GROUP 1 OPERATE TEST 77
          3675 7300
                                CLA CLL
                                                        /TEST PATTERN
          3676 1100
                                TAD K7778
                                                /AC EQUALS 8818
          3677 7841
                                CIA
          3788 1855
                                TAD K7767
          3781 7848
                                CMA
          3782 7420
                                SNL
          3783 7440
                                ASS
                                                /CIA FAILED AC SHOULD EQUAL $600
          3784 7482
                                HLT
                        /GROUP 1 OPERATE TEST 78
          3705 7300
                                CLA CLL
                                                        ITEST PATTERN
          3796 1077
                                TAD K776Ø
                                                /AC EQUALS 8020
          3707 7041
                                CIA
                                TAD K7757
          3718 1856
          3711 7040
                                CMA
          3712 7420
                                SNL
          3713 7440
                                SZA
                                                /CIA FAILED AC SHOULD EQUAL 8000
          3714 7402
                                HLT
                                                /LINK SHOULD EQUAL ZERO
                        AGROUP 1 OPERATE TEST 79
          3715 7300
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CLA CLL

3716 1076 TAD K7748 /TEST PATTERN 3717 7061 CIA / AC EQUALS 8848 3172 7064 CMA / AC EQUALS 8848 3172 7064 CMA / AC EQUAL 8888 6	/PDP-8/E	INSTRU	CTION	TEST	1	MAINDEC-8E-D	PAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-48
3728 1857 TAD K7737 /AC EQUALS 8848 3721 7848 SNL 3722 7428 SNL 3722 7428 SNL 3724 7482 HLT /CIA FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 88 CLA CLL 3727 7380 TAD K7737 AC EQUALS 8188 3727 7841 CIA CAL 3738 1861 TAD K7757 3731 7848 CHA 3732 7428 SNL 3733 7448 SNL 3733 7448 HLT /CIA FAILED A SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 81 3735 7482 HLT /CIA FAILED A SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 81 3736 1875 TAD K7688 /AC EQUALS 8288 3740 1892 TAD K7577 3741 TAD K7688 /AC EQUALS 8288 3741 7848 SEA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 82 CLA CLL 3747 7488 SRL 3747 7482 SNL 3747 7482 SNL 3747 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 82 CLA CLL 3757 7841 CIA /AC EQUALS 8288 //GROUP 1 OPERATE TEST 83 CLA CLL 3757 7848 SEA 3757 7448 SEA 3758 1804 TAD K7888 /LINK SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 83 CLA CLL 3757 7482 SNL 3757 7482 SAL 3757 7482 SAL 3757 7482 SAL 3757 7482 SEA 3758 1804 TAD K7888 /LINK SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 83 CLA CLL 3768 TAB K7888 /LINK SHOULD EQUAL 2ERO //GROUP 1 OPERATE TEST 83 CLA CLL 3768 TAB K7888 /LINK SHOULD EQUAL 2ERO //GROUP 1 OPERATE TEST 83 CLA CLL 3767 7482 SNL 3767 7482 SNL 3767 7482 SAL 3768 TAB K7888 /LINK SHOULD EQUAL 2ERO //GROUP 1 OPERATE TEST 84 //CIA FAILED AC SHOULD EQUAL 8888 //CIA FAILED AC SHOULD EQUAL 2ERO //CROUP 1 OPERATE TEST 84 //CIA FAILED AC SHOULD EQUAL 8888 //CIA FAILED AC SHOULD EQUAL 2ERO //CROUP 1 OPERATE TEST 84 //CIA FAILED AC SHOULD EQUAL 2ERO //CROUP 1 OPERATE TEST 84 //CIA FAILED AC SHOULD EQUAL 2ERO //CROUP 1 OPERATE TEST 84									/TEST	PATTERN		
3721 7948 CMA 3722 7428 SNL 3722 7428 SNL 3722 7428 SNL 3723 7448 SZA 3724 7422 HLT /CIA FAILED AC SHOULD EQUAL 88888 //CROUP 1 OPERATE TEST 88 CLA CLL 3726 1113 TAD K7788 /AC EQUALS 8188 3727 7841 CIA 3738 1861 TAD K7677 3731 7948 CMA 3732 7428 SNL 3733 7448 SZA 3733 7448 SZA 3734 7482 HLT /CIA FAILED AC SHOULD EQUAL 88880 //CROUP 1 OPERATE TEST 81 CLA CLL 3736 1875 TAD K7688 /TEST PATTERN 3737 1861 CIA CLL 3736 1875 TAD K7688 /TEST PATTERN 3737 7841 CIA 3734 7482 SNL 3734 7482 SNL 3741 7848 SZA 3741 7848 SZA 3741 7848 SZA 3743 7448 SZA 3744 7482 SNL 3757 7482 SNL 3757 7482 HLT /CIA FAILED AC SHOULD EQUAL 88888 //CIA FAILED AC SHOULD EQUAL 2ERO //CROUP 1 OPERATE TEST 84 //CIA FAILED AC SHOULD EQUAL 2ERO //CROUP 1 OPERATE TEST 84 //CIA FAILED AC SHOULD EQUAL 2ERO									446 50	HALE BOAR		
3722 7428 SNL 3724 7422 HLT /CIA FAILED AG SHOULD EQUAL 8888 3724 7422 HLT /CIA FAILED AG SHOULD EQUAL 88888 //GROUP 1 OPERATE TEST 88 CLA CLL 3726 7388 3727 7421 C1A 3738 1861 TAD K77788 /AC EQUALS 8188 3731 7489 CHA 3732 7428 SNL 3733 7448 SNL 3733 7448 SPA 3734 7482 HLT /CIA FAILED AG SHOULD EQUAL 88889 //GROUP 1 OPERATE TEST 81 3737 7481 CIA /AC EQUALS 8288 3738 1862 TAD K7577 3741 7848 SNL 3741 7848 SNL 3743 7448 SPA 3744 7482 HLT /CIA FAILED AG SHOULD EQUAL 88889 //GROUP 1 OPERATE TEST 82 CLA CLL 3745 7388 SNL 3747 7482 HLT /CIA FAILED AG SHOULD EQUAL 88889 //GROUP 1 OPERATE TEST 82 CLA CLL 3747 7482 SNL 3747 7482 HLT /CIA FAILED AG SHOULD EQUAL 88889 //GROUP 1 OPERATE TEST 82 CLA CLL 3757 7588 SNL 3757 7641 C1A /AC EQUALS 8488 3758 1863 TAD K7377 3759 1863 TAD K7377 3759 7489 SRL 3757 7482 SNL 3757 7482 HLT /CIA FAILED AG SHOULD EQUAL 88889 //GROUP 1 OPERATE TEST 83 CLA CLL 3757 7588 SNL 3757 7641 C1A /AC EQUALS 8488 //GROUP 1 OPERATE TEST 83 CLA CLL 718 FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 83 CLA CLL 718 FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 83 CLA CLL 718 FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 83 CLA CLL 718 FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 83 CLA CLL 718 FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 84 //CIA FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 84 //CIA FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 84 //CIA FAILED AG SHOULD EQUAL 8888 //GROUP 1 OPERATE TEST 84 //CIA FAILED AG SHOULD EQUAL 8888									/AL EU	UALS BUTB		
3724 7482 SZA 3724 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3726 1113 TAD K7788 /TEST PATTERN 3726 1113 TAD K7788 /AC EQUALS 8188 3727 7841 CIA /AC EQUALS 8188 3731 7848 SRA 3732 7428 SNL 3733 7448 SZA 3734 7482 HLT /CIA FAILED A SHOULD EQUAL 8888 /GRQUP 1 OPERATE TEST 88 CLA CLL 3736 1875 TAD K7568 /AC EQUALS 8288 3737 7881 CIA CLA CL 3740 1862 TAD K7577 3741 7848 CHA 3742 7428 SNL 3743 7448 SRA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 /GRQUP 1 OPERATE TEST 81 3745 7388 CLA CLL 3746 1862 TAD K7577 3741 7848 CHA 3742 7428 SNL 3743 7448 SRA 3744 7482 /LINK SHOULD EQUAL 2ERO /GRQUP 1 OPERATE TEST 82 3745 7388 CLA CLL 3746 1874 /AC EQUALS 8288 /GRQUP 1 OPERATE TEST 82 3746 1874 /AC EQUALS 8488 7787 7488 /AC EQUALS 8488 7787 7489 /AC EQUALS 8488 7787 7489 SRA 3759 7480 SRA 3750												
Act												
/CROUP 1 OPERATE TEST 80 3725 7386								.57. 5		6110111 0 E01111	aaaa	
3725 7388 CLA CLL 3726 1133 TAD K7788 /TEST PATTERN 3727 7841 CIA /AC EQUALS 8198 3738 1861 TAD K7677 3731 7948 CNA 3732 7428 SNL 3733 7448 S24 /CIA FAILED A SHOULD EQUAL 8888 3736 1875 TAD K7577 3741 7948 CNA 3742 7428 SNL 3741 7948 SNL 3742 7428 SNL 3742 7428 SNL 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3744 7482 TAD K7577 3741 FAILED AC SHOULD EQUAL ERRO /GROUP 1 OPERATE TEST 82 /CIA FAILED AC SHOULD EQUAL 8888 /LINK SHOULD EQUAL ERRO /AC EQUALS 8286 /LINK SHOULD EQUAL ERRO /AC EQUALS 8488 /LINK SHOULD EQUAL ERRO /AC EQUALS 8488 /AC EQUALS		3724	7402			HLT					8666	
3725 7388 CLA CLL 3726 1133 TAD K7788 /TEST PATTERN 3727 7841 CIA /AC EQUALS 8198 3738 1861 TAD K7677 3731 7948 CNA 3732 7428 SNL 3733 7448 S24 /CIA FAILED A SHOULD EQUAL 8888 3736 1875 TAD K7577 3741 7948 CNA 3742 7428 SNL 3741 7948 SNL 3742 7428 SNL 3742 7428 SNL 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3744 7482 TAD K7577 3741 FAILED AC SHOULD EQUAL ERRO /GROUP 1 OPERATE TEST 82 /CIA FAILED AC SHOULD EQUAL 8888 /LINK SHOULD EQUAL ERRO /AC EQUALS 8286 /LINK SHOULD EQUAL ERRO /AC EQUALS 8488 /LINK SHOULD EQUAL ERRO /AC EQUALS 8488 /AC EQUALS				/ G	ROUP	1 OPFRATE 1	rest	80				
3726 1113 TAO K7788		3725	7300	, 0								
3727 7841 CIA									/TEST	PATTERN		
3730 1861 TAD K7677 3731 7948 CHA 3732 7428 SNL 3733 7449 S24 /CIA FAILED A SHOULD EQUAL 8080 /GROUP 1 OPERATE TEST 81 CLA CLL 3736 1865 TAD K7568 /AC EQUALS 8280 3737 7941 CIA /AC EQUALS 8280 3740 1862 TAD K7577 3741 7948 SAL 3744 7482 SNL 3744 7482 SLA 3744 7482 CHA 3744 7482 CLA CLL 3756 1864 TAD K7488 /AC EQUALS 8488 3757 7981 CIA /AC EQUALS 8488 3758 7308 CHA 3759 1803 TAD K7377 3751 7940 CHA 3752 7428 SNL 3753 7448 SEA 3754 7482 SLA 3755 7308 CHA 3756 1803 TAD K7377 3751 7940 CHA 3752 7428 SNL 3753 7448 SEA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3755 7308 CHA 3757 7941 CIA /AC EQUALS 8488 3758 1803 TAD K7377 3751 7948 SLA 3753 7448 SEA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 /GROUP 1 OPERATE TEST 83 CLA CLL 3755 7308 CLA CLL 3766 1807 TAD K7808 /TEST PATTERN 3757 7941 CIA /AC EQUALS 18086 /GROUP 1 OPERATE TEST 83 CLA CLL 3768 1804 TAD K7808 /TEST PATTERN 3769 1804 TAD K7808 /TEST PATTERN 3760 1804 TAD K7808 /TEST PATTERN 3761 7840 SNL 3762 7428 SNL 3763 7448 SEA 3764 7492 HLT /CIA FAILED AC SHOULD EQUAL 8808 /GROUP 1 OPERATE TEST 84 /CIA FAILED AC SHOULD EQUAL 2ERO /GROUP 1 OPERATE TEST 84 /CIA FAILED AC SHOULD EQUAL 2ERO								/AC EQU	JALS 010	0		
3731 7940 CMA 3732 7420 SNL 3733 7440 S24 3734 7482 HLT /CIA FAILED A SHOULD EQUAL \$8880 /GROUP 1 OPERATE TEST 81 CLA CLL 3736 1875 TAO K7500 /TEST PATTERN 3737 7941 CIA 3741 7940 SPA 3741 7940 SPA 3742 7428 SNL 3743 7440 SPA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL \$8880 /LINK SHOULD EQUAL \$2870 /GROUP 1 OPERATE TEST 82 3745 7380 CLA CLL 3746 1874 TAO K7377 3751 7841 CIA /AC EQUALS \$488 3755 7380 SPA 3752 7428 SNL 3753 7440 SPA 3754 7482 LIA /AC EQUALS \$488 3755 7380 CHA 3757 7481 CIA /AC EQUALS \$488 3758 1863 TAO K7377 3751 7848 CHA 3752 7428 SNL 3753 7440 SPA 3754 7482 LIA /CIA FAILED AC SHOULD EQUAL \$8880 /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1873 TAO K7880 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 83 7557 7380 CLA CLL 3760 1864 TAO K6777 3761 7840 CHA 3762 7420 SNL 3763 7440 SPA 3764 7482 SPA 3764 7480 SPA 3765 7380 SPA 3767 7480 SPA 3767 7480 SPA 3768 1864 TAO K6777 3761 7840 CHA 3763 7440 SPA 3764 7480 SPA 3765 7380 CHA 3767 7480 SPA 3767 7480 SPA 3768 1864 TAO K6777 3761 7840 SPA 3764 7480 SPA 3765 7380 CHA 3767 7480 SPA 3767 7480 SPA 3768 1864 TAO K6777 3761 7840 SPA 3765 7380 CLA CLL 7555 PATTERN 7555 PATTERN 7557 7380 SPA 7560 PATTERN 7567 7380 CLA CLL 7567 PATTERN 7578			_									
3732 7428 SNL 3733 7448 SZA 3734 7482 HLT /CIA FAILED A SHOULD EQUAL \$888 3736 1875 7308 CLA CLL 3736 1875 7408 /AC EQUALS \$288 3737 7841 CIA /AC EQUALS \$288 3741 7848 CMA 3742 7428 SNL 3743 7448 SZA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL \$888 3745 7388 CLA CLL 3746 1874 TAD K7377 3741 CIA /AC EQUALS \$488 3747 7841 CIA /AC EQUALS \$8488 3746 1874 TAD K7377 3791 1063 TAD K7377 3791 1063 TAD K7377 3791 7048 CMA 3792 7428 SNL 3793 7448 SZA 3794 7482 HLT /CIA FAILED AC SHOULD EQUAL \$8988 3755 7388 CLA CLL 3759 1863 TAD K7377 3751 7046 CMA 3752 7428 SNL 3753 7448 SZA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL \$8988												
3733 7440 S2A 3734 7492 HLT /CIA FAILED A SHOULD EQUAL 28898 /GROUP 1 OPERATE TEST 81 CLA CLL 3736 1875 TAO K7688 /TEST PATTERN 3737 7941 CIA 3740 1862 TAD K7577 3741 7948 SNL 3742 7428 SNL 3744 7492 SNL 3744 7492 LLA CLL 3746 1874 CLA CLL 3746 1874 CLA CLL 3747 7991 CLA CLL 3749 1803 TAD K7488 /TEST PATTERN 3749 1803 TAD K7488 /TEST PATTERN 3759 1803 TAD K7488 /TEST PATTERN 3751 7848 CNA 3752 7428 SNL 3753 7448 SSZ 3755 7388 CNA 3754 7482 LLA CLL 3757 7941 CLA CLL 3758 1803 TAD K7377 3751 7848 CNA 3752 7428 SNL 3753 7448 SSZ 3755 7388 CHA 3754 7482 LLA CLL 3756 1873 TAD K7888 /LINK SHOULD EQUAL 28888 /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1873 TAD K7888 /LINK SHOULD EQUAL 2ERO /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1804 TAD K7888 /LINK SHOULD EQUAL 2ERO /GROUP 1 OPERATE TEST 83 3754 7482 SNL 3755 7388 CNA 3764 7482 SNL 3763 7440 SZA 3764 7482 SNL 3763 7440 SZA 3764 7482 SNL 3763 7440 SZA 3764 7482 NL 3767 7888 CNA 3768 186777 RATTERN 3768 18677 RATTERN 37												
CIA FAILED A SHOULD EQUAL PROPERTY CIA FAILED A SHOULD EQUAL PROPERTY CIA CLL CLL CLL CLL CLL CLL CLL CLL CLL CL												
/GROUP 1 OPERATE TEST 81 3735 7388								/CIA F/	AILED A	SHOULD EQUAL Ø	000	
3735 7388 CLA CLL 3736 1875 TAD K7688 /TEST PATTERN 3737 7841 CIA /AC EQUALS 8288 3737 7841 1862 TAD K7577 3741 7848 CMA 3742 7428 SNL 3743 7448 SZA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3744 7482 CLA CLL 3745 7388 CLA CLL 3747 7888 TAD K7488 /TEST PATTERN 3747 7841 CIA /AC EQUALS 8488 3746 1874 TAD K7488 /AC EQUALS 8488 3759 7848 SZA 3751 7848 SZA 3752 7428 SNL 3753 7448 SZA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3754 7482 STA 3757 7841 CIA /AC EQUALS 8488 3757 7388 CHA 3757 7488 SZA 3757 7841 CIA /CIA FAILED AC SHOULD EQUAL 8888 3758 7587 7841 CIA /AC EQUALS 1888 3757 7841 CIA /AC EQUALS 1888 3758 7589 SZA 3757 7841 SZA 3757 7841 SZA 3757 7842 CIA /AC EQUALS 1888 3757 7848 SZA 3757 7848 CMA 3757 7848 CMA 3757 7848 CMA 3757 7848 CMA 3757 7848 SZA 3757 7448 SZA 3757 7448 SZA 3757 7448 SZA 3757 7448 SZA 3757 7449 SZA 3757 7588	***	5 , 5 .	• . •					/LINK S	SHOULD E	QUAL ZERO		
3735 7388 CLA CLL 3736 1875 TAD K7688 /TEST PATTERN 3737 7841 CIA /AC EQUALS 8288 3737 7841 1862 TAD K7577 3741 7848 CMA 3742 7428 SNL 3743 7448 SZA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3744 7482 CLA CLL 3745 7388 CLA CLL 3747 7888 TAD K7488 /TEST PATTERN 3747 7841 CIA /AC EQUALS 8488 3746 1874 TAD K7488 /AC EQUALS 8488 3759 7848 SZA 3751 7848 SZA 3752 7428 SNL 3753 7448 SZA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 3754 7482 STA 3757 7841 CIA /AC EQUALS 8488 3757 7388 CHA 3757 7488 SZA 3757 7841 CIA /CIA FAILED AC SHOULD EQUAL 8888 3758 7587 7841 CIA /AC EQUALS 1888 3757 7841 CIA /AC EQUALS 1888 3758 7589 SZA 3757 7841 SZA 3757 7841 SZA 3757 7842 CIA /AC EQUALS 1888 3757 7848 SZA 3757 7848 CMA 3757 7848 CMA 3757 7848 CMA 3757 7848 CMA 3757 7848 SZA 3757 7448 SZA 3757 7448 SZA 3757 7448 SZA 3757 7448 SZA 3757 7449 SZA 3757 7588				/G	ROUP	1 OPERATE T	TEST	81				
1975		3735	7300		-							
3737 7041 CIA												
3740 1962 TAD K7577 3741 7949 CHA 3742 7420 SNL 3743 7440 SZA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 /GROUP 1 OPERATE TEST 82 CLA CLL 3746 1874 TAD K7488 /AC EQUALS 8488 3750 1863 TAD K7377 3751 7848 SZA 3752 7428 SNL 3753 7449 SZA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 /GROUP 1 OPERATE TEST 83 CLA CLL 3755 7388 CLA CLL 3756 1873 TAD K7888 /LINK SHOULD EQUAL 2ERO /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1873 CIA CLA CLL 3756 1873 CIA CLA CLL 3757 7841 CIA /AC EQUALS 1888 3757 7841 SZA 3757 7841 CIA /AC EQUALS 1888 3758 7848 SNL 3759 7488 SNL						CIA		AC EGU	IALS 020	0		
3741 7848 CMA 3742 7428 SNL 3743 7440 SZA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 /CIA FAILED AC SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 82 CLA CLL 3745 7388 CMA 3747 7841 C1A /AC EQUALS 8488 3758 1863 TAD K7488 SZA 3759 7848 SZA 3752 7428 SNL 3753 7448 SZA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8888 /CIA FAILED AC SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 83 CLA CLL LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 83 CLA CLL 3761 7848 CMA 3757 7841 CIA /AC EQUALS 1888 /CIA FAILED AC SHOULD EQUAL 8888 /CIA FAILED AC SHOULD EQUAL 2ERO												
3742 7420 SNL 3743 7440 S2A 3744 7482 HLT			7040			CMA						
3743 7440 SZA 3744 7482 HLT /CIA FAILED AC SHOULD EQUAL 8000 /GROUP 1 OPERATE TEST 82 3745 7388 CLA CLL 3746 1974 TAD K7400 /TEST PATTERN 3747 7841 CIA /AC EQUALS 8488 3750 1863 TAD K7377 3751 7840 SAA 3752 7420 SNL 3753 7449 SZA 3754 7482 HLT /CIA FAILED AC SHOULD EQUAL 8900 /GROUP 1 OPERATE TEST 83 3756 1073 TAD K7000 /TEST PATTERN 3757 7801 CIA /AC EQUALS 1080 3760 1064 TAD K7000 /TEST PATTERN 3761 7840 SAA 3762 7420 SNL 3763 7440 SAA 3764 7482 HLT /CIA FAILED AC SHOULD EQUAL 80000 /GROUP 1 OPERATE TEST 83 CLA CLL 3765 7300 CIA CLA CHA COMPANY COMPAN						SNL						
A						SZA						
3745 7308 CLA CLL 3746 1074 TAD K7400 /TEST PATTERN 3747 7041 CIA /AC EQUALS 0400 3750 1063 TAD K7377 3751 7040 CMA 3752 7420 SNL 3753 7440 SZA 3754 7402 HLT /CIA FAILED AC SHOULD EQUAL 08000 /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3756 1064 TAD K7000 /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 08000 /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL /CIA FAILED AC SHOULD EQUAL 08000 /LINK SHOULD EQUAL ZERO			7402			HLT					0000	
3745 7308 CLA CLL 3746 1074 TAD K7400 /TEST PATTERN 3747 7041 CIA /AC EQUALS 0400 3750 1063 TAD K7377 3751 7040 CMA 3752 7420 SNL 3753 7440 SZA 3754 7402 HLT /CIA FAILED AC SHOULD EQUAL 08000 /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3756 1064 TAD K7000 /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL /LINK SHOULD EQUAL ZERO				/G	ROUP	1 OPERATE T	TEST	82				
3746 1074 TAD K7400 /TEST PATTERN 3747 7041 C1A /AC EQUALS 8400 3750 1063 TAD K7377 3751 7040 CMA 3752 7420 SNL 3753 7440 S£A 3754 7402 HLT /CIA FAILED AC SHOULD EQUAL 8000 /GROUP 1 OPERATE TEST 83 CLA CLL 1AD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K7000 /AC EQUALS 1000 3761 7040 CMA 3762 7420 SNL 3763 7440 S£A 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 8000 /GROUP 1 OPERATE TEST 84 3765 7320 CLA CLL 1NK SHOULD EQUAL 2ERO		3745	7308			CLA CLL				_		
3747 7841 C1A		-				TAD K7400						
3750 1063 TAD K7377 3751 7040 CMA 3752 7420 SNL 3793 7440 SZA 3754 7402 HLT /CIA FAILED AC SHOULD EQUAL 8000 /GROUP 1 OPERATE TEST 83 3755 7300 CLA CLL 3756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 80000 /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL								AC EQ	JALS 848	2		
3751 7040 3752 7420 3753 7440 3754 7492 3754 7492 /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1073 3757 7041 CIA /AC EQUALS 1000 3760 1064 3761 7940 3762 7420 3762 7420 3763 7440 3763 7440 3764 7402 /GROUP 1 OPERATE TEST 84 3765 7300 /GROUP 1 OPERATE TEST 84 3765 7300 /GROUP 1 OPERATE TEST 84 3765 7300 /GROUP 1 OPERATE TEST 84			1063			TAD K7377						
3752 7420 SNL 3753 7440 SZA 3754 7402 HLT /CIA FAILED AC SHOULD EQUAL 8800 /LINK SHOULD EQUAL 2ERO /GROUP 1 OPERATE TEST 83 CLA CLL 3756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 8000 /LINK SHOULD EQUAL 2ERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL CLA			7040			CMA						
CIA FAILED AC SHOULD EQUAL BOOM			7420									
CIA FAILED AC SHOULD EQUAL PBDD		3753	7449			SŽA						
3755 7300 CLA CLL 3756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL		3754	74 9 2			HLT					0600	
3755 7300 CLA CLL 3756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL					Rous	1 APERATE 1	TEST	83				•
7756 1073 TAD K7000 /TEST PATTERN 3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL		7765	7300	, 6	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
3757 7041 CIA /AC EQUALS 1000 3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL						TAD K7000			/TEST	PATTERN		
3760 1064 TAD K6777 3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL								AC EDI				
3761 7040 CMA 3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL						TAD K6777						
3762 7420 SNL 3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL			-									
3763 7440 SZA 3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 0000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL												
3764 7402 HLT /CIA FAILED AC SHOULD EQUAL 8000 /LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL												
/LINK SHOULD EQUAL ZERO /GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL								/CIA F	AILED AC	SHOULD EQUAL	0000	
/GROUP 1 OPERATE TEST 84 3765 7300 CLA CLL		3/57	7 . 7 %									
3765 7300 CLA CLL				/6	ROUP	1 OPERATE T	TEST					
ATECT DATTEDN		3745	7300	, 0	· • • ·							
									/TEST	PATTERN		

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                                                              9-JUN-71
          3767 7041
                                                /AC EQUALS 2000
                                CIA
          3770 1065
                                TAD K5777
          3771 7040
                                CMA
          3772 7420
                                SNL
          3773 7440
                                SZA
          3774 7482
                                                /CIA FAILED AC SHOULD EQUAL 8000
                                HLT
                                                /LINK SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 85
          3775 7300
                                CLA CLL
          3776 1050
                                TAD K4000
                                                        /TEST PATTERN
          3777 7841
                                                /AC EQUALS 4000
                                CIA
          4000 1066
                                TAD K3777
          4001
              7040
                                CMA
          4882
               7420
                                SNL
          4003 7440
                                SZA
          4664 7402
                                                /CIA FALED AC SHOULD EQUUA 808
                                HLT
                                                /LINK SHOULD EQUALL ZERO
                        /GROUP 1 OPERATE TEST 86
               7300
          4005
                                CLA CLL
          4996 1020
                                                        ITEST PATTERN
                                TAD KØØØØ
          4007 7041
                                                /AC EQUALS $000, LINK EQUALS A ONE
                                CIA
          4010 7450
                                SNA
          4011 7420
                                SNL
          4012 7402
                                                /CIA FAILED AC SHOULD EQUAL 8000
                                HLT
                                                /LINK SHOULD EQUAL A ONE
                        /GROUP OPERATE TEST 87
          4013 7340
                                                /AC=7777.L=0
                                CLA CMA CLL
          4814 7311
                                CLA CLL IAC RAR /AC=Ø.L=1
          4815 7438
                                SEL
          4016 7448
                                SEA
                                                /ERROR; LINC NOT SET OR
          4817 7482
                                HLT
                                                /AC NOT Ø
                        /GROUP 1 OPERATE TEST 88
                                CLA CMA CLL CML /AC=7777,L=1
          4020
               7360
          4021
               7305
                                GLA CLL IAC RAL /AC=2,L=Ø
          4022 7430
                                SZL
          4023 7402
                                HLT
                                                /ERROR; LINC NOT Ø
                                CHA IAC
          4024 7041
                1022
                                TAD KOOO2
          4025
               7440
          4026
                                SEA
          4027 7402
                                HLT
                                                /ERROR AC NOT=2
                        /GROUP 1 OPERATE TEST 89
          4030
              7320
                                CLA CLL CML
                                                /AC=0,L=1
          4031 7313
                                CLA CLL IAC RTR /AC=4000,L=0
          4032 7430
                                SZL
              7402
                                                /ERROR; LINC NOT Ø
          4033
                                HLT
          4034 7500
                                SMA
          4035 7402
                                HLT
                                                /ERROR; AC NOT 4000
                        /GROUP 1 OPERATE TEST 90
          4036 7360
                                CLA CMA CLL CML
                                                        /AC=7777,L=1
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø V141 9-JUN-71
                                                                          16:26
                                                                                    PAGE 1-50
         4037 7307
                              CLA CLL IAC RTL /AC=4,LINC=0
         4040 7430
                              SZL
         4041 7402
                              HLT
                                              /ERROR; LINC NOT Ø
         4042 7041
                              CMA IAC
         4043 1024
                              TAD K0004
         4044 7440
                              SZA
         4045 7482
                              HLT
                                             /ERROR; AC NOT 4
                      /GROUP 1 OPERATE TEST 91
         4046 7300
                              CLA CLL
                                              /AC=0. L=0
         4047 7331
                              CLA CLL CML IAC RAR /AC=4000, L=1
         4050 7520
                              SMA SNL
         4051 7482
                                              /ERROR; AC NOT 4000 OR
                              HLT
                                              /LINC NOT 1
                      /GROUP 1 OPERATE TEST 92
         4052 7300
                              CLA CLL
                                        /AC=0,L=0
         4053 7345
                              CLA CMA CLL IAC RAL /AC=0001,L=0
         4054 7430
                              SZL
         4055 7402
                                              /LINC NOT=B
                              HLT
         4056 7041
                              CMA IAC
         4057 1021
                              TAD KØØØ1
         4060 7440
                              SZA
         4061 7402
                                            /AC NOT 6661
                              HLT
                      /GROUP 1 OPERATE TEST 93
         4062 7360
                              CLA CMA CLL CML
                                                /AC=7777,L=1
         4043 7373
                              CLA CMA CLL CML IAC RTR /AC=Ø,L=Ø
         4864 7448
                              SZA
         4065 7402
                                              /ERROR;
                              HLT
         4066 7430
                              SEL
         4067 7402
                              HLT
                                             /ERROR;
                      /GROUP 1 OPERATE TEST 94
         4070 7332
                              CLA CLL CML RTR
                                                    /L=0 AC=2000
         4071 7006
                              RTL
                                                     /L=1 AC=6000
         4072 7430
                              SEL
         4073 7440
                              SZA
         4074 7402
                              HLT
                                                     /CLA CLL CML RTR OR RTL FAILED
                      /GROUP 1 OPERATE TEST 95
         4075 7360
                              CLA CMA CLL CML
         4076 7342
                              CLA CLL CMA BSW/AC=7777 LINK=Ø
         4077 7040
                              CMA
         4100 7420
                              SNL
         4101 7440
                              SZA
         4102 7402
                                             17742 FAILED
                              HLT
                      /GROUP 1 OPERATE TEST 96
        4103 7360
                              CLA CMA CLL CML
         4104 7303
                              CLA CLL IAC BSW /AC=0100 LINK=0
         4105 1061
                              TAD
                                      K7677
                                             /AC=7777
         4106 7040
                                              /AC=0000
                              CMA
```

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                                                                                 16:26
                                                                                        PAGE 1-51
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10
                                                        V141
          4107 7420
                                SNL
          4110 7440
                                SZA
                                                17703 FAILED
          4111 7482
                                HLT
                        /GROUP 1 OPERATE TEST 97
          4112 7360
                                CLA CMA CLL CML
          4113 7343
                                CLA CLL CMA IAC BSW
                                                        /AC=0000 LINK=1
          4114 7430
                                SZL
          4115 7440
                                SZA
                                                17743 FAILED
          4116 7402
                                HLT
                        /GROUP 1 OPERATE TEST 98
          4117 7360
                                CLA CMA CLL CML
                                CLA CLL CMA CML IAC BSW /AC=0000 LINK=0
          4120 7363
          4121 7420
                                SNL
          4122 7440
                                SZA
                                                17763 FAILED
          4123 7482
                                HLT
                        /GROUP 1 OPERATE TEST 99
          4124 7300
                                CLA CLL
                                        K1234
          4125 1043
                                TAD
          4126 7863
                                                        /AC=4465 L=1
                                CMA CML IAC BSW
          4127 1847
                                        K3312
                                TAD
          4138 7848
                                CMA
          4131 7438
                                SEL
          4132 7440
                                SZA
                                                /7063 FAILED
          4133 7402
                                HLT
                        /GROUP 1 OPERATE TEST 100
                                CLA CLL CML RTR
                                                        /AC=2000 L=1
          4134 7332
          4135 7063
                                CMA CML IAC BSW
                                                        /AC=0060 L=1
          4136 1051
                                        K7717
                                                        /AC=7777 L=1
                                TAD
          4137 7848
                                CMA
          4140 7430
                                SZL
          4141 7448
                                SEA
          4142 7482
                                                        17063 FAILED
                                HLT
                        /GROUP 2 OPERATE TEST 1
                                                /AC=7777
          4143 7240
                                CLA CMA
          4144 7788
                                CLA SMA
                                                /TEST COMBINATION
                                                /CLA SMA DID NOT SKIP
               7482
          4145
                                HLT
                                                /AC SHOULD BE 0000
          4146 7440
                                SZA
                                                /CLA SMA DID NOT CLEAR AC
          4147 7402
                                HLT
                                                /AC SHOULD BE 0000
                        /GROUP 2 OPERATE TEST 2
                                                /AC=7777
          4150 7240
                                CLA CMA
                                CLA SZA
                                                ITEST COMBINATION
          4151 7640
          4152 7440
                                SZA
                                                /CLA SZA SKIPPED OR AC NOT
          4153 7402
                                HLT
                                                /CLEARED TO 0000
                        /GROUP 2 OPERATE TEST 3
                                                /AC=7777
          4154 7240
                                CLA CMA
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/PDP-8/E INSTRUCTION	TEST 1 MAINDEC-8E-DØA8	PAL10 V141 9-JUN-71 16:26 PAGE 1-52
4155 7540	SMA SZA	/TEST COMBINATION
4156 7482	HLT	/SMA SZA SHOULD HAVE SKIPPED
	ACCOUNT O ARCHITE TECT	/AC SHOULD EQUAL 7777
4157 7280	/GROUP 2 OPERATE TEST	7 /AC=0000
4157 7260 4160 7540	CLA Sma sza	/TEST COMBINATION
4161 7402	HLT	/SMA SZA SHOULD HAVE SKIPPED
		/AC SHOULD EQUAL 0000
	GROUP 2 OPERATE TEST	5
4162 7200 4163 1066	CLA TAD K3777	/AC=3777
4163 1066 4164 7540	SMA SZA	/TEST COMBINATION
4165 7450	SNA	
4166 7482		/SMA SZA SHOULD NOT HAVE SKPPED
		/AC SHOULD EQUAL 3777
	GROUP 2 OPERATE TEST	6
4167 7240	CLA CMA	/AC=7777 /TEST COMBINATION
4170 7740 4171 7402	CLA SMA SZA HLT	/CLA SMA SZA SHOULD HAVE SKIPPED
4171 7402		/AC SHOULD BE 0000
4172 7440	SZA	
4173 7482	HLT	AC SHOW D DE AGE
	/GROUP 2 OPERATE TEST	/AC SHOULD BE 0000
4174 7288		/AC=0000
4175 7740	CLA SMA SZA	/TEST COMBINATION
4176 7482	HLT	/CLA SHA SZA SHOULD HAVE SKIPPED
**== ####	SZA	AC SHOULD BE 0000
4177 744 0 4200 740 2	HLT	/AC WAS NOT CLEARED
4200 / 102		/AC SHOULD BE BOBB
	/GROUP 2 OPERATE TEST	
4201 7200	CLA TAD K3777	/AC=3777
4202 1066 4203 7740	CLA SMA SZA	/TEST COMBINATION
4284 7448	SZA	
4205 7402	HLT	/SMA SZA DID NOT SKIP OR AC
	ACRONO O ARCRATE TEST	/NOT CLEARED TO 8888
4206 7300	/GROUP 2 OPERATE TEST CLL CLA	\rlink=0
4206 7 300 4207 1 070	TAD K5252	/AC=5252
4210 7620	CLA SNL	/TEST COMBINATION
4211 7440	SZA	SNL SKIPPED OR AC NOT CLEARED
4212 7402	HLT	/AC AND LINK SHOULD EQUAL BERO
		AND FIRM CHOOSE EGONE TEN
4213 7320	/GROUP 2 OPERATE TEST CLA CLL CML	10
4213 7320 4214 1071	TAD K2525	/AC=2525 LINK=1
4215 7620	CLA SNL	/TEST COMBINATION
4216 7482	HLT	/SNL DID NOT SKIP

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                 PAL10
                                                         V141
                                                                  9-JUN-71
                                                                                  16126
                                                 /LINK SHOULD EQUAL ONE
          4217 7440
                                 SZA
          4220 7482
                                 HLT
                                                 /CLA SNL DID NOT CLEAR AC
                                                 /AC SHOULD EQUAL ØØØØ
                        /GROUP 2 OPERATE TEST 11
          4221 7300
                                 CLA CLL
                                                 /AC=0000 LINK=0
          4222
               7520
                                 SMA SNL
                                                 /TEST COMBINATION
          4223 7440
                                 SZA
          4224 7482
                                 HLT
                                                 /SMA SNL SKIPPED. AC AND LINK
                                                 /SHOULD EQUAL ZERO
                        /GROUP 2 OPERATE TEST 12
          4225
                7520
                                CLA CLL CML
                                                 /AC=0000 LINK=1
          4226
               7520
                                SMA SNL
                                                 /TEST COMBINATION
          4227
               7482
                                                 /SNL SHOULD HAVE SKIPPED, LINK = 1
                                HLT
                        /GROUP 2 OPERATE TEST 13
               7300
          4230
                                CLA CLL
          4231
               1050
                                TAD K4000
                                                         /AC=4000 LINK=0
          4232
               7520
                                                 /TEST COMBINATION
                                SMA SNL
          4233 7482
                                HLT
                                                 /SMA SHOULD HAVE SKIPPED
                                                 /AC=4000
                        /GROUP 2 OPERATE TEST 14
         4234
              7320
                                CLA CLL CML
          4235
               1050
                                TAD K4000
                                                         /AC=4000 LINK=1
               752Ø
         4236
                                SMA SNL
                                                 /TEST COMBINATION
         4237 7402
                                HLT
                                                /SMA SNL SHOULD HAVE SKIPPED
                                                /AC=4860 LINK=1
                        /GROUP 2 OPERATE TEST 15
         4248
               7300
                                CLA CLL
                                                /AC=0800 LINK=0
         4241
               7720
                                CLA SMA SNL
                                                /TEST COMBINATION
         4242
               7448
                                SZA
         4243
              7482
                                HL T
                                                /SMA SNL SKIPPED. AC AND LINK
                                                /SHOULD BE ZERO
                       /GROUP 2 OPERATE TEST 16
         4244 7320
                                CLA CLL CML
                                                /AC=0000 LINK=1
         4245 7720
                                CLA SMA SNL
                                                /TEST COMBINATION
         4246 7402
                                HLT
                                                ISNL SHOULD HAVE SKIPPED
                                                /LINK=1
         4247 7440
                                SZA
         4250 7402
                                HLT
                                                /CLA SMA SNL DID NOT CLEAR AC
                                                /AC SHOULD EQUAL ZERO
                       /GROUP 2 OPERATE TEST 17
         4251 7300
                                CLA CLL
         4252 1050
                                TAD K4000
                                                        /AC=4000 LINK=0
         4253 7720
                                CLA SMA SNL
                                                /TEST COMBINATION
         4254
              7402
                                                /SMA SHOULD HAVE SKIPPED
                                HLT
                                                /AC SHOULD EQUAL 0000 LINK=0
         4255 7440
                               SZA
         4256 7402
                                                ACLA SMA SNL DID NOT CLEAR AC
                                                /AC SHOULD EQUAL ØØØØ
                       /GROUP 2 OPERATE TEST 18
         4257 7320
                               CLA CLL CML
         4260 1050
                               TAD K4000
                                                        /AC=4000 LINK=1
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                                                         V141
                                                                 9-JUN-71
                                                                                 16:26
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                 PAL 10
                                                 ITEST COMBINATION
          4261 7720
                                CLA SMA SNL
                                                 /CLA SMA SNL SHOULD HAVE SKIPPED
          4262 7402
                                HLT
                                                 /AC SHOULD BE 0000
                                                                      LINK=1
          4263 7440
                                SZA
          4264 7482
                                                 /CLA SMA SNL DID NOT CLEAR AC
                                HLT
                                                 /AC SHOULD BE 0000 LINK=1
                        /GROUP 2 OPERATE TEST 19
          4265 7300
                                                 /AC=0000 LINK=0
                                CLA CLL
                                                 /TEST COMBINATION
                                SZA SNL
          4266 7460
          4267 7482
                                                 /SZA SNL DID NOT SKIP
                                HLT
                                                 /AC=0000
                        VGROUP 2 OPERATE TEST 20
                                                 /AC=0000 LINK=1
          4270 7520
                                CLL CLA CML
               7460
                                                 /TEST COMBINATION
          4271
                                SZA SNL
          4272 7482
                                HLT
                                                 ISZA SNL DID NOT SKIP
                                                 /AC=0000 LINK=1
                        /GROUP 2 OPERATE TEST 21
          4273 7300
                                CLA CLL
                                                         /AC=0400 LINK=0
          4274
                1040
                                TAD KØ400
                                                 /TEST COMBINATION
          4275 7460
                                SZA SNL
          4276 7450
                                SNA
                                                 /SZA SNL SKIPPED
          4277 7402
                                HLT
                                                 /AC=0400 LINK=0
                        /GROUP 2 OPERATE TEST 22
          4300 7320
                                 CLA CLL CML
                                                         /AC=0040 LINK=1
          4301
               1032
                                TAD KODAO
                                                 /TEST COMBINATION
               7468
                                SZA SNL
          4302
          4303 7402
                                                 /SZA SNL SHOULD HAVE SKIPPED
                                HLT
                                                 /LINK=1
                        /GROUP 2 OPERATE TEST 23
                                                 /AC=8888 LINK=8
                7300
                                 CLA CLL
          4384
                                                 ITEST COMBINATION
                7660
                                CLA SZA SNL
          4385
               7482
                                HLT
                                                 /CLA SEA SNL SHOULD HAVE SKIPPED
          4386
                                                 /AC AND LINK SHOULD EQUAL EERO
                                SZA
          4307
                7440
                                                 /CLA SZA SNL DID NOT CLEAR AC
          4318 7482
                                HLT
                                                 /AC SHOULD BE 0000
                        /GROUP 2 OPERATE TEST 24
          4311 7328
                                CLA CLL CML
                                                 /AC=0000 LINK=1
                                CLA SZA SNL
                                                 /TEST COMBINATION
          4312
                7668
                                                 /CLA SZA SNL SHOULD HAVE SKIPPED
          4313 7402
                                 HLT
                                                 /AC=0600 LINK=1
          4314 7440
                                 SZA
                                                 /CLA SZA SNL DID NOT CLEAR AC
          4315 7402
                                HLT
                                                 /AC SHOULD EQUAL 0000
                        /GROUP 2 OPERATE TEST 25
          4316 7320
                                CLA CLL CML
                                                         /AC=0200 LINK=1
          4317 1036
                                 TAD KØ2ØØ
               7660
                                 CLA SZA SNL
                                                         /TEST COMBINATION OR
          4320
                                                 /CLA SZA SNL SHOULD HAVE SKIPPED
          4321
               7482
                                 HLT
                                                 /LINK=1
          4322 7440
                                 SZA
                                                 /CLA SZA SNL DID NOT CLEAR AC
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HLT

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø V141
                                                               9-JUN-71
                                                                               16:26
                                               /AC SHOULD EQUAL DODO
                        /GROUP 2 OPERATE TEST 26
          4324 7300
                               CLA CLL
          4325 1045
                               TAD K2000
                                                       /AC=2000 LINK=0
          4326 7668
                               CLA SZA SNL
                                               /TEST COMBINATION
          4327 7440
                               SZA
          4338 7422
                               HLT
                                               /CLA SZA SNL FAILED. AC AND
                                               /LINK SHOULD EQUAL ZERO
                       /GROUP 2 OPERATE TEST 27
          4331 7300
                               CLA CLL
                                               /AC=0000 LINK=0
         4332 7560
                               SMA SZA SNL
                                               /TEST COMBINATION
         4333 7482
                                               /SMA SZA SNL SHOULD HAVE SKIPPED
                               HLT
                                               /AC=0000 LINK=0
                       /GROUP 2 OPERATE TEST 28
         4334 7320
                               CLA CLL CML
         4335 1066
                               TAD K3777
                                                      /AC=3777 LINK=1
         4336 7560
                               SMA SZA SNL
                                               /TEST COMBINATION
         4337 7402
                               HLT
                                               /SMA SZA SNL SHOULD HAVE SKIPPED
                                               /AC=3777 LINK=1
                       /GROUP 2 OPERATE TEST 29
         4340 7300
                               CLA CLL
         4341 1050
                               TAD K4000
                                                       /AC=4000 LINK=0
         4342 7560
                               SMA SZA SNL
                                               /TEST COMBINATION
         4343 7482
                                               /SMA SZA SNL SHOULD HAVE SKIPPED
                               HLT
                                               /AC=4000 LINK=0
                       /GROUP 2 OPERATE TEST 30
         4344 7300
                               CLA CLL
         4345 1066
                               TAD K3777
                                                       /AC=3777 LINK=Ø
         4346 7560
                               SMA SZA SNL
                                              /TEST COMBINATION
         4347 7450
                               SNA
         4350 7482
                               HLT
                                               /SMA SZA SNL SHOULD NOT HAVE
                                               /SKIPPED. AC=3777 LINK=Ø
                       /GROUP 2 OPERATE TEST 31
         4351 7300
                               CLA CLL
                                               /AC=0000 LINK=0
         4352 7769
                               CLA SMA SZA SNL /TEST COMBINATION
         4353 7402
                               HLT
                                              /CLA SMA SZA SNL SHOULD HAVE SKIPPED
                                               /AC SHOULD EQUAL BOOD
         4354 7440
                               SZA
         4355 7402
                               HLT
                                               /AC NOT ZERO AFTER CLA SMA SZA SNL
                                              /AC SHOULD BE DOOD LINK=0
                       /GROUP 2 OPERATE TEST 32
         4356 7320
                               CLA CLL CML
         4357 1066
                               TAD K3777
                                                      /AC=3777 LINK=1
         4360 7760
                               CLA SMA SZA SNL /TEST COMBINATION
         4361 7402
                                              /CLA SMA SZA SNL DID NOT SKIP
                               HLT
                                              /AC SHOULD BE 0000 LINK=1
         4362 7440
                              SZA
         4363 7402
```

/CLA SMA SZA SNL DID NOT CLEAR AC /AC SHOULD EQUAL 0000 LINK=1

HLT

4364 7300

/GROUP 2 OPERATE TEST 33

CLA CLL

```
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                                                                9-JUN-71
                                                                                16:26
                                                                                        PAGE 1-56
                                                        /AC=4000 LINK=0
                                TAD K4000
          4365 1050
                                CLA SMA SZA SNL /TEST COMBINATION
          4366 7760
                                                /CLA SMA SZA SNL SHOULD HAVE SKIPPED
          4367 7482
                                HLT
                                                /AC SHOULD BE 0000. LINK=0
          4370 7440
                                SZA
                                                /CLA SMA SZA SNL DID NOT CLEAR AC
          4371 7482
                                HLT
                                                /AC SHOULD EQUAL 0000
                        /GROUP 2 OPERATE TEST 34
          4372 7300
                                CLA CLL
                                                        JAC=3777 LINK=Ø
          4373 1066
                                TAD K3777
                                CLA SMA SZA SNL /TEST COMBINATION
          4374 7760
          4375 7440
                                SZA
                                                /CLA SMA SZA SNL FAILED, AC
          4376 7402
                                HLT
                                                /SHOULD BE ZERO, LINK=0
                        /GROUP 2 OPERATE TEST 35
                                                /AC=0000 LINK=0
               7300
         4377
                                CLA CLL
          4400 7410
                                SKP
                                                /TEST INSTRUCTION
                                                /SKIP FAILED
         4401 7402
                                HLT
                                                /AC AND LINK EQUAL ZERO
                        /GROUP 2 OPERATE TEST 36
               7320
                                                /AC=0000 LINK=1
          4402
                                CLA CLL CML
         4403 7410
                                                /TEST INSTRUCTION
                                SKP
                                                /SKIP FAILED
         4484 7482
                                HLT
                                                /AC=0000 LINK=1
                        /GROUP 2 OPERATE TEST 37
         4405 7320
                                CLA CLL CML
                                                        /AC=3777 LINK=1
          4486 1866
                                TAD K3777
                                SKP
                                                /TEST INSTRUCTION
         4407 7410
                                                /SKIP FAILED
          4418 7482
                                HLT
                                                /AC=3777 LINK=1
                        /GROUP 2 OPERATE TEST 38
         4411 7300
                                CLA CLL
                                                        /AC=3777 LINK=Ø
         4412 1866
                                TAD K3777
                                                /TEST INSTRUCTION
         4413 7410
                                SKP
         4414 7402
                                                /SKIP FAILED
                                HLT
                                                /AC=3777 LINK=Ø
                        /GROUP 2 OPERATE TEST 39
         4415 7200
                                CLA
                                TAD K3777
                                                        /AC=3777
         4416 1866
         4417 7718
                                CLA SPA
                                                /TEST COMBINATION
                                                /CLA SPA DID NOT SKIP. AC
         4420
              7402
                                HLT
                                                /SHOULD BE ZERO
         4421 7440
                                SZA
         4422 7402
                                                /CLA SPA DID NOT CLEAR AC
                                HLT
                                                /AC SHOULD EQUAL ZERO
                        /GROUP 2 OPERATE TEST 40
         4423 7200
                                CLA
                                TAD K4000
                                                        /AC=4000
         4424 1050
                                                /TEST COMBINATION
         4425 7710
                                CLA SPA
         4426 7440
                                SZA
         4427 7482
                                                /CLA SPA FAILED. AC SHOULD
                                HLT
                                                /EQUAL 0000
                        /GROUP 2 OPERATE TEST 41
```

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DEAB PALIE
                                                                                          PAGE 1-57
                                                      V141
                                                                 9-JUN-71
                                                                                 16:26
                                                 /AC=7777
          4430 7240
                                CLA CMA
          4431 7650
                                CLA SNA
                                                 /TEST COMBINATION
          4432 7402
                                                 /CLA SNA DID NOT SKIP
                                HLT
                                                 /AC SHOULD BE 0000
                        /GROUP 2 OPERATE TEST 42
          4433 7200
                                                 /AC=0000
                                CLA
               7650
                                CLA SNA
                                                 /TEST COMBINATION
          4434
          4435 7440
                                SZA
          4436 7402
                                                 /CLA SNA FAILED
                                HLT
                                                 /AC SHOULD EQUAL 0000
                        /GROUP 2 OPERATE TEST 43
          4437 7200
                                                 /AC=0000
                                CLA
          4440 7550
                                SPA SNA
                                                 ITEST COMBINATION (AND)
          4441 7448
                                SZA
          4442 7402
                                                 /SPA SNA SKIPPED
                                HLT
                                                 /AC=0000
                        /GROUP 2 OPERATE TEST 44
          4443
               7200
                                CLA
                1066
                                TAD K3777
                                                         /AC=3777
          4444
          4445 7550
                                                 /TEST COMBINATION (AND)
                                SPA SNA
                                                 /SPA SNA FAILED TO SKIP
          4446 7482
                                HLT
                                                 /AC=3777
                        /GROUP 2 OPERATE TEST 45
                7200
          4447
                                CLA
          4430
                1050
                                TAD K4000
                                                         /AC=4888
          4451 7550
                                                 /TEST COMBINATION (AND)
                                SPA SNA
          4452 7450
                                SNA
               7402
                                                 /SPA SNA SKIPPED.
          4453
                                HLT
                                                 /AC=4900
                        /GROUP 2 OPERATE TEST 46
          4454
                7200
                                                 /AC=0800
                                CLA
          4455
               7750
                                CLA SPA SNA
                                                 /TEST COMBINATION (AND)
          4456 7448
                                SZA
          4497
                7402
                                HLT
                                                 /CLA SPA SNA FAILED.
                                                 /AC SHOULD BE 0000
                        /GROUP 2 OPERATE TEST 47
               7200
          4460
                                CLA
          4461
                1066
                                TAD K3777
                                                         /AC=3777
          4462
                7750
                                CLA SPA SNA
                                                 /TEST COMBINATION (AND)
               7402
                                                 /CLA SPA SNA DID NOT SKIP
          4463
                                HLT
                                                 /AC SHOULD BE 0000
          4464 7440
                                SZA
          4465 7402
                                                 /CLA SPA SNA DID NOT CLEAR THE AC
                                HLT
                                                 /AC SHOULD EQUAL 0000
                        /GROUP 2 OPERATE TEST 48
          4466
               7200
                                CLA
                                TAD K4000
                                                         /AC=4888
          4467
                1050
                                                 /TEST COMBINATION (AND)
          4470 7750
                                CLA SPA SNA
          4471 7440
                                SZA
          4472 7402
                                                 /CLA SPA SNA FAILED
                                HLT
                                                 /AC SHOULD EQUAL ZERO
```

PAUSE

		/INSTRUCTION TEST - TAPE 4
		/GROUP 2 OPERATE TEST 49
4473		CLA CLL
4474	-	TAD K5252 /AC=5252 LINK=0
4475		CLA SZL /TEST COMBINATION
4476	7402	HLT /CLA SZL DID NOT SKIP
4	244-	/AC AND LINK SHOULD BE Ø
	7440	SZA
4500	7402	HLT /CLA SZL DID NOT CLEAR AC
		/AC SHOULD BE ZERO. LINK.
		ACRAND 2 ABOUTE TEST SA
4501	7360	/GROUP 2 OPERATE TEST 50 CLA CLL CML CMA /AC=7777 LINK=1
	7630	CLA SEL /TEST COMBINATION (AND)
	7440	SZA 71231 COMBINATION (AND)
_	7462	HLT /CLA SZL FAILED, AC SHOULD
		/BE 0000. LINK=1
		/GROUP 2 OPERATE TEST 51
4585	7300	CLA CLL
	1066	TAD K3777 /AC=3777 LINK=0
. —	7530	SPA SEL /TEST COMBINATION (AND)
4510	7402	HLT /SPA SZL DID NOT SKIP
		/AC=3777 LINK=6
4544	7100	/GROUP 2 OPERATE TEST 52
4511 4512	7320	CLA CLL CML
4513		TAD K3777 /AG=3777 LINK=1
	7450	SPA SEL /TEST COMBINATION (AND)
4515		SNA HLT /SPA SZL SKIPPED
	,	/AC=3777 LINK=1
		/GROUP 2 OPERATE TEST 53
4516	7300	CLA CLL
4517	1050	TAD K4000 /AC=4000 LINK-8
	7538	SPA SEL /TEST COMBINATION (AND)
	7500	SMA
4522	7402	HLT /SPA SEL SKIPPED
		/AC=4000 LINK=0
4507	7782	/GROUP 2 OPERATE TEST 54
4523 4524	7300	CLA CLL
4525	1066 7730	TAD K3777 /AC=3777 LINK=0
4526	7402	CLA SPA SEL /TEST COMBINATION (AND) HLT /CLA SPA SEL SHOULD HAVE SKIPPED
7720	, ,,,,	" ' TEN EN ON OFF THE WATER TO THE TENED
4527	7440	/AC SHOULD BE ØØØØ. LINK≢Ø
	7482	HLT /CLA SPA SEL DID NOT CLEAR THE AC
		AC SHOULD BE DOOD
		LAS SUCHED DE PROP
		/GROUP 2 OPERATE TEST 55
4531	7320	CLA CLL CML
4532	1066	TAD K3777 /AC=3777 LINK=1
4533	7730	CLA SPA SZL /TEST COMBINATION (AND)

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØA8 PALIØ V141 9-JUN-71 16:26 PAGE 1-59
         4534 7440
                              SZA
          4535 7482
                              HLT
                                             /CLA SPA SZL FAILED
                                             /AC SHOULD EQUAL 0000 LINK=1
                       /GROUP 2 OPERATE TEST 56
          4536 7300
                              CLA CLL
          4537 1050
                                                   /AC=4000 LINK=0
                              TAD K4000
                              CLA SPA SEL /TEST COMBINATION (AND)
          4540 7730
          4541 7440
                              SZA
                                             /CLA SPA SEL FAILED
          4542 7482
                              HLT
                                             /AC SHOULD EQUAL 8888 LINK=8
                       /GROUP 2 OPERATE TEST 57
          4543 7388
                              CLA CLL
                                                    /AC=4000 LINK=0
          4544 1050
                              TAD K4888
          4545 7478
                                             /TEST COMBINATION (AND)
                              SNA SZL
          4546 7482
                              HLT
                                             /SNA SZL DID NOT SKIP
                                             /AC = 4000 LINK=0
                       /GROUP 2 OPERATE TEST 58
         4547 7320
                              CLA CLL CHL
                                                    /AC=4000 LINK=1
                              TAD K4000
         4550 1050
                                             /TEST COMBINATION (AND)
         4551 7470
                              SNA SZL
         4552 7420
                              SNL
         4553 7402
                                             /SNA SZL SKIPPED
                              HLT
                                             /AC-4000 LINK=1
                      /GROUP 2 OPERATE TEST 59
         4554 7300
                                             /AC=0000 LINK=0
                              CLA CLL
         4555 7470
                              SNA SZL
                                             /TEST COMBINATION (AND)
         4556 7438
                              SZL
          4557 7492
                                             /SNA SZL SKIPPED
                              HLT
                                             /AC=0000 LINK=0
                       /GROUP 2 OPERATE TEST 60
          4560 7320
                              CLA CLL CML
                                                    /AC=4000 LINK=1
          4561 1959
                              TAB K4888
                                          /TEST COMBINATION (AND)
          4562 7678
                              CLA SNA SEL
          ARAZ 7448
                              931
```

4563	7448	32A	
4564	7402	HLT	/CLA SNA SÆL FAILED. AC SHOULD /BE 0000. LINK=1
		/GROUP 2 OPERATE TEST	61
4565	7300	CLA CLL	
4566	1050	TAD K4800	/AC=4000 LINK=0
4567	7670	CLA SNA SEL	/TEST COMBINATION (AND)
4570	7402	HLT	/CLA SNA SEL DID NOT SKIP
77/0	, 452	75	AC SHOULD BE 0000. LINK=0
4571	7440	82A	
4572	7402	HLT	/CLA SNA SEL DID NOT CLEAR AC
.,,,	, , , , ,	FT No. 1	/AC AND LINK SHOULD BE ZERO
		/GROUP 2 OPERATE TEST	62
4573	7390	CLA CLL	/AC=0000 LINK=0
4574	7670	CLA SNA SZL	/TEST COMBINATION (AND)
	7440	SZA	
	7482		/CLA SNA SEL FAILED. AC SHOULD
4576	/ 762	HLT.	/BE 0000, LINK=0
		/GROUP 2 OPERATE TEST	63
4577	7300	CLA CLL	

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                                                                                16:26
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10
                                                        V141
                                                                9-JUN-71
                                                        /AC-3777 LINK#Ø
                                TAD K3777
          4600 1066
                                                /TEST COMBINATION (AND)
          4601 7570
                                SPA SNA SZL
                                                /SPA SNA SZL DIO NOT SKIP
          4602 7422
                                HLT
                                                /AC=3777 LINK=0
                        /GROUP 2 OPERATE TEST 64
          4603 7320
                                CLA CLL CML
                                TAD K3777
                                                        /AC=3777 LINK=1
          4604 1066
                                                       /TEST COMBINATION (AND)
          4605 7570
                                SPA SNA SZL
          4606 7420
                                SNL
                                                /SPA SNA SZL SKIPPED
          4607 7402
                                HLT
                                                /AC=3777 LINK=1
                        /GROUP 2 OPERATE TEST 65
                                                /AC=0000 LINK=0
          4610 7300
                                CLA CLL
                                                /TEST COMBINATION (AND)
                                SPA SNA SZL
          4611 7570
          4612 7430
                                SZL
                                                /SPA SNA SZL SKIPPED
          4613 7482
                                HLT
                                                /AC=ØØØØ LINK=Ø
                        /GROUP 2 OPERATE TEST 66
          4614 7300
                                CLA CLL
                                                        /AC=4000 LINK=0
          4615 1050
                                TAD K4000
          4616 7570
                                SPA SNA SZL
                                                /TEST COMBINATION (AND)
          4617 7430
                                SEL
                                                /SPA SNA SZL SKIPPED
          4620 7482
                                HLT
                                                /AC=4000 LINK=0
                        /GROUP 2 OPERATE TEST 67
          4621 7300
                                CLA CLL
                                                        /AC=3777 LINK=0
          4622 1866
                                TAD K3777
                                CLA SPA SNA SZL /TEST COMBINATION (AND)
          4623 7770
                                                /CLA SPA SNA SZL DID NOT SKIP
          4624
               7402
                                HLT
                                                /AC AND LINK SHOULD BE ZERO
                                AS2.
         4625 7440
                                                /CLA SPA SNA SZL DID NOT CLEAR AC
          4626 7482
                                HLT
                                                /AC AND LINK SHOULD BE ZERO
                        /GROUP 2 OPERATE TEST 68
          4627 7320
                                CLA CLL CML
                                TAD K3777
                                                        /AC=3777 LINK=1
          4639 1966
                                CLA SPA SNA SEL /TEST COMBINATION (AND)
          4631 7770
          4632 7440
                                SZA
                                                /CLA SPA SNA SZL FAILED. AC SHOULD
          4633 7482
                                HLT
                                                /BE 0000. LINK SHOULD EQUAL ONE
                        /GROUP 2 OPERATE TEST 69
                                CLA CLL
          4634
               7300
                                                        /AC=4000 LINK=0
          4635 1050
                                TAD K4000
                                CLA SPA SNA SZL /TEST COMBINATION (AND)
         4636 7770
              7440
                                SZA
         4637
                                                /CLA SPA SNA SEL FAILED. AC SHOULD
                                HLT
          4640
              7482
                                                /BE 0000. LINK SHOULD EQUAL ZERO
                        JGROUP 2 OPERATE TEST 70
                                                /AC=0000 LINK=0
         4641 7300
                                CLA CLL
                                CLA SPA SNA SEL /TEST COMBINATION (AND)
         4642 7770
                                SZA
          4643 7440
                                                /CLA SPA SNA SZL FAILED. AC AND
                                HLT
```

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```
/LINK SHOULD BE ZERO.
               /GROUP 2 OPERATE TEST 71
 4645 7280
                       CLA
 4646 1070
                       TAD K5252
                                                /AC=5252
 4647 7684
                       CLA OSR
                                       /TEST COMBINATION
 4650 7940
                       CMA
 4651 7440.
                       SZA
 4652 7482
                       HLT
                                       /CLA OSR FAILED
                                       /AC SHOULD BE 0000
               /GROUP 2 OPERATE TEST 72
4653
     7200
                       CLA
4654
      1050
                       TAD K4000
                                               /AC=4000
4699 7504
                       SMA OSR
                                       /TEST COMBINATION
4656
      7402
                       HLT
                                       /SMA OSR FAILED TO SKIP
                                       /AC SHOULD BE 7777
4657
      7040
                       CMA
4660 7440
                       SZA
4661 7482
                       HLT
                                       /SMA OSR FAILED
                                       /AC SHOULD BE 0000
              /GROUP 2 OPERATE TEST 73
4662 7200
                       CLA
                                       /AC=0000
4663 7444
                       SZA OSR
                                       /TEST COMBINATION
4664 7402
                       HLT
                                       /SZA OSR FAILED TO SKIP
                                       /AC SHOULD BE 0000
4665 7040
                       CMA
4666 7440
                       SZA
4667 7402
                       HLT
                                       /SZA OSR FAILED.
                                       /AC SHOULD BE 0000
              /GROUP 2 OPERATE TEST 74
4670 7320
                      CLL CML CLA
                                       /LINK=1
4671 7424
                      SNL OSR
                                       /TEST COMBINATION
4672 7482
                       HLT
                                       /SNL OSR FAILED TO SKIP
                                       /AC SHOULD BE 7777
4673 7040
                      CMA
4674 7440
                      SZA
4675 7482
                      HLT
                                       /SNL OSR FAILED.
                                       /AC SHOULD BE 0000
              /GROUP 2 OPERATE TEST 75
4676 7388
                      CLA CLL
4677 1966
                      TAD K3777
                                               /AC=3777 LINK=Ø
4700 7764
                      CLA SMA SZA SNL OSR
                                               /TEST COMBINATION
4701 7450
                      SNA
4702 7402
                      HLT
                                      /CLA SMA SZA SNL OSR FAILED.
                                      /AC SHOULD BE 7777. LINK#0
4703 7040
                      CMA -
4704 7440
                      SZA
4705 7402
                                      /CLA SMA SZA SNL OSR FAILED
                      HLT
                                      /AC SHOULD EQUAL ZERO
              /GROUP 2 OPERATE TEST 76
4706 7200
                      CLA
                                      /AC=0000
4707 7414
                      SKP OSR
                                      /TEST COMBINATION
4710 7402
                      HLT
                                      /SKP OSR DID NOT SKIP
```

/AC SHOULD BE 7777

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10
                                                                9-JUN-71
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                                                                                16:26 PAGE 1-62
          4711 7848
                                CMA
          4712 7440
                                SZA
          4713 7482
                                HLT
                                                /SKP OSR FAILED
                                                /AC SHOUND EQUAL ZERO
                        /GROUP 2 OPERATE TEST 77
          4714 7280
                                CLA
                                                /AC=0000
          4715 7514
                                SPA OSR
                                                /TEST COMBINATION
         4716 7402
                                HLT
                                                /SPA OSR DID NOT SKIP
                                                /AC SHOULD EQUAL 7777
         4717 7040
                                CMA
         4728 7448
                                SZA
         4721 7482
                                HLT
                                                /SPA OSR FAILED.
                                                /AC SHOULD BE 0000
                       /GROUP 2 OPERATE TEST 78
         4722 7200
                               CLA
         4723 1040
                               TAD KØ4ØØ
                                                        /AC=Ø400
         4724 7454
                               SNA OSR
                                                /TEST COMBINATION
         4725 7402
                               HLT
                                               /SNA OSR DID NOT SKIP
                                                /AC SHOULD BE 7777
         4726 7040
                               CMA
         4727 7448
                               SZA
         4730 7482
                               HLT
                                               /SNA OSR FAILED
                                               /AC SHOULD BE ØØØØ
                       /GROUP 2 OPERATE TEST 79
         4731 7300
                               CLA CLL
                                               /LINK=0 AC=0000
         4732 7434
                               SEL OSR
                                               /TEST COMBINATION
         4733 7482
                               HLT
                                               /SZL OSR DID NOT SKIP
                                               /AC SHOULD BE 7777
         4734
              7040
                               CMA
         4735 7440
                               SZA
         4736 7402
                               HLT
                                               /SZL OSR FAILED
                                               /AC SHOULD BE 0000
                       /GROUP 2 OPERATE TEST 80
        4737 7300
                               CLA CLL
         4740 1066
                               TAD K3777
                                                       /AC=3777 LINK#Ø
        4741 7774
                               CLA SPA SNA SZL OSR
                                                       /TEST COMBINATION (AND)
        4742 7482
                                               /ABOVE MESS DID NOT SKIP
                               HLT
                                               /AC SHOULD BE 7777
        4743 7848
                               CMA
        4744 7440
                               SZA
        4745 7482
                                               /CLA SPA SNA SZL OSR FAILED
                               HLT
                                               /AC SHOULD BE DOOD
                      /MQ OPERATE TEST 1
        4746 7360
                              CLA CMA CLL CML
                                                       /AC=7777 LINK=1
        4747 7681
                              CLAE
                                                       /AC=0000 LINK=1
        4750 7430
                              SZL
        4751 7440
                              SZA
        4752 7402
                              HLT
                                                       17601 FAILED
                      /MQ OPERATE TEST 2
        4753 7360
                              CLA CLL CMA CML
                                                       /AC=7777 L=1
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/PDP-8/E	INSTRU	JCTION	TEST	1 MAIN	DEC-8E-DØA8	PAL10	V141	9-JUN-71	16:26	PAGE 1-63
	4754	7401		NO	9 c		/AC=777	7 1 -4 (110-)		
		7040		CM			/AC=///	7 L=1 (NOP)		
		7430		52						
		7440		SZ						
	4760	7402		HL			/7401 F	ATLED		
				•••			,, abt ,	AILEU		
			/M0	POPERATI	E TEST 3					
		7360		CL	A CMA CLL CML		/AC=777	7 L I NK=1		
	4762	7421		MQI	•		/AC=000	Ø LINK=1		
	4763	7430		SZI						
		7440		SZ						
	4/67	7482		HĽ,			MOL DI	D NOT CLEAR AC	!	
			/40	0050470	TEST 4					
	4746	7300	/ 170							
		7421		MOL	No CLL		140-000			
		7040		CMA				0. AC=0000		
		7501		MQA			/AC=7777			
		7040		CM/			/AC=0000	7, MQ=0000		
		7420		SNL			/ AC-BBB	0		
	4774	7440		SZA						
	4775	7482		HLT			/MQ DID	NOT EQUAL 000	4 OP MOA E	ATIER
•			41.4					Wer EaghE DDD	D ON HUM P	AILEU
	4776	7740	/MQ	OPERATE						
		7421			CMA CLL					
		7501		MQL			/MQ=7777	7, AC=0000		
	5001	7040		MQA			/AC=7777	7, MQ=7777		
		7420		CMA						
	5003	7440		SNL SZA						
	5004	7482		HLT			AND DID	NOT COULT TES		= -
		. —		ne i			NA DID	NOT EQUAL 777	OR MOAF	AILED
			/HQ	OPERATE	TEST 6					
	5005	7681		CLA			/CLEAR A	C.		
	5006	1070			K5252					
		7421		MQL			/MQ=5252	, AC=0000	•	
	5010 5011	1071 7581			K2525					
	5012	7040		AOM			/AC=7777	, MQ=5252		
	5013	7448		CMA						
	5814			SZA HLT			446 -15			
				m Gar			NWG DID	NOT EQUAL 5252	OR MQA FA	AILED
			/HQ	OPERATE	TEST 7					
	5015				CMA CLL CML					
	5016			MQL	_		/MG=7777	, AC=0000		
		7040		CMA			/AC=7777			
		7621		CAM			AC AND			
		7440		SZA				· · · · · · · · · · · · · · · · · · ·		
		7482		HĻŤ			/AC SHOUL	LD EQUAL 0000		
		7501		MQA			/AC=8999	. MQ=0000		
		7430		SZL						
		744Ø 7402		SZA						
	7020	, 756		HLT			/CAM DID	NOT CLEAR MQ		
							YOR LINK	WAS CLEARED		

	- (0.	/MG OPERATE TEST 8	401 5 1 5
	7621 7421	CLAE	/CLEAR AC /mg=0000 AC=0000
	7040	MQL CMA	AMA-RODA MC-REER
	7701	ACL	/AC=0000 MQ=0000
	7440	SZÁ	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	7482	HLT	/ACL FAILED
	7501	MQA	/AC=0000 MQ=0000
	7440	SZA	
5037	7482	HLT	/MG SHOULD EQUAL ØØØØ
F 0 + 0	W040	/MQ OPERATE TEST 9	
5040 5041	7240 7421	CLA CMA MQL	/MQ=7777 AC=0000
	7701	ACL	/AC=7777 MQ=7777
	7040	CMA	
	7440	SZA	
	7462	HLT	/ACL FAILED
	7521	MQA	/AC=7777, MQ= 7777
	7040	CMA	
	7440	SZA	
5051	7402	HLT	/MQ SHOULD EQUAL 7777
		AND ADPOLET TOOK 46	
F4-0	7404	/MQ OPERATE TEST 18	/CLEAR AC
5052	7601 1070	CLAE TAD K5252	JULEAN AL
5054		MOL	/MQ=5252 AC=0000
5055	1071	TAD K2525	ALIGNATE MO-DADO
	7701	ACL	/AC=5252 MQ=5252
5057		TAD K2525	
5060	7040	CMA	
	7440	SZA	
	7402	HLT	ACL FAILED
5063		MQA	/AC=5252 MQ=5252
5064	1071	TAD K2525	
5065 5066	7848	CMA SZA	
5067	7402	HLT	/MQ SHOULD EQUAL 5252
7007	,	n . '	Y THE OTHER PLANTS
		/MQ OPERATE TEST 11	
5070	7601	CLAE	/CLEAR AC
5071	1071	TAD K2525	
	7421	MQL	/MQ=2525 AC=0000
5Ø73	1070	TAD K5252	44.5
5074	7701	ACL KEGES	/AC=2525 MQ=2525
5075	1070	TAD K5252	
5076 5077	7040 7440	CMA SZA	
5100	7402	HLT	/ACL FAILED
5101	7501	MQA	/AC=2525 MQ=2525
5102	1070	TAD K5252	· · · · · · · · · · · · · · · · · · ·
5103	7040	CMA	
5104	7440	SZA	
5105	7482	HLT	/MQ SHOULD EQUAL 2525

		/MQ OPERATE TEST 12	
E 4 6 4	7621	CAM	/MQ=0000 AC=0000
5106		- • • •	/AC=7777
	7040	CMA	
5110	7521	SWP	/MQ=7777 AC=0000
5111	7440	SZĄ	ALE BUSINES MALLE MESE
	7482	HLT	/AC SHOULD EQUAL 0000
5113	7701	ACL	/AC=7777 MQ=7777
5114	7040	CMA	
5115	7440	SZA	
5116	7402	HĻT	/MQ SHOULD EQUAL 7777
		/MQ OPERATE TEST 13	
E:447	7621	CAM	/MQ=8000 AC=0000
5117 5120		= :	ALC-DOOR WO-DOOR
	7040	CMA	440-3777 1 <i>0-000</i> 0
5121	7421	MQL	/MQ=7777 AC=0000
	7521	SWP	/MQ=ØØØ AC=7777
	7040	CMA	
	7440	SZA	
5125	7482	HLT	
5126	7781	ACL	/AC=0000 MQ=0000
5127	7440	SZA	
	7402	HLT	/MQ SHOULD EQUAL DOOR
	_ 5 _	/MQ OPERATE TEST 14	
5131	7621	CAM	/MQ=0000 AC=0000
5132	1070	TAD K5252	
5133	7421	MOL	/MG=5252 AC=0000
	1071	TAD K2525	
	7521	SWP	/MQ=2525 AC=5252
	1071	TAD K2525	
	7840	CMA	
	7440	SZA	
	7482	HLT	/SWP FAILED
	7701		/AC=2525 MQ=2525
		ACL	/AC#2727 MW=2727
	1970	TAD K5252	
	7040	CMA	
	7440	SZA	
5146	7402	HLT	/SWP FAILED MQ SHOULD EQUAL 2525
		/MQ OPERATE TEST 15	
5147	7621	CAM	/MQ=0000 AC=0000
5150	1071	TAD K2525	
	7421		/MG=2525 AC=0000
5151		MQL TAB VEGES	
5152	1979	TAD K5252	/AC=5252 /MG=5252 AC=2525
5153	7521	SWP	/MW+7576 AU=6767
5154	1070	TAD K5252	
5155	7040	CMA	
5156	7440	SZA	B
5157	7402	HLT	/SWP FAILED
5160	77.01	ACL	/AC=5252 MQ=5252
5161	1071	TAD K2525	
5162	7040	CMA	
5163	7440	SZA	
			

/PDP-8/E INSTRU	JCTIQN	TEST 1 MAINDEC-8E-DØAB	PAL10 V141 9-JUN-71 16:26 PAGE 1-66
5164	7402	HLT	/SWP FAILED MQ SHOULD EQUAL 5252
		ZMQ OPERATE TEST 16	
5165	7621	CAM	/MQ=0000 AC=0000
5166	7040	CMA	/AC=7777
5167	7721	CLAE SWP	/AC=0000 MQ=0000
5170	7440	SZA	
5171	7402	HLT	/CLAE SWP FAILED AC SHOULD EQUAL 0000
5172	7701	ACL	/AC=0000 MQ=0000
5173		SZA	
5174	7402	HLT	/CLAE SWP FAILED MQ SHOULD EQUAL 0000
		/MQ OPERATE TEST 17	
5175	7621	CAM	/MQ=ØØ00 AC= Ø000
5176	7040	CMA	
5177	7421	MQL	/MG=7777 AC=0000
5200	7721	CLAE SWP	/AC=7777 MQ=0000
5201	7040	CMA	
5202	7440	SZA	A depth of the control of the contro
5203	7402	HLT	/CLAE SWP FAILED
5204	7701	ACL	/AC=0000 MQ=0000
5205	7440	SZA	COLLE CUM FATIET AM MUMU M FALLA GARA
5206	7402	HLT	/CLAE SWP FAILED MQ SHOULD EQUAL 0000
		/MQ OPERATE TEST 18	
5207	7621	CAM	/MQ=0000 AC=0000
5210	1071	TAD K2525	
5211	7421	MQL	/MG=2525 MQ=0000
5212	1070	TAD K5252	/AC=5252
5213	7721	CLAE SWP	/AC=2525 MQ=0000
5214	1070	TAD K5252	
5215 5216	7040 7440	CMA	
	7482	SZA HLT	/CLAE FAILED
5217 5220	7701	ACL	/AC=0000 MQ=0000
5221	7440	SZÁ	וויין קאשפיים און אייין אייין אייין איייין אייי
5222	7402	HLT	/CLAE FAILED MG SHOULD EQUAL 0000
		ALMO TECH A	
<u></u>	B000	/AND TEST 1	
5223	7200	CLA AND K7777	
5224	ØØ67 744Ø		
5225 5226	7402	SZA HLT	AND FAILED AC SHOULD
5220	/462		ABE 0000
		/AND TEST 2	
5227	7240	CLA CMA	
5230	0020	AND KOOOO	
5231	7440	SZA	AND FAILED
5232	7402	HLT	/AND FAILED /AC SHOULD EQUAL 0000
		/AND TEST 3	,
5233	7520	CLA CLL CML	•

/PDP-8/E	INSTRU	CTION	TEST	1	MAINDE	C-8E-DBAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-67
	5234	1867			TAD	K7777		/AC=777	77 LINK=1		
	5235	0067			AND	K7777					
	5236	7040			CMA						
	5237	7430			SZL						
	5240	7440			SZA						
	5241	7482			HLT				C SHOULD BE Duld Equal o n	IE	
			//	ND	TEST 4			•••••			
	5242	7300				CLL					
	5243	1071				K2525		/AC=257	25 LINK=0		
	5244	9979				K5252					
	5245	7420			SNL						
	5246	7448			ASS						
	5247	7422			HLT				C SHOULD BE OULD BE Ø		
			11	NO	TEST 5						
	5250	7300	, -	.,		CLL					
	5251	1070				K5252		/AC=52	52 LINK=Ø		
	5252	0071				K2525		• .			
	5253	7420			SNL	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
	5254	7440			SZA						
	5255	7402			HLT		ZAND F	AILED.	AC SHOULD BE		
	7237				7100				OULD BE Ø		
			//	AND	TEST 6						
	5256	7360			CLA	CLL					
	5257	1052			TÄD	K7776			76 LINK=Ø		
	5260	0070			AND	K5252			INSTRUCTION		
	5261	7041			CIA		/AC=25	26			
	5242	1070			TAD	K5252		/AC=00	00 LINK=1		
	5243	7438			SEL						
	5264	7448			SZA						
	5265	7492			HLT				AC SHOULD BE		
				. AID	7 F F T		/9999.	LINK SH	OULD BE ONE		
	5266	7300		טחו	TEST 7	CLL					
	5267	1071				K2525		/Aft=251	25 LINK=0		
	5270	0071				K2525			INSTRUCTION		
	5270 5271	7041			CIA	NEVEN	/AC=52		- 140 1 110 0 1 4 0 14		
		1071				K2525	7 40-72		00 LINK = 1		
	5272	7430				NEVEN		/ MU-DD	-n -141, +		
		7440			S₹L						
	22/4 5275	7482			SZA HLT	•	/AND F	ATI FO.	AC SHOULD BE		
	92/9	7486			nu!				OULD BE ONE.		
			10	CHE	CK FOR	BELL					
		728Ø			CLA						
	5277	1121				BLCNT					
		7001			IAC						
	5301	3121				BLCNT					
	5302	1121				BLCNT					
	5303	7640				CLA					
	5304	5147			JMP	START+3					
		1122				BLCON					

/PDP-8/E	INSTRUCTION		TEST	1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-68
	5306	3121			DCA BLONT					
			/R	ING	BELL					
	5307	1120			TAD BEL					
	5310	6046			TLS					
	5311	6041			TSF					
	5312	5311			JMP1					
	5313	6042			TCF					
	5314	5147			JMP START+3					

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0000	11111111	. 10203003	11111111	4444444				
0100			11100000	11111111	11111111	11111111		11111111
-			11100000	00000000	00001111	11111111	11111111	1111111
0200	11111111	11111111	11111111	11111111		4444444		
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0400		11111111	11111111	11111111	11111111	11111111	1441444	*****
0500	11111111		11111111	11111111	11111111	11111111	11111111	11111111
		:			+++++++	ITTITI	11111111	11111111
0600			11111111	11111111	11111111	11111111	11111111	4144444
0700	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111 11111111
	•							1111111
400-								
1000	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
1100	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
1200	4444444	444444				_		
1300	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
1000	11111111	11111111	11111111	1111111	11111111	11111111	11111111	1111111
1400	11111111	4114444	4444444					-
1500	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
	*1111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
1600	11111111	11111111	11111111	1111111	4444444			
1700	11111111	11111111		11111111	11111111	11111111	11111111	11111111
		+	********	11111111	11111111	11111111	11111111	11111111
		•		•				
2000	11111111	11111111	11111111	11111111	11111111	11111111	11111111	***
2100	11111111	11111111	11111111	11111111	11111111	11111111		11111111
		_			******	******	11111111	11111111
2200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
2300	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
2400								******
2500	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
2200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
2600	11111111	4444444						
2700	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
	TITITIT	1111111	11111111	11111111	11111111	11111111	11111111	11111111
3000	11111111	11111111	11111111	4444444	4444444			
3100	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
				*******	11111111	11111111	11111111	11111111
3200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	4444444
3300	11111111	1111111	11111111	11111111	11111111	11111111		11111111
7.40-		•				******	11111111	11111111
3400	11111111	1111111	11111111	11111111	11111111	11111111	11111111	1111111
3500	11111111	11111111	11111111	11111111	11111111	11111111	11111111	_
7400							******	1111111
3600	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111
3700	11111111	1111111		11111111	11111111	11111111	11111111	11111111
				•*				

/PDP-8/E INST	RUCTION TI	EST 1	MAINDEC-	8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-71
ACL	7701		K600	0041					
BEGIN	0200		K6000	0072					
BEL	0120		K6777	0064					
BLCNT	0121		K7000	0073					
BLCON	Ø122		K7007	Ø117					
BSW	7002		K7177	0060					
CAM	7621		K7377	0063					
CLAE	7601		K7400	0074					
CLL1	0446		K7577	0062					
CLL11	0452		K7600	0075					
CMLT1	0456		K7677	0061					
HALT	0006		K7700	0113					
K0000	0020		K7717	0051					
K0001	0021		K7737	0 05 7					
K0002	0022		K774Ø	Ø Ø 76					
K0004	0024		K7757	Ø Ø5 6					
K0007	0102		K776Ø	0077					
K0010	0026		K7767	0055					
KØØ17	0104		K777Ø	0100					
K0020	0030		K7773	0054					
KØØ37	0105		K7.774	0101					
KØØ4Ø	0032		K7775	0053					
KØØ67	0103		K7776	0052					
K0077	0106		K7777	0067					
KØ1ØØ KØ177	0034 0107		MQA	7581					
K0500	9936		MQL	7421					
KØ377	0110		NOOP	0007					
KØ4ØØ	0040		NOPE Start	7401					
K8778	0116		SWP	Ø144					
K0777	0111		SHF	7521					
K1888	0042								
K1234	0943								
K14	0027								
K140	0035								
K1400	8844								
K1777	0112								
K2000	0045								
K2525	0071								
K2552	0115								
K3	0023								
K38	0031								
K380	0037								
K3000	0046								
K3312	0047								
K3777	0066								
K 4 0 0 0	0050								
K5225 K5252	0114 0070								
K7252 K 5 777	0065								
K5///	0025								
K6Ø	0033								
. 1,00	2200								

ERRORS DETECTED: 0

LINKS GENERATED: 2

RUN-TIME: 30 SECONDS

2K CORE USED