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 CIAGNOSTIC 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 SWITCH SETTINGS

SR=7777

4.2 STARTING ADDRESS

0200

4.3 OPERATOR ACTION

- 1. SET \$R 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

0053 7775

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
      7002
               BSW=7002
                                              /SWAP BYTES IN AC
      7481
              NOPE = 7401
                                              /NOP
      7601
              CLAE=7601
                                             /CLEAR AC
      7421
              MQL=7421
                                             /LOAD MQ FROM AC THEN CLEAR AC
      7501
              MQA=75Ø1
                                            /INCLUSIVE OR, MG 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
0000 0000
                      Ø
0001 5001
                      JMP 1
0002 0002
                      0002
0003 0003
                      0003
0004 8000
                      0
0005
      0000
                      0000
0006
      7482
              HALT,
                      HLT
      7000
0007
              NOOP.
                      NOP
0010
      0000
                      Ø
                      /CONSTANTS AND VARIABLES
              420
      9020
0020
      6000
              K0000, 0000
0021
      0001
              K0001, 0001
0022 0002
              KØØØ2,
                      0002
0023 0003
              K3.
                      3
0024 0004
              K0064,
                      8084
0025 0006
              K6.
0026 0010
              KØØ10,
                      0010
0027
     8914
              K14,
                      14
8030 8020
              KØØ2Ø,
                     0020
0031 0030
              K30,
                      30
0032 0040
              KØØ40,
                     0040
0033 0060
              K60,
                      60
9934 9199
              KØ100,
                     0100
0035 0140
              K148.
                      140
0036 0200
              KØ2ØØ, Ø2ØØ
0037 0300
              K300.
                      300
0040 0400
              KØ400, Ø400
0041 8600
              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
9959 4909
              K4000. 4000
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
                                                                               16:26
                                                                                       PAGE 1-1
          0054 7773
                        K7773, 7773
          0055 7767
                        K7767. 7767
          0056 7757
                        K7757, 7757
          0057
               7737
                        K7737, 7737
          0060 7177
                        K7177. 7177
          9961 7677
                        K7677, 7677
          ØØ62 7577
                        K7577, 7577
          0063 7377
                        K7377, 7377
          0064 6777
                       K6777. 6777
          0065 5777
                       K5777, 5777
          0066 3777
                       K3777, 3777
          8067 7777
                       K7777. 7777
          0070 5252
                       K5252,
                               5252
         0071 2525
                       K2525. 2525
         0072 4000
                       K6000. 6000
         0073 7000
                       K7000. 7000
         0074 7400
                       K7488. 7488
         ØØ75
              7600
                       K7688. 7688
         8076
              7740
                       K7748, 7748
         8877 7768
                       K7768, 7768
         0160
              7770
                       K7778. 7778
         Ø181 7774
                       K7774, 7774
         0102
               9007
                       KØØØ7,
                               9997
         0103 0067
                       K8867, 8867
         8184 8817
                       K8017, 8817
         0185 8037
                       KØØ37,
                              8837
         Ø186
               8077
                       KØØ77, ØØ77
         0187 $177
                       KØ177, Ø177
         8118 8377
                       KØ377,
                              Ø377
         8111
              8777
                       KØ777,
                               0777
         8112 1777
                       K1777,
                              1777
              7788
         6113
                       K7788,
                              7788
         Ø114 3225
                       K5225,
                              5225
         9115 2552
                       K2552,
                              2552
         B116
               9779
                       K8770,
                              8778
         Ø117 7087
                       K7087,
                              7007
         0120
              #207
                       BEL,
                               8287
         0121 5140
                       BLCNT, -2645
         8122 5148
                       BL CON.
                              -2648
               0144
                      *144
                      /TAD, CLA, HLT, TEST
        0144 1067
                      START, TAD K7777
        0145 7280
                              CLA
        8146 7482
                              HLT
                                              /AC SHOULD=Ø
                                              /SET SR TO 7777, CONTINUE
                      /SKIP TEST
        0147 7410
                              SKP
        0150
             7482
                                              /SKP FAILED
                              HLT
                      /SZA TEST 1
        0151 7200
                              CLA
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/PDP-8/E	INSTR	UCTION	TEST 1	MAIND	EC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-2
	0152	7440		SZA						
	Ø153	7402		HLT		12 A 5 D	ALLE HAVE	CVIDDED		
				,			OULD HAVE			
	0154	7450		SNA		/AC 3HU	NTD EGNYF	. ZERU		
		7410		SKP						
	Ø156			HLT		ACNA CU	0111 B NOT			
	220	,		m L				HAVE SKIPPED		
			1571	TEST 2		AC SHU	NTO ECNAF	. ≵ERO		
	0157	720Ø	/ J L A							
	0160	-		CLA						
	0161	7440			K4000					
	0162	7410		SZA						
	0163			SKP				_		
	DI 92	/ 702		HLT		/SZA SHO	DULD NOT	HAVE SKIPPED		
	71444	9450				ZAC SHOU	JLD EQUAL	4000		
	0164	7450		SNA						
	0165	7402		HLT		/SNA SHO	BULD HAVE	SKIPPED		
						/AC SHOU	ILD EQUAL	4ପପ୍ତ		
			4074							
	****	=000	/S#A	TEST 3						
	0166	7200		CLA						
	0167	1045		TAD	K2000					
	0170	7440		SZA						
	Ø171	7410		SKP						
	0172	7402		HLT		/SEA SHO	ULD NOT I	HAVE SKIPPED		
				-		/AC SHOU	LD EQUAL	2000		
	0173	745Ø		SNA		•				
	0174	7402		HLT		/SNA SHO	ULD HAVE	SKIPPED		
	0175	7000		NOP		ZAC SHOU	LD EQUAL	2000		
	Ø176	7000		NOP				2000		
	0177	7410		SKP		JSKIP OV	ER JMP ST	FADT		
						, , , , ,	C14 (0111 (01			
		9299	#200							
	0200	5144	BEGIN,	JMP	START	/BEGINNI	NG OF INC	TRUCTION TEST 1		
			/SZA T			,	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	INCOLION IEST I	•	
	0201	7200		CLA						
	0202	1042			K1000					
	Ø2 Ø 3	7440		SEA						
	0204	7410		SKP						
	0205	7402		HLT		7524 SHO	יי דחוג מיוו	AVE SKIPPED		
		-		7 1 Tap 1		VAC SHOU	LD EQUAL	INTE UNIFFEU		
1	0206	7450		SNA		770 37100	TO EGOVE	1000		
				HLT		/SNA SHO	II D HAVE	CVIDDED		
		_		17 6 1		ZAC SHOU	D EQUAL	1000		
			/SZA TI	ST 5		7 80 3000	TO EMONE	TRESS		
G	0210	7200	, ==== 11	CLA						
	211	1040			KØ4ØØ					
	212	7440		SZA						
	213	7410		SKP						
	1214	7402		HLT		1637 EHV	11 B NOT	AVE CUINCES		
•	· • •			□ L '		/JEA SHUL	TO NOT H	AVE SKIPPED		
σ	215	7450		SNA		/AC SHOUL	D EGUAL	טטרט		
		7402		HLT		ASNA SHO	ILD UAVE	CKIDOED		
	- 4 -			7 L		/SNA SHOU	D FOLLA	SKIPPED		
			/SZA TE	Y T2		/AC SHOUL	U FUUAL	000		
			/JEM IE	. J D						

/PDP-8/E	INSTR	UCTION	TEST 1	MAIND	EC-8E-DØAB	PAL10	V141	9-JUN-71	16126	PAGE 1-3
	9247	7200								,,,,,,
	0220			CLA	48000					
	0221				KØ2ØØ					
	0255			SZA						
	0223			SKP						
	0220	7762		HLT		/SZA SH	OULD NOT	HAVE SKIPPED		
	3004	7450				/AC SHO	ULD EQUA	L 0200		
	Ø224 Ø225			SNA		-				
	0223	/ 762		HLT		/SNA SH	OULD HAVE	E SKIPPED		
			407.			/AC SHO	ULD EQUA	L 0200		
	#204	9200	/S#A	TEST 7						
	Ø226			CLA						
	0227				KØ100					
	0230			SZA						
	Ø231			SKP						
	#232	7402		HLT		./SZA SH	OULD NOT	HAVE SKIPPED		
	8					/AC SHO	ULD EQUAL	0100		
	0233			SNA						
	Ø234	7482		HLT		/SNA SH	OULD HAVE	SKIPPED		
						/AC SHO	ULD EQUAL	9160		
			/574	TEST 8						
	8235	7290	, 5-4							
	Ø236	1032		CLA	VGGAG					
	#237	7440			K9949					
	8248	7410		SZA						
	0241	7482		SKP		4674 611				
	7.7.			HLT		/SEA SHO	DULD NOT	HAVE SKIPPED		
	Ø242	7450		SNA		AC SHOU	JLD EQUAL	. 9848		
		7402		HĻT		CNA CH				
				HÇ I		AND SHE	DULD HAVE	SKIPPED		
			/SZA 1	6 +27		AC SHUL	JLD EQUAL	9949		
	B 244	7200	73-8	CLA						
	Ø245	1838			KØØ2Ø					
	8246	7448		SEA	VDDCD					
	8247	7410		SKP						
	0250	7402		HLT		4634 6116				
				m⊈ !		/AC CUA	OLD NUT	HAVE SKIPPED		
	8251	7450		SNA		/AC SHUU	ILD EQUAL	9020		
		7402		HLT		/CNA CHA		6×180=5		
		•		~ ~ 1		ALC SHUM	ULD HAVE	SKIPPED		
			/SZA T	EST 10		AC SHOU	LD EQUAL	B 0 5 0		
	8253	7280	, J-A !							
	0254			CLA TAD H	(80 t a					
	0255			SEA	/nn T fi					
	0256			SKP						
	Ø257			HLT		1031 0110				
				MF.		AC SHO	ULD NOT I	HAVE SKIPPED		
						AC SHOU	LD EQUAL	0010		
	0260	7450		SNA						
	0261	7482		HLT		CNA CUE		04400-5		
	~			- m t _o 1		AC OHO	ULD HAVE	SKIPPED		
			/SZA T	FCT 44		/AC SHOU	LU EQUAL	0010		
1	0262	7200	, J-A 1	CLA						
	0263			TAD K	333A					
,		 -		IAU K	- UUU					

/PDP-8/E	INST	RUCTION	TEST	1 M/	AINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-4
	Ø264	7440			SZA					
	0265				SKP					
	Ø266				HLT	/S74 SU	OU D NOT	HAVE SKIPPED		
					rite.	/AC SHO	ULD EQUAL	MAAF SKILLED		
	0267				SNA	7 7 5 5 1 1 5	OFD EGOVE	. 2004		
	Ø27Ø	7402			HLT	/SNA SH /AC SHO	OULD HAVE ULD EQUAL	SKIPPED . 0004		
			/Si	EA TES	T 12					
	Ø271	7200			CLÁ					
	0272	1022			TAD KØØØ2					
	Ø273	7440			SZA					
	Ø274	7410			SKP					
	Ø275	7402			HLT	/SZA SHI	TOM DUILE	HAVE SKIPPED		
				·	•	/AC SHOT	JLD EQUAL	MANE SYTEMED		
	Ø 276	7450		:	SNA		FP FRANC	DD D L		
	8 277	7402			HLT	/SNA SH	DULD HAVE	SKIPPED		
			-		-	/AC SHOU	LD EQUAL	0002		
			407				-			
	6766	2000	/5£	A TEST						
	0360	7288			LA					
	Ø3Ø1	1021			TAD KØØØ1					
	#3#2	7440			BEA					
	0363	7410			SKP .					
	0304	7482		H	ILT	/SZA SHO	ULD NOT	HAVE SKIPPED		
	Ø3 Ø 5	7450		_		/AC SHOU	LD EQUAL	0001		
		7402			NA		_			
		1455		H	LT	/SNA SHO	ULD HAVE	SKIPPED		
			/50	A TEST		ZAC SHOU	LD EQUAL	0001		
	638 7	7288	/35							
	0310	1946			LA Ad K3777					
	8311	7510			PA					
	Ø312	7402				ACD A CHA				
				-	t e 1	/AC SHOU	ULD HAVE	SKIPPED 3777		
			/SP/	TEST	2					
	3313				LÄ					
	314	1050			AD K4000					
6	3315	7510			PA					
	316	7410			KP					
	317	7402			LT.	/SPA SHOP	JLD NOT H	AVE SKIPPED		
						/AC SHOUL	D EQUAL	4000		
			/SMA	TEST	1	- •				
	320	7200		CL						
		1066			ND K3777					
		7500		SM						
		7410		SK						
. 10	324	7402		HL	.T	/SMA SHOU /AC SHOUL	LD NOT H D EQUAL	AVE SKIPPED 3777		
			4							
	7.0 F	7200	/SMA	TEST						
Ø	325	1200		CL	. A					

/PDP-8/E	INSTR	UCTION	TEST	1 MAIND	EC-8E-DØAB	PAL10	V141	9-JUN-71	16426	PAGE 1-5
	Ø326	-		TAD	K4000					
	Ø327			SMA						
	0330	7402		HLT		/SMA SH	OULD HA	VE SKIPPED		
						/AC SHO	ULD EQU	AL 4000		
			/CM	A TEST 1						
	0331			CLA						
	0332			TAD	K7777					
	0333			CMA						
	0334			SZA						
	0335	7402		HLT		/CMA DI	D NOT C	OMPLEMENT AC		
						/AC SHO	ULD EQU	AL 0000		
			/CM/	A - TAD	TEST 1			•		
	0336	7200		CLA						
	0337			TAD	K2525				•	
	0340	7040		CMA						
•	Ø341	7450		SNA						
	Ø342	7402		HLT		/TAD OR	CMA ERI	RoR		
						/AC SHO	ULD EQU	AL 5252		
	0343	1071		TAD	K2525					
	0344	7948		CHA						
	Ø345	7440		SZA						
	9346	7482		HLT		/TAD OR	CMA ERI	Rn a		
				_		/AC SHO	ULD FOU	A: GGGG		
			/CMA	- TAD	TEST 2		ord rec.	L DODD		
	8347	7200		CLA						
	0350	1070			K5252					
	8351	7940		CMA						
	#352	7450		SNA						
	Ø3 5 3	7402		HLT		/TAD OR	CMA FRE	n a		
						/AC SHO	ULD FOU	1 2525		
	0354	1070		TAD	K5252					
	0355	7040		CMA						
	9356	7440		SEA						
	838 7	7482		HLT		/TAD OR	CMA ERR	lon		
						/AC SHOU	JLD EQUA			
			/CHA	- TAD T	EST 3					
	0360	7200		CLA						
	Ø361	1067		TAD	K7777					
	8362	7040		CMA						
	Ø363	7440		SZA						
	Ø364	7402		HLT		/TAD OR	CMA FRR	n#		
						/AC SHOU	LD FOUA	0000		
			/IAC	TEST 1						
	0365	7200		CLA						
	0366	7001		IAC						
	0367	7448		SZA						
	Ø37Ø	7410		SKP						
	Ø371	7402		HLT		/IAC DID	NOT IN	CDEMENT		
						/AC SHOU	IN FOIL	##### 1		
			/IAC	TEST 2			FO EGAF	SANT		
	A777	7200								
	Ø372									
	Ø373	1067		CLA TAD H	(7777					

/PDP-8/E	INSTR	JCTION	TEST 1	MAINDEC-BE-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-6
	Ø375	7440		SZA					
	Ø376	7482		HLT		DULD EQU	NCREMENT		
			/1AC	TEST 3	/AC SHI	יייייייייייייייייייייייייייייייייייייי	משטש אג		
	0377	7200	, , , , ,	CLA					
	0400	1101		TAD K7774					
	0401	7001		IAC					
	8482	7001		IAC					
	0403	7001		1 A C					
	0404	7001		IAC					
	0405	7440		SZA	41.40 NG		4515110		
	0406	7402		HLT		OT INCRE!			
			1571	TEST 1	/AC SHO	יטבט בשטי	שם שם ש		
	0407	7200	, , , ,	CLA					
	0410	7100		CLL	/CLEAR	LINK			
	0411	7004		RAL		LINK SAF	ETY		
	8412	7430		SZL					
	0413	7402		HLT			E SKIPPED		
					/LINK S	HOULD E	PUAL ZERO		
			4631	755 A					
	8414	7288	/3EL	TEST 2 CLA					
	8415	7100		CLL	/CLEAR	LINK			
	8416			CML		MENT LIN	ik .		
	8417	1050		TAD K4888			***		
	0420	7804		RAL	/SET LI	NK SAFET	TY		
	8421	7430		SZL					
	Ø422	7410		SKP					
	0423	7482		HLT		HOULD EG	HAVE SKIPPED		
			/SNI	TEST 1) LINK 3	HUULU EV	IONE ONE		
	6424	7200	7 0.10	CLÂ					
	0425	7100		CLL	/CLEAR	LINK			
	8426	7004		RAL		LINK SAF	ETY		
	8427	7420		SNL		_			
	0430	7410		SKP					
	6431	7402		HLT	/SNL SH	OULD NOT Hould Eq	HAVE SKIPPED HUAL ZERO		
			/SNI	TEST 2					
	Ø432	7200	,	CLA					
	Ø433			CLL	/CLEAR	LINK			
		7020		CML	/COMPLE	MENT LIN	K		
		1050		TAD K4000					
		7004		RAL	/SET LI	NK SAFET	Y		
		7420		SNL	4041				
	Ø44Ø	7402		HLT	/SNL SH	OULD HAV	E SKIPPED UAL ONE		
			/CL 1	TEST 1					
	0441	7200	FULL	CLA					
	0442	1050		TAD K4000					

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø V141
                                                                9-JUN-71
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          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
          Ø455 5246
                                JMP CLL1
                        /CML TEST 1
          0456 7180
                        CMLT1, CLL
          8457 7430
                               SZL
          8468 7482
                               HLT
                                               /CLL DID NOT CLEAR LINK
          0461 7020
                               CML
          9462 7429
                               SNL
         8463 7482
                               HLT
                                               /CML DID NOT SET LINK
         8464 7828
                               CML
         0465 7430
                               SZL
         6466 7482
                               HLT
                                               /CML DID NOT RESET LINK
                       /CLA TEST 1 (OPERATE GROUP 2)
         0467 7200
                               CLA
         8478 1867
                               TAB K7777
         0471 7600
                               7600
         8472 7448
                               SZA
         8473 7482
                               HLT
                                               /CLA (7600) DID NOT CLEAR AC
                                               /AC SHOULD EQUAL 0000
                       JOSR TEST 1
         8474 7288
                               CLA
         8475 7484
                               OSR
         8476 704Ø
                               CMA
         8477 7440
                               SZA
         0500 7402
                               HLT
                                               /OSR DID NOT SET AC TO 7777
                                               /AC SHOULD##
                       /NOP TEST 1 (OPERATE GROUP 1)
         9591 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
```

CLA

/PDP-8/E	INSTRUCTIO	N TEST 1	MAINDEC-8E-DØA	B PAL1Ø	V141	9-JUN-71	16:26	PAGE 1-8
	0510 710	а	CLL	AC AND	LINK EQ	UAL ZERO		
	0511 740		7400		INSTRUCTI			
	0512 745		SNA	,,,		•		
	Ø513 743		SZL					
	0514 740		HLT	/NOP F	ATIURF			
	0714 /40	2	7 L			OULD BE ZER	10	
		/TAD	TEST 1	7.40 8.44				
	0515 720		CLĀ					
			TAD K3777		/OPERAN	n 1		
	Ø516 106 Ø517 105		TAD K4000		/OPERAN			
			CMA		, G. Carri	-		
			SZA					
	Ø521 744 Ø522 740		HLT	/TAD E	RAR			
	8022 / TW	2	HE!		DULD EQUA	: 0000		
		/TAD	TEST 2	, , , ,	JOED COO.			
	6523 720							
			CLA Tad K5777		/OPERAN	n 1		
			TAD K2000		/OPERAN			
	0525 104				/ Ur Elian			
	0526 704		CMA					
	0527 744		SZA	/TAD ER	2000			
	Ø53Ø 74Ø	2	HLT		OULD EQUA			
			200- 5	ANC SH	של הלוטר	_ 0000		
			TEST 3					
	0531 720		CLA		/OPERAN	n 1		
	Ø532 1Ø6		TAD K6777		/OPERAN			. (2)
	0533 104		TAD K1000		/UPERAIN	UZ		
	8534 784		CMA					
	8535 744		SZA	474B C	20.00			
	Ø536 74D	2	HLT	/TAD E				
				JAC SHI	OULD EQUA	שממת 7		
			TEST 4					
	Ø537 72 8		CLA		/AREDAN	n 4		
	0540 106		TAD K7377		/OPERAN	D 3		
	8541 184		TAD KØ4ØØ		JUPERAN	U &		
	8542 784		CMA					
	8543 744		SZA	47AD E	2040			
	8544 748	2	HLT	/TAD E				
				ZAC SHO	DULD EQUA	שמשט _		
			TEST 5					
	0545 720		CLA		4085045	10.4		
	8546 186		TAD K7577		/OPERAN			
	8547 183		TAD KØ200		/OPERAN	U 2		
	0550 704		CMA					
	Ø551 744		SZA		200			
	Ø552 74Ø	2	HLT	/TAD EI				
				/AC SH	DULD EQUA	L 0000		
		/T & P.	TEST 6					
	45 E 7 900							
	0553 720		CLA TAD K7677		/OPERAN	in 1		
	0554 106		TAD K0100		/OPERAN			
	0555 103				F W. ERM			
	0556 704 0557 744		CMA SZA					
				/TAD E	RRAR			
	Ø56Ø 740	٤.	HLT	, (AU E				

/PDP-8/E INSTR	UCTION	TEST 1	MAIND	EC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-9
					/AC SHO	DULD EQUAL	. 0000		
		/TAD	TEST 7						
Ø561			CLA						
2562				K7737		/OPERAND	1		
2563			TAD	K0040		/OPERAND	2		
2564			CMA						
	7440		SZA						
8566	7402		HLT		/TAD EF	ROR			
					/AC SHO	DULD EQUAL	. 0000		
		/TAD	TEST 8						
Ø 567			CLA						
0 570			TAD	K7757		/OPERAND	1		
0571	-		TAD	KØØ2Ø		/OPERAND	2		
8 572			CMA						
0573	7440		SZA						
8574	7492		HLT		/TAD ER	ROR			
						ULD EQUAL	0000		
		/TAD	TEST 9						
0 575	7200		CLA						
Ø 576				K7767		JOPERAND	1		
Ø577	1826			KØØ1Ø		/OPERAND			
9699	7840		CMA	•			-		
2651	7440		SZA						
5682	7492		HLT		/TAD ER	ROR			
					/AC SHO	ULD EQUAL	0000		
		/TAD	TEST 1	}					
0693	7200		CLA						
8684	1854			K7773		/OPERAND	1		
8685	1024		TAD	K0004		/OPERAND	2		
0686	7940		CMA						
9687	7440		SEA						
0610	7492		HLT		/TAD ER				
					14C CHU	HILD FAHAL	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		

			/AC SHOULD EQUAL	0000
		/TAD TEST 9		
8575	7200	CLA		
Ø576	1955	TAD K7767	/OPERAND	4
	1026	TAD KØØ1Ø	/OPERAND	
9699	7848	CMA	, or Enamp	-
8661	7440	SZA		
8682	· . —	йĹŤ	/TAD ERROR	
		n 🕒 '	/AC SHOULD EQUAL	0000
			AND SHOOLD EMONE	8686
		/TAD TEST 10		
0693		CLA		
8684	1854	TAD K7773	/OPERAND	1
8685	1024	TAD KØØØ4	/OPERAND	
9696	7848	CMA	, 5, 2,	-
Ø6 6 7	7440	SEA		
0610	7492	HLT	/TAD ERROR	
			AC SHOULD EQUAL	0000
		/TAD TEST 11	THE SHOOLD LUGAL	2000
Ø611	7200	CLA		
0612	1053	TAD K7775	/OPERAND	4
Ø613	1022	TAD KØØØ2	/OPERAND	
8614		CMA	/ UFERANU	4
Ø615		SZA		
Ø616	7482	HLT	/TAD ERROR	
		/TAD TEST 12	FIND ENNOR	
Ø617	7200	CLA		
Ø62Ø	1052	TAD K7776	40B504N0	_
Ø621	1021	TAD KØØØ1	/OPERAND	
	7040	CMA	/OPERAND	2
	7440			
Ø624	7402	SZA	(Tin 50000	
0027	7402	HLT	/TAD ERROR	
		494m 970m 4m	/AC SHOULD EQUAL	9099
6465		/TAD TEST 13		
Ø625		CLA		
	7100	CLL		
0627	1050	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		/OPERAI	Nn 2		
	0631	7430			SZL		, G. ERA			
	Ø632	7440			SZA					
	Ø633	7402			HLT	/TAD ER	ROR. AC	SHOULD EQUAL	0000	
						/LINK S	HOULD BE	EQUAL ONE.		
								-		
			/1	AD T	EST 14					
	Ø634	7200	, ,		CLÂ					
	0635	7100			CLL					
	0636	1072			TAD K6000		/OPERAN	ND 1		
	0637	1045			TAD K2000		/OPERAN	√D 2		
	0640	7430			SZL					
	0641 0642	7440 7402			SZA	4745 55	000 40			
	2042	7 442			нцт	VIAD EK	HOULD EG	SHOULD EQUAL	9909	
			/1/	AD T	EST 15	APTIME 2	HOOLD E	IUAL UNE		
	0643	7200			CLA					
	8644	7100			CLL					
	Ø645	1073			TAD K7000		/OPERAN			
	Ø646 Ø647	1042 7430			TAD K1000		/OPERAN	D 2		
	Ø65Ø	7440			SZL SZA					
	8651	7482			HLT	/TAD FR	ROR. AC	SHOULD EQUAL	8 8 44	
						/LINK S	HOULD EQ	UAL ONE		
			/TA	D TE	ST 16					
	Ø652				CLA					
	Ø653 Ø654	7100			CLL					
	Ø655	1040			TAD K7400 Tad k0400		/OPERAN			
	0656	7430			SEL		/ OF ERAN	ບ 🕊		
	Ø6 5 7	7440			SEA					
	8668	7402			HLT	/TAD ERS	ROR. AC	SHOULD EQUAL UAL ONE	5000	
			/TA	D TE	ST 17			-		
	Ø661 Ø662	7200 7100			CLA					
	Ø6 6 3	1075			CLL Tad K7600		408EDAN	n 4		
	8664	1036			TAD KØ2ØØ		/OPERAN			
	Ø665	7430			SZL		, or exam	U &		
	B666	7448			SZA					
	Ø6 6 7	7402			HLT	/TAD ERF	ROR. AC S	SHOULD EQUAL	6000	
			474		CP 40	INK SH	IOULD EQI	UAL ONE		
	0 670	7200	/ I A	UIE	ST 18 CLA					
	Ø671	7100			CLL					
		1113			TAD K77ØØ		/OPERAN	n 1		
	Ø673	1034			TAD KØ1ØØ		/OPERAN			
	Ø674	7430			SZL		-			
	Ø675	7440			SZA					
	Ø676	7402			HLT	/IAD ERR	OR. AC S	SHOULD EQUAL	8606	
			/TA!	D TE	ST 19	/LINK SH	IUULU EUL	JAL UNE		
	0677	7200		- · -	CLĀ					
	0700	7100			CLL					

0701	1076	TAD K774Ø	/OPERAND 1
0702	1032	TAD K0040	OPERAND 2
Ø7Ø3	7430	SZL	
0704	7440	SZA	
0705	7402	HLT	/TAD ERROR. AC SHOULD EQUAL 0000
			/LINK SHOULD EQUAL ONE
		/TAD TEST 20	
8786	7200	CLA	
0707	7100	CLL	
0710	1077	TAD K7760	/OPERAND 1
0711	1030	TAD KØØ2Ø	/OPERAND 2
0712	7430	SZL	
0713	7440	SZA	
	7402	HLT	/TAD ERROR. AC SHOULD EQUAL 5505
	-	· · · · · ·	/LINK SHOULD EQUAL ONE
		/TAD TEST 21	
8715	7200	CLA	
0716	7100	cli	
0717	1100	TAD K7770	/OPERAND 1
0720	1826	TAD KØØ1Ø	/OPERAND 2
Ø721	7430	SŽL	
	7440	ASS	/TAD ERROR AC SHOULD EQUAL 8888
Ø723	7482	HLT	/LINK SHOULD EQUAL ONE
	· · · · · ·	••••	
		/TAD TEST 22	
Ø724	7290	CLA	
	7188	CLL	
0726	1101	TAD K7774	/OPERAND 1
0727	1024	TAD KODO4	OPERAND 2
9739	7438	SEL	
Ø731	7448	SEA	
8732	7482	HLT	/TAD ERROR. AC SHOULD EQUAL ####
. = -/		. •	/LINK SHOULD EQUAL ONE
		/TAD TEST 23	
0733	7200	CLA	
Ø734	7100	CLL	
9735	1852	TAD K7776	/OPERAND 1
Ø736	1822	TAD KØØØ2	OPERAND 2
8737	7430	SEL	
8749	7440	SZA	
8741	7482	HLT	/TAD ERROR. AC SHOULD EQUAL 0000
			/LINK SHOULD EQUAL ONE
		/TAD TEST 24	
0742	7200	CLA	
8743	7100	čĽĹ	
Ø744	1067	TÃO K7777	/OPERAND 1
Ø745	1021	TAD KØØØ1	OPERAND 2
Ø746	7430	SEL	/ WI WITHING M
Ø747	7440	SZA	
07 5 0	74.02	HLT	/TAD ERROR, AC SHOULD EQUAL 0000
D/3D	7 1 N. Z	71 L I	/LINK SHOULD EQUAL ONE
			LEIMU OURSED FROME DATE

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10
                                                        V141
                                                                9-JUN-71
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                                                                                         PAGE 1-12
                        /TAD TEST 25
          0751 7200
                                CLA
          0752 7100
                                CLL
          0753 7020
                                CML
          0754 1050
                                TAD K4000
                                                        /OPERAND 1
          0755 1050
                                TAD K4000
                                                        10PERAND 2
         0756 7420
                                SNL
         0757 7440
                                SZA
          0760 7402
                                HLT
                                                /TAD ERROR. AC SHOULD EQUAL 8000
                                                /LINK SHOULD EQUAL ZERO
                        /TAD TEST 26
         0761 7200
                                CLA
         0762 7100
                                CLL
         Ø763 1066
                                TAD K3777
                                                        /OPERAND 1
         0764 1045
                                TAD K2000
                                                        /OPERAND 2
         0765 1045
                                TAD K2000
                                                        /OPERAND 3
         Ø766 704Ø
                                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 710Ø
                               CLL
         Ø774 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
                               SZA
                                       /TAD ERROR AC SHOULD EQUAL 8888
         1002 7402
                               HLT
                                       /LINK SHOULD EQUAL ZERO
                       /TAD TEST 28
         1003 7200
                               CLA
        1084 7100
                               CLL
        1005 1064
                               TAD K6777
                                                       /OPERAND 1
        1006 1040
                               TAD KØ4ØØ
                                                       /OPERAND 2
        1007 1040
                               TAD KØ4ØØ
                                                       /OPERAND 3
        1010
             7040
                               CMA
        1011 7420
                               SNL
        1012 7440
                               SZA
        1013
             7402
                               HLT
                                               /TAD ERROR. AC SHOULD EQUAL DODD
                                               /LINK SHOULD EQUAL ZERO
                       /TAD TEST 29
        1014
              7200
                               CLA
        1015
              7100
                               CLL
              1063
        1016
                               TAD K7377
                                                       /OPERAND 1
        1017
              1036
                               TAD KØ2ØØ
                                                       /OPERAND 2
             1036
        1020
                               TAD KØ2ØØ
                                                       /OPERAND 3
        1021 7040
                               CMA
        1022
             7420
                               SNL
             7440
        1023
                               SZA
        1024 7402
                               HLT
                                               /TAD ERROR. AC SOULD EQUAL 0000
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/LINK SHOULD EQUAL ZERO

/PUr-8/E	INSTRU	CTION	TEST 1	MAINDEC-BE-DEAB	PAL18	V141	9-JUN-71	16:26	PAGE 1-13
			/TAD	TEST 30					
	1025	7200		CLA					
	1026	7100		CLL					
	1027	1062		TAD K7577		/OPERA	ND 1		
	1030	1034		TAD KØ100		/OPERA	ND 2		
	1031	1034		TAD KØ100		/OPERA	ND 3	•	
	1032	7848		CMA					
	1033	7420		SNL					
	1034	7440		SZA					
	1035	7402		HLT			SHOULD EQUAL Qual Zero	. 8888	
			/TAD	TEST 31					
	1036	7200		CLA					
	1037	7100		CLL					
	1848	1861		TAD K7677	46.74	/OPERA			
	1041	1032		TAD KØØ4Ø	7, 4	/OPERA			
	1042	1032		TAD KOB40		/OPERA	ND 3		
	1043	7848		CMA					
	1044	7420		SNL					
	1845	7448		SZA	4245 51		64611 B BOILE		
	1046	7492		HLT			SHOULD EQUAL Qual Zero	. 0000	
			/TAD	TEST 32					
	1847	7200		CLA					
	1050	7100		cli					
	1051	1857		TAD K7737		/OPERA	ND 1		
	1052	1030		TAD KBB28		/OPERA			
	1853	1030		TAD KØ828		/OPERA			
	1054	7840		CMA					
	1855	7420		SNL					
	1856	7448		SZA					
	1057	7402		HLT			SHOULD EQUAL QUAL ZERO	. 6908	
			/TAD	TEST 33					
	1060	7200	_	CLA					
	1861	7100		CLL					
	1062	1956		TAD K7757		/OPERA			
	1863	1026		TAD KØØ1Ø		/OPERA			
	1964	1926		TAD KØØ19		/OPERA	ND 3		
	1065	7040		CMA					
	4544	7420		@ Att					

/TAD ERROR. AC SHOULD EQUAL BODD

/LINK SHOULD EQUAL ZERO

/OPERAND 1 /OPERAND 2 /OPERAND 3

SNL

SZA

HLT

CLA

CMA SNL SZA

CLL TAD K7767

TAD KOOD4

TAD KØØØ4

/TAD TEST 34

1866 7428

1067 7440

1070 7402

1071 7200

1072 7100 1073 1055

1074 1024

1075 1024

1076 7948 1077 7420 1100 7440

/PDP-8/E	INSTRU	CTION	TEST	1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE	1-14
	1101	7482			HLT			SHOULD EQUAL Qual Zero	. 0000		
			17	ΑD	TEST 35	-					
	1102	7200			CLA						
	1103	7100			CLL						
	1104	1054			TAD K7773		/OPERA				
	1185	1022			TAD K0002		/OPERA				
	1186	1022			TAD K0002		/OPERA	מא 3			
	1187	7040			CMA						
	1110	7420			SNL			•			
	1111	7440			SZA	TAN FO	000 40	SHOULD EQUAL	9999		
	1112	7402			HLT	_		QUAL ZERO	. 9000		
			/1	AD	TEST 36						
	1113	7200	•		CLA						
	1114	7188			CLL						
	1115	1053			TAD K7775		/OPERA				
	1116	1021			TAD KØØØ1		/OPERA				
	1117	1021			TAD KØØØ1		/OPERA	ND 3			
	1120	7949			CMA						
	1121	7420			SNL						
	1122	7430			SZL	4745 55	DAD AC	CHAILS COLL	6505		
	1123	7402			HLT			SHOULD EQUAL Qual ZERO	. 6666		
			/T	AD	TEST 37		/10;MB	. CR.			
		7200			CLA						
	1125	7100			CLL	48444					
	1126	1021			TAD KØØØ1	/8+1=1					
	1127	1023			TAD K3 TAD K7773	/1+3=4 /4+7773	- 7777				
	1130	1054			CMA	/8	-,,,,				
	1131 1132	7040 7420			SNL	70					
	1132	7440			SZA						
	1134	7482				/TAD ER	ROR. AC	AND LINK SHO	OULD BE ZERO.	ı	
			/1	AD	TEST 38.	/91 MB.	CR.				
	1135	7298		_	CLA						
	1136	7100			CLL						
	1137	1022			TAD KØØØ2	/0+2=2					
	1140	1025			TAD K6	/2+6=10					
	1141	1055			TAD K7767	/10+776	7=7777				
	1142	7040			CMA	10					
	1143	7420			SNL						
	1144	7440			SZA				N		
	1145	7402			нцт	/TAD ER	HOR. AC	AND LINK SHO	JULD BE ZERD.	E	
			/1	d A	TEST 39.	/8; MB,	CR.				
	1146	7200			CLA						
	1147	7100			CLL 740 Maga	/0+4=4					
	1150	1024			TAD KØØØ4 TAD K14	/4+14=2	ø				
	1151	1027			LTV OWI	74.74-6	₩.				

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DBAB
                                                 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 KØØ1Ø
                                                 /0+10=10
          1162 1031
                                TAD K3Ø
                                                 /10+30=40
          1163 1057
                                TAD K7737
                                                 /40+7737=7777
          1164 7848
                                CMA
                                                 10
          1165 7428
                                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 1033
                                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
         1282 7188
                               CLL
         1283 1832
                                TAD KOB40
                                                18+48=48
         1284 1835
                                TAD K148
                                                /40+140=200
         1285 1862
                                TAD K7577
                                                /200+7577=7777
         1206 7840
                                CHA
                                                10
         1207 7420
                                SNL
         1210 7440
                                SZA
         1211 7402
                                HLT
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 43.
                                                /41 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 7462
                               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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                                                PAL18 V141
                                                                9-JUN-71
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                TAD K6777
                                                /1000+6777=7777
          1227 1064
                                                10
          1230 7040
                                CMA
          1231 7420
                                SNL
          1232 7440
                                SZA
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                                HLT
          1233 7402
                                                /2; MB, CR.
                        /TAD TEST 45.
          1234 7200
                                CLA
          1235 7120
                                CLL
                                                /0+400=400
                                TAD KØ4ØØ
          1236 1040
                                                /400+1400=2000
                                TAD K1400
          1237 1044
                                                /2000+5777=7777
                                TAD K5777
          1240 1065
                                                10
          1241 7040
                                CMA
          1242 7420
                                SNL
                                SZA
          1243 7440
                                                /TAD ERROR, AC AND LINK SHOULD BE ZERO.
          1244 7402
                                HLT
                                        /11 MB, CR.
                        /TAD TEST 46
                                CLA
          1245 7200
          1246 7188
                                CLL
                                                /0+1000=1000
                                TAD K1000
          1247 1842
                                                /1000+3000=4000
                                TAD K3000
          1250 1046
                                                /4000+3777#7777
                                TAB K3777
          1251 1066
          1252 7848
                                CMA
                                                10
                                SNL
          1253 7428
          1254 7448
                                SZA
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
          1255 7402
                                HLT
                        /TAD TEST 47
                                                /0; MB, CR
          1256 7200
                                CLA
          1257 7100
                                CLL
                                                10+2690=2598
                                TAD K2000
          1268 1845
                                                /2000+6000=1 0000
                                TAD K6000
          1261 1072
          1262 7438
                                SEL
          1263 7440
                                ASE
                                                /TAD ERROR, LINK SHOULD # 1. AC SHOULD # 8006.
                                HLT
          1264 7482
                        /TAD TEST 48.
          1265 7200
                                CLA
          1266 7100
                                CLL
                                                /8+7777=7777
                                TAD K7777
          1267 1067
                                                /7777+1=1 0000
                                TAD KODO1
          1270 1021
                                SZL
          1271 7430
          1272 7440
                                SEA
                                                /TAD ERROR. LINK SHOULD = 1. AC SHOULD = $0000.
          1273 7402
                                HLT
                                                /10; AC, MB, CR.
                        /TAD TEST 49.
          1274 7200
                                CLA
          1275 7100
                                CLL
                                                10+3=3
                                TAD K3
          1276 1023
                                TAD K3
                                                /3+3=6
          1277 1023
                                                 16+7770=7776
                                TAD K777Ø
          1300 1100
                                                 /7776+1=7777
                                TAD K0001
          1301 1021
                                                 10
          1302 7040
                                CMA
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/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 7482
                                HLT
                                                /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                        /TAD TEST 50.
                                                /9; AC, MB, CR.
          1306 7200
                                CLA
          1307 7100
                                CLL
          1310 1025
                                TAD K6
                                                10+6=6
          1311 1025
                                TAD K6
                                                16+6=14
          1312 1877
                                TAD K7768
                                                /14+7768=7774
          1313 1023
                                TAD K3
                                                /7774+3=7777
          1314 7840
                                CMA
                                                10
          1315 7420
                                SNL
          1316 7440
                                SZA
          1317 7482
                                HLT
                                                ATAD ERROR. AC AND LINK SHOULD BE ZERO.
                        /TAD TEST 51.
                                                /8; AC, MB, CR.
          1328 7288
                                CLA
          1321 7180
                                CLL
         1322 1027
                                TAD K14
                                                /0+14=14
         1323 1827
                                TAD K14
                                                /14+14=36
         1324 1876
                                TAD K7740
                                                /30+7748=7778
         1325 1102
                                TAD KØØØ7
                                                /7778+7=7777
         1326 7848
                                CMA
                                                19
         1327 7420
                                SNL
         1338 7448
                                SEA
         1331 7482
                               HLT
                                               /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 52.
                                                /73 AC. HB. CR.
         1332 7280
                               CLA
         1333 7100
                               CLL
         1334 1831
                               TAD K30
                                                18+38=38
         1335 1231
                               TAD K38
                                                /38+38=68
         1336 1851
                               TAD K7717
                                               /6巻+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.
                                               /61 AC, MB, CR.
         1343 7288
                               CLA
         1344 7100
                               CLL
         1345 1033
                               TAD K60
         1346 1033
                               TAD K60
                                               /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 7449
                               SZA
         1354 7402
                               HLT
                                               /TAD ERROR. AC AND LINK SHOULD BE ZERO.
                       /TAD TEST 54.
                                               /51 AC, MB, CR
        1355 7200
                               CLA
        1356 7100
                               CLL
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/PDP-8/E	INSTRU	CTION	TEST 1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-18
	1357	1035		TAD K148					
	1360	1935		TAD K140	/140+14	Ø=300			
	1361	1074		TAD K7400		80=7700			
	1362	1106		TAD K0077	17700+7				
		7040		CMA	10				
	1363	7420		SNL	, -				
	1364	7440		SZA					
	1365	7482		HLT	/TAD FR	ROR. AC	AND LINK SHOUL	D BE ZERO.	
	1366	7402		76.			·		
	_		/TAD	TEST 55.	/4; AC	MB, CR	•		
	1367	7200		CLA					
	1370	7100		CLL	10.760	- 7 - 4			
	1371	1037		TAD K300	/0+300:				
	1372	1937		TAD K300	/300+36				
	1373	1060		TAD K7177		177=7777			
	1374	7940		CMA	18				
	1375	7420		SNL					
	1376	7448		SZA					
	1377	7482		HLT	/TAD E	RROR. AC	AND LINK SHOUL	D BE ZERO.	
		#08 <i>#</i>	/TAD	TEST 56.	/3; AC	MB, CR	l•		
	1488	7280		CLA					
	1481	7100		CLL	/8+600:	. 4 6 6			
	1482	1041		TAD K600					
	1483	1041		TAD K688		00=1400 1000=740	a		
	1484	1872		TAD K6000		500 0= 740			
	1485	1110		TAD K8377	//4004	577=7777			
	1406	7848		CMA					
	1407	7420		SNL					
	1410	7448		SEA			AND I THE BUSIN	B 08 3500	
	1411	7402		HLT	/IAD E	RON. AU	AND LINK SHOUL	D BE EERO	1
			/TAD	TEST 57.	/21 AC	, MB, CR	I•		
	1412	7200		CLA					
	1413	7180		CLL					
	1414	1844		TAD K1400	/8+148	3=1400			
	1415	1044		TAD K1400	/1400+:	1408=300	1 0		
	1416	1050		TAD K4000	/3000+	4000=700	10		
	1417	1111		TAD KØ777	/7000+	777=7777	•		
	1428	7848		CMA	19				
	1421	7420		SNL					
	1422	7448		SZA					
	1423	7482		HLT	/TAD E	RROR. AC	: AND LI K SHOUL	D BE ZERO.	•
					/41 40	, MB, CR	•		
			/TAD	TEST 58.	711 AC	, MD; UN	• •		
	1424	7200		CLA					
	1425	7100		CLL	/0+300	3-7855			
	1426	1046		TAD K3000	/ ₽ T D M D L \	し ー い D D D D え の の の = よ か ?	10		
	1427	1046		TAD K3000		3000=600 1777=777			
	1430	1112		TAD K1777		L/7/=///	•		
	1431	7040		CMA	10				
	1432	7420		SNL					
	1433	7440		SZĄ		0000 : 1		0 0F 7FR0	
	1434	7482		HLT	/TAD E	ROR. AC	AND LINK SHOUL	U RE ZERU	

		/TAD TEST 59.	/Ø; AC, MB, CR.
1435	7200	CLA	. B. VA. HB. CU.
1436			
1437		CLL	
		TAD K6000	/0+6000=6000
1440		TAD K6000	/6000+6000=1 4000
1441		TAD K3777	/1 4000+3777=1 7777
1442	7040	CMA	/1 8000
1443	7430	SZL	
1444	7440	SZA	
1445	7402	HLT	ATAB FORCE ATABLE BASE
		nie i	/TAD ERROR. LINK SHOULD BE 1. AC SHOULD BE ZERO.
		/TAD TEST 60.	
1446	7200		
1447		CLA	
		CLL	
1450	1067	TAD K7777	/0+7777=7777
1451	1067	TAD K7777	/7777+7777#1 7776
1452	1021	TAD KØØØ1	/1 7776+1#1 7777
1453	7040	CMA	/1 0000
1454	7430	SZL	7 4 9000
1455	7440	SZĀ	
1456	7402		1915 AB -
2490	7.402	HLT	/TAD ERROR, LINK SHOULD BE 1. AC SHOULD BE BERO.
		/RAR TEST 1	
1457	7200	CLA	
1460	7100	CLL	
1461	1021	TAD KØØØ1	/ROTATE PATTERN
1462	7010	RAR	PROTATE PATTERN
1463	7420		
1464	7402	SNL	
2191	/ 472	HLT	/RAR FAILED, LINK DROPPED A BIT
			/LINK SHOULD EQUAL A ONE
4445		/RAR TEST 2	
1465	7200	CLA	
1466	7100	CLL	
1467	1020	TAD KØØØØ	/ROTATE PATTERN
1470	7010	RAR	AUGINIC WALLEND
1471	7440	SZA	
1472	7402	HLT	ADAD FARLED
		. 761	/RAR FAILED. AC PICKED UP A BIT
		/DAD 750= =	/A ONE IN AC EQUALS THE PICKED UP BIT
4 4 7 7	#30a	/RAR TEST 3	The state of the
1473	7200	CLA	
1474	7100	CLL	
1475	1020	TAD K8888	/ROTATE PATTERN
1476	7010	RAR	CONTRACT CALIFORNIA
1477	7430	SZL	
1500	7402	HLT	IDAL EATLER ATHUR REGION -
	· · · ·	Miller 1	/RAL FAILED. LINK PICKED UP A BIT
			/LINK SHOULD EQUAL ZERO
		1818 888	
48		/RAR TEST 4	
1501	7200	CLA	
1502	7100	CLL	
1503	7020	CML	
1564	1020	TAD KØØØØ	JOSTATE MARROW
-		ING NEEDS	/ROTATE PATTERN

/PUF-8/E	INSTRU	JCTIUN	TEST 1	. MAINE	DEC-BE-DEAB	PAL1Ø	V141	9-JUN-71	16:26	PAGE 1-20
	1505	7010		RAF	?					
	1506	7430		SZL						
	1507	7402		HLI		/RAR LI	NK PICKE	D UP A BIT		
	•					/LINK S	HOULD E	PUAL ZERO		
			/RAR	TEST 5	3		.,	- ONE ZENO		
	1510	7200		CLA	V					
	1511	7100		CLL						
	1512	7020		CML						
	1513	1067		TAD	K7777		/ROTATE	PATTERN		
	1514	7010		RAR						
	1515	7040		CMA						
	1516	7440		SZA						
	1517	7402		HLT		/RAR FA	ILED AC	DROPPED A BIT		
						/A ONE	IN AC EG	WALS THE DROPP	ED BIT	
			/RAR	TEST 6						
	1520	7200		CLA						
	1521	7100		CLL						
	1522	7020		CML						
	1523	1020			K0000		/ROTATE	PATTERN		
	1524	7010		RAR						
	1525	1066			K3777					
	1526	7040		CMA						
	1527	7450 7430		SNA						
	1530 1531			SZL						
	1231	7402		HLT		ZRAR FA	ILED AC	AND LINK		
						ASMOOFD	EQUAL 0	000		
			/RAD	TEST 7						
	1532	7200	, nen	CLA						
		7100		CLL						
	1534	1050			K4000		/POTATE	PATTERN		
	1535	7010		RAR	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,,,,,,,,,	LWI I EVIA		
	1536	1065			K5777					
	1537	7040		CMA						
	1540	7450		SNA						
	1541	7430		SZL						
	1542	7402		HLT		/RAR FA	ILED AC	AND LINK SHOULE	n	
						/EQUAL	0000	THE COMPACT	•	
	. = . =	B06-	/RAR	TEST 8						
	1543	7200		CLA						
	1544	7100		CLL						
	1545	1045			K2000		/ROTATE	PATTERN		
		7010		RAR						
	1547	1064			K6777					
	1550	7040		CMA						
		7450		SNA						
		743Ø 7402		SZL		40.4m = 5 : -			_	
•	15 5 3	1746		HLT		/RAR FA] /EQUAL 6	ILED AC	AND LINK SHOUL		
			/RAR	TEST 9						
	1554	7200		CLA						
	1555	7100		CLL						
	1556	1042		TAD	K1000		/ROTATE	PATTERN		

NERMONE THRENCH	INN IEST T	MAINUEÇ-SE-UØAB	PALID	V141	9-JUN-71	16:26	PAGE 1-21
1557 7	010	RAR					
	Ø63	TAD K7377					
	940	CMA					
	450						
	430	SNA					
	402	SZL	40.4m E				
1294 /	402	HLT	/EQUAL	8888	AND LINK SHOULD		
	/DAD	TEST 10					
1565 78	289						
	100	CLA CLL					
	040	TAD KØ4ØØ		400747			
	010	RAR		PRUIAIL	PATTERN		
	862	TAD K7577					
	940	CMA					
	450	SNA					
	430	SEL					
	482	HLT	/PAD EA	TIER AC	AND I THE		
23/7	٠٠٠	46 ·	/SHOULD	EQUAL	AND LINK Bøøø		
	/RAR	TEST 11					
1576 7	200	CLA					
	180	CLL					
	Ø36	TAD KØ2ØØ		/007ATE	PATTERN		
	010	RAR		ZHUIAIE	PATIERN		
	061	TAD K7677					
	848	CMA					
	450	SNA					
	430	SEL					
	402	HLT	/DAB CA	11.50 40	AND I THE		
2000		75 ·	/EQUAL		AND LINK		
	/RAR	TEST 12					
1607 72	200	CLA					
1619 71	180	CLL					
1611 16	33 4	TAD KØ1ØØ		/ROTATE	PATTERN		
	810	RAR					
	95 7	TAD K7737					
1614 76	348	CMA					
1615 74	45 g	SNA					
1616 7	430	521					
1617 74	402	HLT	/RAR FA	ILED AC	AND LINK		
			/SHOULD	EQUAL	000		
	/RAR	TEST 13					
	200	CLA					
1621 71	188	CLL					
	332	TAD KØØ4Ø		/ROTATE	PATTERN		
1623 78	010	RAR		,	TO A SECTION COMP.		
	356	TAD K7757					
1625 78	848	CMA					
1626 74	45 g	SNA					
1627 7	30	SZL					
1630 74	102	HĻŤ	/RAR FA	ILED AC	AND LINK		
		-					

/SHOULD EQUAL 0000

PAUSE

		TRUCTION TEST 1	
	/TAPI		
_	/RAR	TEST 14	
	200	CLA	
	100	CLL	
	03 0	TAD KØØ2Ø	/ROTATE PATTERN
1634 7	010	RAR	
	Ø 5 5	TAD K7767	
	040	CMA	
	450	SNA	
	430	SÆL	
1641 7	402	HLT	/RAR FAILED AC AND LINK
			/SHOULD EQUAL 0000
	/RAR	TEST 15	
1642 7	2 0 0	CLA	
1643 7	100	CLL	
1644 1	026	TAD KØØ1Ø	/ROTATE PATTERN
1645 7	010	RAR	
1646 1	054	TAD K7773	
1647 7	040	CMA	
	45 Ø	SNA	
1651 7	430	SZL	
1652 7	402	HLT	/RAR FAILED AC AND LINK
		-	SHOULD EQUAL DOOD
	/RAR	TEST 16	
1653 72	200	CLÃ	
1654 73	100	CLL	
1655 16	024	TAD KØØØ4	/ROTATE PATTERN
1656 76	010	RAR	, , , , , , , , , , , , , , , , , , ,
1657 19	353	TAD K7775	
1660 7	340	CMA	
1661 7	450	SNA	
1662 7	430	SZL	
1663 7	402	HLT	/RAR FAILED AC AND LINK
		• • • •	SHOULD EQUAL DOOD
	/RAR	TEST 17	, and a supply
1664 72	200	CLA	
	100	cli	
	322	TAD KØØØ2	/ROTATE PATTERN
1667 78		RAR	PROTATE PATTERN
	52	TAD K7776	
	340	CMA	
	150	SNA	
	30	SZL	
	02	HLT	/RAR FAILED AC AND LINK
40 ,,,,	· • -	retion 1	SHOULD EQUAL DODD
			A SUCCED FROME ANDA

		/RAR TEST 18	
1675	7200		
1676		CLA	
1677		CLL	
		TAD K0001	/ROTATE PATTERN
1700		RAR	
1701	-	TAD K7777	
1702		CHA	
1703		SNA	
1704		SNL	
1705	7402	HLT	/RAR FAILED AC AND LINK
			/SHOULD EQUAL DODD
		/RTR TEST 1	THE PURPLE STOP
1796	7200	CLA	
1797	7100	CLL	
1710	1022	TAD K0002	/ROTATE PATTERN
1711	7912	RTR	PROTATE PATIENT
1712	7420	SNL	
1713	7402	HL T	ATE CALLES LINE BROKES
		m 🕒 🎮	ATR FAILED LINK DROPPED
		/RTR TEST 2	/A BIT LINK SHOULD EQUAL A ONE
1714	7200		
	7100	CLA	
1716	1020	CLL	
1717		TAD KØØØØ	/ROTATE PATTERN
	7012	RTR	
	7440	SEA	
1721	7402	HLT	/RTR FAILED AC PICKED UP A BIT
		_	/A ONE IN AC EQUALS THE PICKED UP BIT
		/RTR TEST 3	The state of the s
1722	7200	CLA	
1723	7100	CLL	
1724	1020	TAD KØØØØ	/ROTATE PATTERN
1725	7012	RTR	· FORTH WILLIAM
1726	7430	SŽL	
1727	7402	HLT	/RTR LINK PICKED UP A BIT
			/LINK SHOULD EQUAL ZERO
		/RTR TEST 4	ACTUAL SHOOFD EACHE SELO
1730	7200	CLA	
1731	7100	čĹĨ	
1732	7020	CHL	
1733	1020		4845.58
1734	7012	TAD K0000	/ROTATE PATTERN
1735	7430	RTR	
1736	7402	SZL	
1/30	/ 752	HLT	/RTR LINK PICKED UP A BIT
			/LINK SHOULD EQUAL ZERO
		10.00	
	***	/RTR TEST 5	
1737	7200	CLA	•
1740	7100	CLL	
1741	7020	CML	
1742	1067	TAD K7777	/ROTATE PATTERN
1743	7012	RTR	entermin calleng
1744	7949	CMA	
1745	7440	SZĀ	
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PDP-8/E	INSTR	UCTION	TEST 1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-24
	1746	7482		HĻT	/RTR AC	DROPPE	D A BIT A ONE	. N	
					AC EQU	ALS THE	DROPPED BIT	111	
			/RTR T				5		
	1747			CLA					
	1750			CLL					
	1751			CML					
	1752			TAO KOOOO		/ROTATE	E PATTERN		
	1753			RTR		,	- 1 - 1 - 1 - 1 - 1 - 1		
	1754			TAD K5777					
	1755	7040		CMA					
	1756	7450		SNA					
	1757	7430		SZL					
	1760	7482		HLT	/PTD EA	TIED AC	AND I TAIL		
		_			ACHAOLD	ILEU AL	AND LINK		
			/RTR TE	'CT 7	/340050	EQUAL P	9090		
	1761	7200	7111111						
	1762	7100		CLA CLL					
	1763	1050							
	1764	7012		TAD K4000		POTATE	PATTERN		
		1064		RTR					
	1766	7040		TAD K6777					
	1767	7450		CMA					
	1770	7430		SNA					
	1771	7402		SEL					
	1//1	/ 752		HLT	/RTR FA	LED AC	AND LINK		
			4222		/SHOULD	EQUAL B	000		
	4790	***	/RTR TE						
	1772	7200		CLA					
	1773	7199		CLL					
	1774	1045		TAD K2000		/ROTATE	PATTERN		
	1775	7012		RTR					
	1776	1063		TAD K7377					
	1777	7848		CMA					
	2000	7450		SNA					
	2001	7438		SZL					
	2002	7402		HLŤ	/RTR FAI	LED AC	AND LINK		
					/SHOULD	FOUAL DE	999		
			-						
			/RTR TES	ST 9					
	2003	7200		CLA			•		
	2004	7100		CLL					
	2005	1842		TAD K1000		/ROTATE	PATTERN		
	2006	7012		RTR		,	CHIENN		
	2007	1062		TAD K7577					
	2010	7040		CMA					
	2011	7450		SNA					
	2012	7430		SEL					
		7402		HLT	PRTR FAIL	ED 40 4	AIR I TAIL		
	*			···	/SHOULD	LLU AU A	IND LINK		
			/RTR TES	T 10	, SHUULD	THOYT NO	עסי		
	2014	7200		CLÁ					
		7100		CLL					
		1040		TAD KØ4ØØ					
		7012		RTR	•	MUTAATE	PATTERN		
		1061							
'		91		TAD K7677					

/PDP-8/E INSTRUCTI	ON TEST 1 MAINDEC-SE-DEAB	PAL10 V141 9-JUN-71	16:26 PAGE 1-25
2021 70	IØ CMA		
2022 74	~ 0116		
2023 74			
2024 74		ATT FAILED AC AND LINK	
	- ng,	SHOULD EQUAL DODD	
	/RTR TEST 11	A 21100FD EMOVE BROW	
2025 72	OØ CLA		
2026 71	iø čil		
2 02 7 10 3		/ROTATE PATTERN	
2030 70:		PATIENN	
2031 10			
2032 704	Ø CMA		
2033 745	B SNA		
2634 743	Ø SZL		
2035 748	2 HLT	ATT FAILED AC AND LINK	
		SHOULD EQUAL DOOD	
	/RTR TEST 12	SOUGOTO SAGAT DASS	
2036 728	Ø CLA		
2037 710	Ø CLL		
2040 103	4 TAD KØ1ØØ	/ROTATE PATTERN	
2041 701	2 RTR	PROPERTY PARTERY	
2842 195	6 TAD K7757		
2043 704	Ø CMA		
2044 745	Ø SNA		
2045 743	ØSZL		
2046 740	2 HLT	ARTE FAILED AC AND LINK	
		/SHOULD EQUAL DOGO	
0.043 800	/RTR TEST 13		
2047 720			
2050 710			
2051 103		/ROTATE PATTERN	
2052 701			
2053 105			
2054 704			
2055 745			
2056 743 2057 740	~- -	·	
2057 740	HLT	ATTR FAILED AC AND LINK	
	4070 700m 4	SHOULD EQUAL DOOD	
2060 7201	/RTR TEST 14		
2060 7201 2061 7106	· · · · · · · · · · · · · · · · · · ·		
			·•
2062 1939 2063 7012		/ROTATE PATTERN	
2064 1054	*****	-	
2065 7040	1114 1111		
2066 7450	¥114		
2067 7438			
2070 7402		40.7m m. n	
20/0 /702	HLT	ATT FAILED AC AND LINK	
	/DTD TEC# 4#	SHOULD EQUAL 0000	
2071 7200	ATR TEST 15		
2072 7100			
2073 1026	~		
22,0 4020	TAD K0010	/ROTATE PATTERN	

/PDP-8/E	INSTRU	CTION	TEST	1	MAINDE	C-8E-DØAB	PAL10	V141	9-JUN-71	16126	PAGE	1-26
	2074	7012			RTR							
	2075	1053			TAD	K7775						
	2076	7040			CMA							
	2077	7450			SNA							
	2100	7430			SZL							
	2101	7482			HĻT			ILED AC	ØØØØ ØØØØ			
			/R	TR	TEST 1	5						
	2102	7300			CLA	CLL						
	2103	1024				K0004	POTATE	PATTER	IN .			
	2104	7012			RTR							
	2105	1052				K7776						
	2106	7040			CMA							
	2107	745Ø			SNA							
	2110	7430			SZL		.D.Y.D. E.		C AND LINK			
	2111	7402			HLT			EGNAL	C AND LINK			
			10	TD	TEST 1							
	2112	7200	/ 11		CLA	•						
	2112	7100			CLL							
		1022				KØØØ2		/ROTAT	E PATTERN			
	2114 2115	7012			RTR	NDDD L		•	. , ,			
	2115	7450			SNA							
	2117	7420			SNL							
	2120	7482			HLT				C SHOULD EQUAL IOULD EQUAL ONE			
			/R	TR	TEST 1	3						
	2121	7200			CLA							
	2122	7188			CLL							
	2123	1021			TÃÔ	K0001		/ROTAT	E PATTERN			
	2124	7812			RTR							
	2125	1866			TAD	K3777						
	2126	7040			CMA							
	2127	7458			SNA							
	2138	7430			SZL							
	2131	7482			HLT				C AND LINK			
			•				/SHOUL	BE ZER	IU .			
			/R	AL:	TEST 1							
	2132	7288			CLA							
	2133	7188			CLL				F 64 TTEBU			
	2134	1050			TAD	K4000		PROTAI	E PATTERN			
	2135	7004			RAL							
	2136	7430			SEL							
	2137	7440			SEA		43.4. E		C	***		
	2140	7402			нцт				C SHOULD EQUAL COUAL ONE.	. 8000		
			/R	AL	TEST 2							
	2141	7200			CLA							
	2142	7100			CLL			ADATA T	C DATTERN			
	2143	1020				K0000		/HUIAI	E PATTERN			
	2144	7004			RAL							
	2145	7420			SNL							
	2146	7440			SZA							

/PDP-8/E	INSTRU	CTION	TEST 1	MAIND	EC-8E-DØAB	PAL18	V141	9-JUN-71	16:26	PAGE 1	-27
	2147	7402		HLT				C SHOULD EQUAL Gual Zero	. 9000		
			/RAL	TEST 3							
		7200		CLA							
		7120		CLL							
		7020		CML							
		1020			K0000		PROTATI	E PATTERN. LI	NK . I		
		7024		RAL							
		7430		SZL							
	2156	7482		нцт				AC SHOULD EQU Qual Zero	AL 0001		
			/RAL	TEST 4							
	2157		-	CLA							
		7100		CLL							
		7020		CML							
		1067			K7777		POTATI	E PATTERN. LII	NK=1		
		7004		RAL							
		7848		CMA							
		7440		SZA			_				
	2166	7482		HLT			AILURE. 1 DULD EQU	LINK SHOULD E: Al ØØØØ	QUAL ONE		
			/RAL	TEST 5							
	2167	7288		CLA							
		7100		CLL							
		1045		TAD	K2000		/ROTATI	E PATTERN			
	2172	7004		RAL							
	2173	1066		TAD	K3777			-			
		7040		CMA							
		7450		SNA							
		7430		SEL							
	2177	7482		HLT			AILURE. : Should E	AC SHOULD EQU. Qual one	AL 0000		
				TEST 6							
		7200		CLA							
	2201	7100		CLL							
		1042		-	K1000		/ROTAT	E PATTERN			
		7004		RAL							
	2284	1065			K5777						
		7040		CMA							
	2206	7440		SZA							
	2287	7482		HET				AC SHOULD EQU Qual Zero	AL 0000		
			48.1	wen- =							
			/RAL	TEST 7							
	2218	7200		CLA							
	2211	7100		CLL	V6465		/DAT / T	C 8477584			
	2212	1040			K0400		ZKOTAT	E PATTERN			
	2213	7004		RAL	44795						
		1064			K6777						
	2215	7040	•	CMA							
	2216	7450		SNA							
	2217	7430		SZL							

/PDP-8/E	INSTR	UCTION	TEST 1	MAINDEC-BE-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-28
	22 20	7422		HLT	/RAL FA /LINK S	ILURE. HOULD E	AC SHOULD EQUA Qual Zero		- · · · - ·
			40.41	7FS - 0					
	2221	7200	ZHAL	TEST 8					
				CLA					
	2222	7100		CLL					
	2223	1036		TAD K0200		/ROTATI	E PATTERN		
	2224	7024		RAL					
	2225	1063		TAD K7377					
	2226	7040		CMA					
	2227	7450		SNA					
	2230	7430		SZL	/RAL FA	11 110C AC	SHOULD EQUAL	***	
	2231	7462		HLT	ALTHE S	TECKE W	PUAL ZERO	0000	
		_	/PAI	TEST 9	APTIME 2	MOULD E	JUAL ZEKO		
	2232	7200	F 11.05						
	2233	7100		CLA					
	2234	1034		CLL					
	2235	7004		TAD K0100	/ROTATE	PATTERN	i e		
	2236	1062		RAL					
				TAD K7577					
	2237	7040		CMA					
		7450		SNA					
	2241	7430		SZL	/RAL FA	ILURE AC	SHOULD EQUAL	0000	
	2242	7402		HLT	/LINK SI	HOULD EQ	UAL ZERO		
2 2 2 2 2 2	254 255 256 257 260	771030 2002 2002 2003 2004 1004 1004 100 100 100 100 100 100 10		TEST 10 CLA CLL TAD KØØ4Ø RAL TAD K7677 CMA SNA SEL HLT CLA CLL TAD KØØ2Ø RAL TAD K7737	/RAL FAI /LINK SH	LURE AC	PATTERN SHOULD EQUAL UAL A ZERO PATTERN	6009	
2 2 2 2 2 2 2	262 263 264 265 266 267 270	7450 7430 7402 7200 7100 1026 7004 1056	/RAL T	CMA SNA SEL HLT EST 12 CLA CLL TAD KØØ1Ø RAL TAD K7757	/LINK SH	OULD EQ(SHOULD EQUAL JAL A ZERO PATTTERN	0000	
2 2: 2:	272 273 274	7040 7450 7430 7402		CMA SNA SZL HLT	/RAL FAIL	URE AC	SHOULD EQUAL (3000	

		/RAL TEST 13	
2276	720Ø	CLĀ	
2277	7100	čĽĹ	
2300	1024	TAD KØØØ4	/ROTATE PATTERN
2301	7004	RAL	THO INIC PATIENT
2302	1055	TAD K7767	
2303	7848	CMA*	
2304		SNA	
2305	-	52L	ARAL EATLER AS GURLLE SOLL STORY
2386		HLT	/RAL FAILED AC SHOULD EQUAL 8808
		/RAL TEST 14	/LINK SHOULD EQUAL A ZERO
2387	7200	CEA:	
2310		CLL	
2311	1022	TAD KØØØ2	ADATATE BATHER.
2312	7004	RAL	/ROTATE PATTERN
2313	1054	TAD: K7773	
2314		CMA	•
2315	7450	SNA	
	7430		ADAL PARLED AS AUGUS DE CONTRACTOR
2317		SZL	AND LATER AC SHOULD EQUAL BODD
2011	, ,,,,,	HLT"	/LINK SHOULD EQUAL A ZERO
2320	7280	/RAL TEST 15	
2321	7100	CLA.	
2322	1021	CLL	4845.45 Bubbbb
2323		TAD: K0001	/ROTATE PATTERN
2324	1053	RAL	
2325	7848	TAD K7775	
2326	7450	CMA:	
2327	·	SNA	
2339	7482	Sal	/RAL FAILED AC SHOULD EQUAL 8888
E O G D	1455	HLT*	/LINK SHOULD EQUAL ZERO
2331	7288	FRAL TEST 16	
2332	7180	CLA:	
2333	7020	CLL	
2334	7004	CML	
2335		RAL	
2336	7040	TAD K7776	
2337	7450	CMA	
		SNA	
	7438 7482	SEL	
2341	1485	HLT	ARAL FAILED AC SHOULD EQUAL 8888
			/LINK SHOULD EQUAL ZERO
		ADTI TECH A	
2742	728a	/RTL TEST 1	
2342	7200	CLA	
2343	7199	CLL	
2344	1045	TAD K2000	
2345	7006	RTL	
2346	7420	SNL	
2347	7492	HLT	/RTL LINK DROPPED A BIT
		487	/LINK SHOULD EQUAL A ONE
0786	2000	/RTL TEST 2	
2350	7200	CLA	

/PDP-8/E	INSTR	UCTION	TEST	1 MAINE	DEC-8E-DØAB	PAL1Ø	V141	9-JUN-71	16126	PAGE 1-3Ø
	2351	7100		CLL						
	2352) køøøø		1067.70			
		7006					PROTATE	PATTERN		
	2354			RTL						
	2355			SZA		.D.T.				
	2399	7702		HLT				UP A BIT		
			407		•	/A ONE	IN AC EG	QUALS THE PICK	ED UP	
	27#4	# 2 6 a	/R1	L TEST 3						
		720Ø		CLA						
		7100		CLL						
	2360	1020			K0000		/ROTATE	PATTERN		
	2361	7006		RTL						
	2362	7430		SZL						
	236 3	7402		нцт		/RTL LI	NK PICKE	D UP A BIT		
						/LINK S	HOULD EQ	UAL ZERO		
			/RT	L TEST 4						
	2364	7200		CLA						
	2365	7100		CLL						
	2366	7020		CML						
	2367	1020			K0000		/ROTATE	PATTERN		
	2370	7006		RTL						
	2371	7430		SZL						
	2372	7402		HLT		ZRTI FA	II URE. I	INK PICKED UP	A DIT	
		- · · · -				ZI INK S	HOU! D FO	UAL A ZERO	w Dii	
								OME A #ENO		
			/RTL	TEST 5						
	2373	7200		CLA						
		7100		CLL						
	2375	7020		CML						
	2376	1067			K7777		/ROTATE	PATTERN		
	2377	7006		RTL	*****		THOTALE	PATIENT		
	2400	7040		CMA						
	2461	7440		SZA						
	2402	7402		HLT				000000	**	
	2485	7 492	/DTI	TEST 6		ZRIL PA	LUKE. D	ROPPED A BIT		
	24#3	7200	7111						ىد .	
	2404	7100		CLA					es ⁱ	
	2485	1050		CLL	K4000		4007 · T	647768w	•	
	2406	7006			V 4000		PRUTATE	PATTERN		
	2487	1052		RTL	w7774					
					K7776					
		7040		CMA						
	2411	7450		SNA						
	2412	7700		SEL						
	2413	7402	45.7	HLT		ZRIL FAI	LED AC	AND LINK SHOUL	D EQUAL 00	00
		B 084	ZKIL	TEST 7						
	2414	7200		CLA						
	2415	7100		CLL	400		.=== -=			
	2416	1045			K2000		/ROTATE	PATTERN		
	2417	7006		RTL						
		7450		SNA						
		7420		SNL						
	2422	7402		HLT		/RTL FAI	LED AC A	AND LINK SHOUL	. D	
			=			/EGUAL Ø	000			
	.		/RTL	TEST 8						
	2423	7200		CLA						

/PDP-8/E	INSTR	UCTION	TEST	1	MAINDEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-31
	2424	7120			CLL					
	2425	1042			TAD K1000		/ROTAT	E PATTERN		
	2426	7006			RTL		,	C PAITENN		
	2427	1066			TAD K3777					
	2430	7040			CMA					
	2431	7450			SNA					
	2432	7430			SZL					
	2433	7482			HLT	/RTL FA	ILED AC	AND LINK SHOULD		
						/EQUAL	0000			
			/R1	TL	TEST 9					
	2434	7200			CLA					
-	2435	7100			CLL					
	2436	1949			TAD KØ4ØØ		/ROTATI	E PATTERN		
	2437	7006			RTL					
	2446	1065 7040			TAD K5777					
	2441 2442	7450			CMA -					
	2443	7430			SNA					
	2444	7402			SZL	40.5.				
	. 6777	7702	,		HLT	/RIL FA /EQUAL	ILED AC Zero	AND LINK SHOULD		
			/RT	L 1	EST 10	••••				
	2445	7200			CLA					
	2446	7180			CLL					
	2447	1036			TAD KØ2ØØ		/ROTATE	PATTERN		
	2458	7006			RTL					
	2451 2452	1064 7040			TAD K6777					
	2453	7450			CMA					
	2454	7430			SNA					
	2455	7402			SZL	4871 64				
	- 100	,			HLT	/EQUAL I	ILED AC	AND LINK SHOULD		
			/RT	LT	EST 11					
	2456	7200			CLA					
	2457	7100			CLL					
	2460	1034			TAD KØ1ØØ		/ROTATE	PATTERN		
	2461 2462	7886			RTL					
	2463	1063 7040			TAD K7377					
	2464	7439			CMA					
	2465	7430			SNA					
	2466	7402			SEL	4571 54				
	LTUU	7,702			HLT	/KIL FAI	LED AC	AND LINK SHOULD		
			/RTI	т	EST 12	/EQUAL P	ם שו שו			
	2467	7200		• '	CLA					
	2470	7100			CLL					
	2471	1032			TAD KØØ4Ø		/ROTATE	PATTERN		
	2472	7006			RTL		FRUIRIE	FALIENN		
		1062			TAD K7577					
		7848			CMA					
		7450			SNA					
		7430			SZL					
	2477	7402			HLT	/RTL FAI	LED AC	AND LINK SHOULD		
				_		/EQUAL Ø	000			

		/RTL TEST 13	
2500	7200	CLA	
2581	7120	CLL	
2502	1030	TAD KØØ2Ø	/ROTATE PATTERN
2583	7006	RTL	
2504	1061	TAD K7677	
25Ø5	7040	CMA	
2506	7450	SNA	
2507	7430	SZL	
2510	7402	HLT	/RTL FAILED AC AND LINK SHOULD /EQUAL 0000
		/RTL TEST 14	
2511	7200	CLA	
2512	7100	CLL	
2513	1026	TAD KØØ1Ø	/ROTATE PATTERN
2514	7006	RTL	
2515	1057	TAD K7737	
2516	7040	CMA	
2517	7450	SNA	
2520	7439	SZL	ADT. FATIER AC AND LINE BURGER
2521	7402	HLT	ALL FAILED AC AND LINK SHOULD
		ARTL TEST 15	
2522	7200	CLA	
2523	7100	CLL	/ROTATE PATTERN
2524	1024	TAD KØØØ4	TRUIAIE PATTENA
2525	7006	RTL	
2526	1056	TAD K7757	
2527	7040 7450	CMA	
2538	7430	SNA SZL	
2531 2532	7402	HLT	ATT FAILED AC AND LINK SHOULD
2732	1442	ms ·	/EQUAL 0000
		/RTL TEST 16	PE-ONE BOOM
2533	7200	CLA	
	7120	CLL	
2535	1022	TAD KØØØ2	/ROTATE PATTERN
2536	7006	RTL	• • • • • • • • • • • • • • • • • • • •
2537	1055	TAD K7767	
2548	7848	GMA	
2541	7450	SNA	
2542	7430	SZL	
2543	7402	HLT	/RTL FAILED AC AND LINK
	•		/SHOULD EQUAL DODD
		ATT TEST 17	
2544	7200	CLA	
2545	7100	CLL	
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 MAI	NDEC-8E-DØA	B PAL10	V141	9-JUN-71	16:26	PAGE 1-33
	25 53	7430		S	EL.					
	2554	7482			ILT	/RTL FA	HED AC	AND LINK		
						/SHOULD	EQUAL	0000		
			/R	TL TEST	18					
	2555	7280			LA					
	2556	7100		C	LL					
	2557				ML					
	2560	7006			TL					
	2561	1053			AD K7775					
	2562	7040			MA					
	2563	7450			NA					
	2564	7430			ΣĽ					
	2565	7482		H	LT	/RTL FA	ILED AC	AND LINK		
	-	e .	•			/SHOULD	EQUAL	0000		
			/BS	SW TEST	1					
	2566	7200			LÃ					
	2567	7100			<u>L</u>					
	2578	7848			MA .		/AC=77	77		
	2571	7002			SW			BYTES AC SHOUL!		
	2572	7848			MA		/ WHAF !	PILES NO SHUULI	D EQUAL 7//	/
	2573	7420			NL		JOID L	INK SET?		
	2574	7448		Si	EA .		, - , ,	• • • • • • • • • • • • • • • • •		
	2575	7482		H	LT.		/BSW F/	AILED		
								LINK SHOULDE	8600	
	0001	=000	/8 \$	W TEST						
	2576	7288		CL						
	2577	7188		CL						
	2688	7020 7002		C			/LINK=1			
	2682	7450		BS			/SWAP E	BYTES AC SHOULD	EQUAL 000	0
	2683	7420		51						
	2684	7482		S N						
	2004	7402		HL			/BSW CA	USED THE LINK		
	0465	***	/BS	W TEST						
	2685	7200		CL		•				
	2686	7188		CL						
	2607	1113			D K7700		/AC=770			
	2610	7002		BS			/SWAP B	YTES AC SHOULD	EQUAL 007	7
	2611	1113			D K7788		/AC*777	7		
	2612	7849		CM			/AC=000	0		
	2613	7420		81						
	2614 2615			S ₹						
	2017	7402	,	HL			/BSW FA /Should	ILED AC AND LI	NK	
			/BSI	N TEST	4	,				
	2616	7200		CL	A ·			•		
	2617	7180		CL						
	2620	1106			D KØØ77		/AC=007			
		7002		BS			SWAP B	YTES AC SHOULD	EQUAL 7700	J
		1106			D KØØ77		/AC=777	7		
	2623 2624	7040		CM.						
		7420 7440		SNI						
•	2027	, 770		SZ	A					

/PDP-8/E	INSTR	RUCTION	TEST 1 MA	INDEC-8E-DØA	B PAL10	V141	9-JUN-71	16:26	PAGE 1-34
	2626	7402		HLT		/BSW FA	AILED AC AND L		
			/BSW TES	7 F		/SHOULD	1=0000		
	2627	7300		CLA CLL					
	2630			TAD KØ77	-				
	2631			BSW KØ7/S	<i>a</i>	481148 8			
	2632				•	/SWAP B	BYTES AC SHOUL	D EQUAL 700	7
	2633			TAD KØ776 Cma	,				
	2634								
	2635			SNL					
	2636			SZA					
	2000	7 102	•	4L.T		/BSW FA	ILED AC AND L	INK	
			JOSU TECH	- 4		SHOULD	EQUAL 0000		
	2637	7320	/BSW TEST						
	2640			LA CLL CML	•				
	2641	7002		AD K7007					
	2642			SSW		/SWAP B	YTES AC SHOULD	EQUAL #77	8
	2643	7040		'AD K7007					
	2644	7430		MA					
	2645			ZL					
	2646			ξ <u>¥</u>					
	2040	7402	н	LT		/BSW FA	ILED AC		
			4	_		/SHOULD	EQUAL 0000 AN	D LINK=1	
	0117		/BSW TEST						
	2647	7200		LA					
	2650	7100		LL					
	2651	1114		AD K5225		/AC=5225	5		
	2652	7002		SW		/SWAP BY	YTES AC SHOULD	FOUAL 2552	
	2653	1114	Ť,	AD K5225		/AC=7777	7	-4045 5776	•
	2654	7040	C	MA		•	•		
	2655	7420	S	NL					
	2656	7440	3	ZA					
	2657	7402	H	LT		/BSW FAT	ILED AC AND LI	NK	
						/SHOULD:	8008		
			/BSW TEST	8					
	2660	7200	CL	LA					
	2661	7100		LL					
	2662	1115	T	AD K2552		/AC=2552)		
	2663	7002	89	SW	•		TES AC SHOULD	FOLIAL ROOF	
	2664	1115	TA	AD K2552		/AC=7777	, ALMARK		
	2665	7040	Ch						
	2666	7420	SA						
	2667	7440	S	! Ā					
	2670	7402	HL	.T		JRSW FAT	LED AC AND LI	N. P.	
						/SHOULD=	SAGA	₹ ∩	
		_	/GROUP 1 0	PERATE TEST	1				
	2671	7200	CL		/CLEAR	A.C.			
		7100	ĊĹ		/CLEAR	INK			
		7040	CM		/AC EQUA	LS 7777			
	2674	7020	CM		/LINK FO	DUALS ONE			
;	2675	7300		A CLL	/TEST CO	MBINATIO	N		
;		7420	SN		, , _ G , G (ŧ ų		
		7440	SZ						
	2700	7402	HL		ZCLA CLI	FATEFO	LINK SHOULD E		
			**************************************	•	,		FINE SHORED B	E 10	

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DBAB
                                                 PAL18
                                                         V141
                                                                 9-JUN-71
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                                                                                         PAGE 1-35
                                                 /AC SHOULD EQUAL 0000
                        /GROUP 1 OPERATE TEST 2
          2701 7200
                                CLA
                                                 /AC EQUALS 8000
          2702 1071
                                TAD K2525
                                                         /AC EQUALS 2525
          2703 7240
                                CLA CMA
                                                 /TEST COMBINATION
          2704 7040
                                CMA
          2705 7440
                                SEA
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/BE 0000

/LINK=1

/AC=7777

/LINK=0

/LINK=1

/LINK=0

/LINK*1

/AC=7777

/AC=7777 LINK=1

/SHOULD BE ZERO

/TEST COMBINATION

/LINK SHOULD BE BERO

/TEST COMBINATION

/TEST COMBINATION

/LINK SHOULD BE A ONE

/CLL CML FAILED

/TEST COMBINATION

/CLL CML FAILED.
/LINK SHOULD BE A ONE

/TEST COMBINATION

/CLA CMA ERROR. AC SHOULD

/CLL CMA FAILED. AC AND LINK

/CLA CMA CLL FAILED. AC AND

/CLA CML FAILED. AC SHOULD EQUAL /0000. LINK SHOULD BE A ONE

2786 7482

2707 7200

2710 7100

2711 7040

2712 7140

2713 7420

2714 7440

2715 7482

2716 7100

2717 7020

2720 7200

2721 7040

2722 734Ø

2723 7848

2724 7420

2725 7440

2726 7402

2731 7840

2732 7220

2733 7430

2734 7440

2735 7402

2736 7100

2737 7020

2748 7128

2741 7420

2742 7482

2743 7180

2744 7120

2745 7420

2746 7482

2747 7120

7200

7100

2727

2730

HLT

CLA

CLL

CMA

SNL

SZA

HLT

CLL

CML

CLA

CMA

CMA

SNL

SEA

HLT

CLA

CLL

CMA

SEL

SZA

HLT

CLL

CML

SNL

HLT

CLL

SNL

HLT

/GROUP 1 OPERATE TEST 5

CLA CML

/GROUP 1 OPERATE TEST 6

CLL CML

/GROUP 1 OPERATE TEST 7

CLL CML

/GROUP 1 OPERATE TEST 8

CLL CML

/GROUP 1 OPERATE TEST 3

CLL CMA

/GROUP 1 OPERATE TEST 4

CLA CMA CLL

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                                                                               16:26
                                                                                        PAGE 1-36
                                                PAL10 V141
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
          2750 7240
                                CLA CMA
                                                /AC=7777
                                                /TEST COMBINATION
          2751 7320
                                CLA CLL CML
          2752 7430
                                SZL
          2753 7440
                                SZA
                                                /CLA CLL CML FAILED. LINK SHOULD
                                HLT
          2754 7482
                                                /BE 1. AC SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 9
                                                /LINK=0, AC=7777
          2755 734Ø
                                CLA CLL CMA
                                                /TEST COMBINATION
          2756 7320
                                CLA CLL CML
          2757 7430
                                SZL
          2760 7440
                                ASS
                                                /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
                                                /0000 LINK SHOULD EQUAL ONE.
                        /GROUP 1 OPERATE TEST 11
         2767 7300
                                                /AC AND LINK=0
                                CLA CLL
                                                        /AC=2525
          2770 1071
                                TAD K2525
                                                /TEST COMBINATION
          2771 7348
                                CLA CMA CLL
          2772 7040
                                CMA
          2773 7420
                                SNL
          2774 7440
                                SEA
                                                /CLA CMA CML FAILED, AC SHOULD BE
          2775 7482
                                HLT
                                                /8888, LINK SHOULD EQUAL EERO
                        /GROUP 1 OPERATE TEST 12
                                                /AC AND LINK#8
          2776 7388
                                CLL CLA
                                TAB K2525
                                                        /AC=2525
          2777
               1871
                                                /TEST COMBINATION
                                CLL CMA CML
         3000 7160
                                TAD K2525
          3001 1071
          3002 7040
                                CMA
          3003 7430
                                SZL
         3004 7440
                                SZA
                                                /CLL CMA CML FAILED. AC SHOULD BE
          3005 7402
                                HLT
                                                /8666. LINK SHOULD EQUAL ONE
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                                                /AC=0000. LINK=1
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                                CML
                                                /TEST COMBINATION
          3010 7160
                                CLL CMA CML
          3011 7040
                                CMA
          3012 7430
                                SEL
         3013 7440
                                SZA
                                                /CLL CMA CML FAILED. AC SHOULD
                                HLT
         3014 7402
                                                /BE 0000. LINK SHOULD BE ONE
                        /GROUP 1 OPERATE TEST 14
          3015 7300
                                CLA CLL
                                                       /AC=2525, LINK=0
                                TAD K2525
         3016 1071
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                               CLA CLL CMA CML /TEST COMBINATION
          3017 7360
          3020 7040
                               CMA
          3021 7430
                               SZL
          3022 7440
                               SZA
          3023 7402
                                              /CLA CLL CMA CML FAILED. AC SHOULD
                               HLT
                                              /BE ØØØØ LINK SHOULD EQUAL ONE.
                       /GROUP 1 OPERATE TEST 15
          3024 7520
                               CLA CLL CML
                                                     /AC=5252. LINK=1
          3025 1070
                               TAD K5252
          3026 7360
                               CLA CLL CMA CML /TEST COMBINATION
          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
          3034 1071
                               TAD K2525
                                                      /AC=2525
          3035 7201
                                             /TEST COMBINATION
                               CLA IAC
          3036 1052
                               TAD K7776
          3037 7040
                               CMA
          3948 7448
                               SZA
                                               /CLA IAC FAILED
          3041 7402
                               HLT
                                               /AC SHOULD EQUAL 8000
                       /GROUP 1 OPERATE TEST 17
          3842 7328
                               CLL CML CLA
          3843 1852
                               TAD K7776
                                                       /AC=7776. LINK=1
                                               /TEST COMBINATION
          3044 7101
                               CLL IAC
          3845 7848
                               CMA
          3046 7420
                               SNL
          3847 7440
                               SZA
          3050 7402
                                              /CLL IAC FAILED, AC AND LINK
                               HLT
                                               /SHOULD EQUAL ZERO
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          3051 7320
                               CLA CLL CML
          3052 1071
                               TAD K2525
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          3053 7301
                               CLA CLL IAC
          3054 1052
                               TAD K7776
          3855 7848
                               CMA
          3056 7420
                               SNL
          3057 7440
                               SZA
          3060 7402
                                               /CLA CLL IAC FAILED. AC AND LINK
                               HLT
                                               /SHOULD BE ZERO
                       /GROUP 1 OPERATE TEST 19
                                               /AC=Ø LINK#Ø
          3061 7300
                               CLA CLL
          3062 7041
                               CMA IAC
                                               /TEST COMBINATION
          3063 7430
                               SEL
          3064 7440
                               SZA
          3065 7402
                               HLT
                                               JCMA IAC FAILED. AC SHOULD EQUAL
                                               /ØØØØ. LINK SHOULD EQUAL ONE
                        /GROUP 1 OPERATE TEST 20
          3066 7300
                               CLA CLL
                                                     /AC=2525 LINK=Ø
                               TAD K2525
          3067 1071
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL1Ø
                                                       V141
                                                                9-JUN-71
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                                                                                        PAGE 1-38
          3070 7241
                                CLA CMA IAC
                                                /TEST COMBINATION
          3071 7430
                                SZL
          3072 7440
                                SZA
          3073 7402
                                                /CLA CMA IAC FAILED. AC SHOULD
                                HLT
                                                /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
         3106 7430
                               SZL
         3107 7440
                               SZA
         3110 7402
                               HLT
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                                               /0000. LINK SHOULD BE ONE
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         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
                               HLT.
                                               /CLA CLL CMA IAC FAILED AC SHOULD
                                               /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 7440
                               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
                              TÃD K7776
        3127 1052
                                                      /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
                              CLA CML IAC
                                              /TEST COMBINATION
        3140 1052
                              TAD K7776
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PPDP-8/6 INSTRUCTION TEST 1 MAINDEC-8E-DOAB PALLO V141
          3141 7040
                                CMA
          3142 7430
                               SZL
          3143 7440
                               SZA
                                               /CLA CHL IAC FAILED. AC SHOULD BE
          3:44 7482
                               HLT
                                               10000. LINK SHOULD EQUAL ONE
                        /GROUP 1 OPERATE TEST 27
          3145 7520
                                               /AC=0000 LINK=1
                               CLA CLL CML
          3146 1052
                               TAD K7776
                                                      /AC=7776
          3147 7121
                               CLL CML IAC
                                               /TEST COMBINATION
          3150 7040
                               CMA
          3151 7430
                               SEL
          3152 7440
                               SZA
                                               /CLL CML IAC FAILURE, AC SHOULD BE
          3153 7482
                               HLT
                                               /8888. LINK SHOULD EQUAL ONE.
                        /GROUP 1 OPERATE TEST 28
          3154 7300
                               CLA CLL
                                                      JAC=7776 LINK=Ø
          3155 1052
                               TAD K7776
                               CLL CML TAC
                                               /TEST COMBINATION
          3156 7121
          3157 7040
                               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#Ø
          3164 1071
                               TAD K2525
                               CLA CLL CML IAC /TEST COMBINATION
          3165 7321
          3166 1952
                               TAB K7776
          3167 7040
                                CMA
          3178 7430
                               SEL
          3171 7440
                               SZA
          3172 7482
                                               /CLA CLL CML TAC FAILED. AC SHOULD
                               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
          3175 7321
                               CLA CLL CML IAC /TEST COMBINATION
          3176 1052
                               TAD K7776
          3177 7940
                               CMA
          3280 7430
                               SEL
          3281 7440
                               SEA
          3282 7402
                                               /CLA CLL CML IAC FAILED. AC SHOULD
                               HLT
                                               /BE 0000, LINK SHOULD BE ONE
                        /GROUP 1 OPERATE TEST 31
          3203 7300
                               CLA CLL
          3204 1021
                               TAD KØØØ1
                                                      /AC=0001 LINK=0
                                            /TEST COMBINATION
          3205 7061
                               CMA CML IAC
          3206 7040
                               CMA
          3207 7430
                               SEL
          3210 7440
                               SZA
                                              /CMA CML IAC FAILED. AC SHOULD
          3211 7402
                               HLT
```

```
/BE 0000. LINK SHOULD BE ONE
              /GROUP 1 OPERATE TEST 32
 3212 7520
                      CLA CLL CML
 3213 1021
                     TAD KØØØ1
                                          /AC=0001 LINK=1
 3214 7061
                     CMA CML IAC /TEST COMBINATION
 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 CHL
3230 1071
                     TAD K2525
                                   /AC=2525 LINK=1
3231 7261
                     CLA CMA CML IAC /TEST COMBINATION
3232 7430
                     SEL
3233 7440
                     SZA
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 TAC /TEST COMBINATION
3240 7040
                     CMA
3241 7430
                     SZL
3242 7440
                     SZA
3243 7402
                     HLT
                                  /CLL CMA CML TAC FAILED. AC SHOULD BE
                                   /8000. LINK SHOULD BE ONE
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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
3260 7402
                    HLT
                                   /CLA CLL CMA CML IAC FAILURE AC AND
                                   /LINK SHOULD EQUAL ZERO
            /GROUP 1 OPERATE TEST 38
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB 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
                                ASS
          3267 7402
                                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 7204
                                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
         3366 7212
                               CLA RTR
                                               /TEST COMBINATION
         3391 1865
                               TAD K5777
         3382 7848
                               CMA
         3383 7428
                               SNL
         3384 7448
                               SEA
         3385 7482
                               HLT
                                               /CLA RTR FAILED, AC AND
                                               /LINK SHOULD BE BERO
                       /GROUP 1 OPERATE TEST 41
         3306 7360
                               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
                               SZA
         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 7848
                               CMA
        3322 7420
                               SNL
        3323 7440
                               SEA
        3324 7482
                               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
                               CLL RAL
                                               /TEST COMBINATION
        3330
              1061
                              TAD K7677
        3331 7040
```

CMA

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3332 7420
                      SNL
                      SZA
3333 7440
                                      /CLL RAL FAILED. AC AND LINK
3334 7482
                      HLT
                                      /SHOULD BE ZERO
              /GROUP 1 OPERATE TEST 44
3335 7520
                      CLA CLL CML
                                              /AC=0040 LINK=1
                      TAD KODAD
3336 1032
3337 7112
                      CLL RTR
                                      ITEST COMBINATION
                      TAD K7767
3340 1055
3341 7040
                      CMA
3342 7420
                      SNL
3343 7440
                      SHA
                                      /CLL RTR FAILED. AC AND LINK
3344 7482
                      HLT
                                      /SHOULD BE ZERO
              /GROUP 1 OPERATE TEST 45
3345 7320
                      CLA CLL CML
                                              /AC=0040 LINK=1
                      TAD KØØ4Ø
3346 1032
                      CLL RTL
                                      /TEST COMBINATION
3347 7186
3350 1062
                      TAD K7577
3351 7040
                      CMA
                      SNL
3352 7420
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
                                      /TEST COMBINATION
                      CLL CLA RAR
3386 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
3363 7304
                      CLL CLA RAL
3364 7420
                      SNL
3365 7430
                      SEL
                                      /CLL CLA RAL FAILED. AC AND
3366 7402
                      HLT
                                      /LINK SHOULD BE BERO
              /GROUP 1 OPERATE TEST 48
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3367 7360
                                      /TEST COMBINATION
                      CLA CLL RTR
3370 7312
3371 7420
                      SNL
3372 7440
                      SEA
                      HLT
                                      /CLA CLL RTL FAILED. AC AND
3373 7402
                                      /LINK SHOULD BE ZERO
              /GROUP 1 OPERATE TEST 49
                      CLA CMA CLL CML /AC=7777 LINK=1
3374 7360
                                      /TEST COMBINATION
                      CLA CLL RTL
3375 7306
                      SNL
3376 7420
3377 7440
                      SEA
                                      /CLA CLL RTL FAILED. AC AND
3400 7402
                      HLT
                                      /LINK SHOULD EQUAL ZERO
              /GROUP 1 OPERATE TEST 50
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                                                                9-JUN-71
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PALIØ V141
          3401 7300
                                CLA CLL
                                               /AC=0000 LINK=0
          3402 7030
                                CML RAR
                                                /TEST COMBINATION
          3403 1066
                                TAB K3777
          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
                                                /TEST COMBINATION
          3411 7024
                                CML RAL
          3412 1052
                                TAD K7776
          3413 7848
                                CMA
          3414 7420
                                SNL
          3415 7440
                                AER
          3416 7482
                                                /CML RAL FAILED. AC AND LINK
                                HLT
                                                /SHOULD BE ZERO.
                        /GROUP 1 OPERATE TEST 52
                                                /AC=0000 LINK=0
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                                CLA CLL
                                CML RTR
                                                /TEST COMBINATION
          3420 7032
          3421 1865
                                TAD K5777
          3422 7940
                                CMA
          3423 7420
                                SNL
          3424 7448
                                SEA
                                                /CML RTR FAILED. AC AND LINK
          3425 7482
                                HLT
                                                /SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 53
          3426 7300
                                                /AC=0000 LINK=9
                                CLA CLL
          3427 7026
                                CML RTL
                                                /TEST COMBINATION
                                TAD K7775
          3438 1853
          3431 7948
                                CHA
          3432 7428
                                SNL
          3433 7440
                                SEA
          3434 7402
                                                /CML RTL FAILED. AC AND LINK
                                HLT
                                                /SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 54
          3435 7300
                                CLA CLL
                                                        /AC=5252 LINK=Ø
          3436 1070
                                TAD K5252
                                                /TEST COMBINATION
          3437 7230
                                CLA CML RAR
          3440 1066
                                TAD K3777
          3441 7840
                                CMA
          3442 7420
                                SNL
          3443 7440
                                SZA
          3444 7402
                                HLT
                                               /CLA CML RAR FAILED. AC AND
                        PAUSE
                        /INSTRUCTION TEST - 1
                        /GROUP 1 OPERATE TEST 55
                        /TAPE 3
          3445 7300
                                CLA CLL
                                                        /AC=5252 LINK=Ø
          3446 1070
                                TAD K5252
                                               /TEST COMBINATION
          3447 7224
                                CLA CML RAL
```

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10
                                                        V141
                                                                9-JUN-71
                                                                                16:26
                                                                                        PAGE 1-44
          3450 1052
                                TAD K7776
          3451 7040
                                CMA
          3452 7420
                                SNL
          3453 7440
                                SZA
          3454 7482
                                                /CLA CML RAL FALED. AC AND
                                HLT
                                                /LINK SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 56
          3455 7300
                                CLA CLL
          3456 1070
                                TAD K5252
                                                        /AC=5252 LINK=Ø
         3457 7232
                                CLA CML RTR
                                                /TEST COMBINATION
         3460 1065
                                TAD K5777
         3461 7040
                                CMA
         3462 7420
                                SNL
         3463 7440
                                SZA
         3464 7482
                                HLT
                                                /CLA CML RTR FAILED. AC AND
                                                /LINK SHOULD BE ZERO
                        /GROUP 1 OPERATE TEST 57
               7300
         3465
                                CLA CLL
         3466 1070
                                TAD K5252
                                                        /AC=5252 LINK=Ø
         3467 7226
                                CLA CML RTL
                                                /TEST COMBINATION
         3470 1053
                                TAD K7775
               7040
         3471
                                CMA
         3472
               7428
                                SNL
         3473
               7440
                                SZA
               7482
         3474
                                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 CML RAR
                                                /TEST COMBINATION
         3477 7004
                                RAL
         3500 7430
                                SEL
         3501 7440
                               SZA
         3502 7402
                                                /CLL CHL RAR FAILED. AC SHOULD
                                HLT
                                                /BE ØØØØ LINK SHOULD BE 1
                       /GROUP 1 OPERATE TEST 59
                                                /AC=0000 LINK=1
         3583 7328
                               CLA CLL CML
         3584 7138
                               CLL CML RAR
                                                /TEST COMBINATION
         3565 7004
                               RAL
         3586 7438
                               SEL
         3567 7440
                               SZA
         3510 7402
                               HLT
                                                /CLL CML RAR FAILED. AC SHOULD BE
                                                /0000, LINK SHOULD BE A ONE
                       /GROUP 1 OPERATE TEST 60
         3511 7300
                                                /AC=0000 LINK=0
                               CLA CLL
         3512 7124
                               CLL CML RAL
                                               /TEST COMBINATION
         3513 7010
                               RAR
         3514 7430
                               SZL
         3515 7440
                               SZA
         3516 7402
                               HLT
                                               /CLL CML RAL FAILED. AC SHOULD
                                               /EQUAL 0000. LINK SHOULD BE ONE
                       /GROUP 1 OPERATE TEST 61
         3517 7520
                               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 16:26 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
          3525 7300
                               CLA CLL
                                              /AC=0000 LINK=0
          3526 7132
                               CLL CML RTR
                                             /TEST COMBINATION
          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
                                              /AC=0000 LINK=1
                               CLA CLL CML
          3534 7132
                               CLL CML RTR
                                              /TEST COMBINATION
          3535 7006
                               RTL
         3536 7430
                               SZL
         3537 7440
                               SZA
          3548 7482
                               HLT
                                              /CLL CML RTR FAILED. AC SHOULD
                                              /BE ØØØØ LINK SHOULD BE ONE.
                       /GROUP 1 OPERATE TEST 64
         3541 7300
                                            /AC=0000 LINK=0
                               CLA CLL
         3542 7126
                               CLL CML RTL
                                             /TEST COMBINATION
         3543 7012
                               RTR
         3544 7430
                               SZL
         3545 7440
                               SZA
         3546 7402
                                              /CLL CML RTL FAILED. AC SHOULD
                               HLT
                                              /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 7438
                               SZL
         3553 7440
                               SZA
         3554 7402
                               HLT
                                              /CLL CML RTL FAILED. AC SHOULD
                                              /BE 0000. LINK SHOULD BE A ONE.
                       /GROUP 1 OPERATE TEST 66
         3555 7300
                              CLA CLL
         3556 1070
                              TAD K5252
                                                     /AC=5252 LINK=Ø
         3557 7330
                              CLA CLL CML RAR /TEST COMBINATION
         3560 7004
                              RAL
         3561 7430
                              SZL
         3562 7440
                              SZA
         3563 7402
                               HLT
                                              /CLA CLL CML RAR FAILED, AC SHOULD
                                              /BE 0000. LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 67
         3564 7320
                              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
         3571 7440
                              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
         3573 7300
                              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
                              HLT
                                             /CLA CLL CML RAL FAILED. AC SHOULD
                                             /BE 0000. LINK SHOULD BE ONE
                      /GROUP 1 OPERATE TEST 69
         3602 7520
                             CLA CLL CML
         3683 1070
                                          /AC=5252 LINK=1
                             TAD K5252
         3684 7324
                              CLA CLL CML RAL /TEST COMBINATION
         3605 7010
                              RAR
         3606 7430
                              SZL
         3607 7440
                             SZA
         3610 7402
                             HLT
                                           /CLA CLL CML RAL FAILED. AC SHOULD
                                            /BE 0000 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 7482
                             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
                                           /CLA CLL CML RTR FAILED. AC SHOULD
                             HLT
                                           /BE 0000. LINK SHOULD BE A ONE
                     /GROUP 1 OPERATE TEST 72
        3627 7300
                             CLL CLA
        3630 1071
                             TAD K2525
                                                  /AC=2525 LINK=Ø
        3631 7326
                             CLA CLL CML RTL /TEST COMBINATION
        3632 7012
                             RTR
        3633 7430
                             SZL
        3634 7440
                             SZA
        3635 7402
                             HLT
                                           /CLA CLL CML RTL FAILED. AC SHOULD
                                           /BE 0000, LINK SHOULD BE A ZERO
                     /GROUP 1 OPERATE TEST 73
        3636 7520
                            CLL CLA CML
TAD K5252
        3637 1070
                                                 /AC=5252 LINK=1
```

CLA CLL CML RTL /TEST COMBINATION

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/PDF-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141 9-JUN-71 16:26 PAGE 1-47
                               RTR
          3641 7012
          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
                                                      JTEST PATTERN
          3646 1067
                              TAD K7777
                                              /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
                              TAD K7776
                                                     ITEST PATTERN
         3656 1852
                                              /AC EQUALS 9992
         3657 7941
                              CIA
                              TAD K7775
         3668 1053
         3661 7040
                              CMA
         3662 7420
                              SNL
                                              /CIA FAILED AC SHOULD EQUAL 0000
         3663 7440
                              SZA
                                              /LINK SHOULD EQUAL A ZERO
         3664 7402
                              HLT
                       /GROUP 1 OPERATE TEST 76
         3665 7300
                               CLA CLL
                              TAD K7774
                                                      JTEST PATTERN
         3666 1101
                                              /AC EQUALS 0004
         3667 7041
                              CIA
         3678 1854
                              TAD K7773
         3671 7840
                               CMA
         3672 7420
                               SNL
                                              /CIA FAILED AC SHOULD EQUAL SESS
         3673 7440
                               SZA
                                              /LINK SHOULD EQUAL ZERO
         3674 7482
                               HLT
                       /GROUP 1 OPERATE TEST 77
         3675 7300
                               CLA CLL
                              TAD K7778
                                                      /TEST PATTERN
         3676 1100
                                              /AC EQUALS 8018
         3677 7841
                               CIA
                              TAD K7767
         3788 1855
         3781 7848
                               CMA
         3702 7420
                               SNL
         3703 7440
                               SEA
                                              /CIA FAILED AC SHOULD EQUAL 8888
          3784 7482
                               HLT
                       /GROUP 1 OPERATE TEST 78
         3705 7300
                               CLA CLL
                              TAD K776Ø
                                                    /TEST PATTERN
         3796 1977
                                              /AC EQUALS 0020
          3707 7041
                               CIA
                               TAD K7757
          3718 1856
          3711 7040
                               CMA
          3712 7420
                               SNL
         3713 7440
                               SZA
                                              /CIA FAILED AC SHOULD EQUAL 8000
          3714 7482
                               HLT
                                              /LINK SHOULD EQUAL ZERO
                       AGROUP 1 OPERATE TEST 79
```

CLA CLL

/PDP-8/E	INSTRU	CTION	TEST	1 M	AINDEC-BE-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE	1-48
		1076			TAD K7740		/TEST	PATTERN			
	3717	7041			CIA						
	3720	1057			TAD K7737		/AC EG	QUALS 0040			
	3721	7040			CMA						
	3722	7420			SNL						
	3723	7440			SZA	•	_				
	3724	7482			HLT	/CIA F	AILED AC	SHOULD EQUAL	0000		
						/LINK	SHOULD E	EQUAL ZERO			
			/66	RALIP .	L OPERATE TEST	80					
	3725	7300	, 0.		CLA CLL	<u> </u>					
	3726	1113			TAD K7700		/TEST	PATTERN			
	3727	7041			CIA	/AC EQ					
		1861			TAD K7677	,					
	3730										
	3731	7949 7420			CMA SNL						
	3732										
		7440			SZA	/CIA F	ATIED A	SHOULD EQUAL	0000		
· ·	3734	7402			HLT	/LINK	SHOULDE	EQUAL ZERO			
			/GF	ROUP :	L OPERATE TEST	81					
	3735	7300			CLA CLL			5			
	3736	1075			TAD K7600			PATTERN			
	3737	7841			CIA	AC EG	JALS 828	00			
	3740	1962			TAD K7577						
	3741	7040			CMA						
	3742	7420			SNL						
	3743	7440			SZA						
	3744	7482			HLT	/CIA F. /LINK :	AILED AC Should E	C SHOULD EQUAL Equal Zero	9069		
			/GF	ROUP 1	OPERATE TEST						
	3745	7300	• •		CLA CLL						
	3746	1874			TAD K7488		/TEST	PATTERN			
	3747	7941			CIA	JAC EQ	UALS 848	30			
	3750	1063			TAD K7377		_				
	3751	7040			CMA						
	3752	7420			SNL						
	3753	7449			SZA						
	3754	7402			HLT	/CIA F	AILED AC	C SHOULD EQUAL	0000		
	G/ J-	7 17 5				/LINK	SHOULD 6	EQUAL ZERO			
				90110	L OPERATE TEST	83					
	.765	9700	/ 61	, UUF .	CLA CLL	-					
	3755	7300			TAD K7000		/TEST	PATTERN			
	3756	1073			CIA	/AC FO	UALS 10				
	3757	7041			TAD K6777	, n = E		- -			
	3760	1064									
	3761	7040			CMA						
	3762	7420			SNL						
	3763	7440			SZA	/CIA E	ATIEN A	C SHOULD EQUAL	aaaa		
	3764	7402			HLT	/LINK		EQUAL ZERO			
			/GF	ROUP :	L OPERATE TEST	84					
	_	7300			AL A 011						
	3765	7366			CLA CLL TAD K6000			PATTERN			

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                                                             9-JUN-71
                                                                               16:26 PAGE 1-49
                                               /AC EQUALS 2000
          3767 7041
                                CIA
          3770 1065
                                TAD K5777
          3771 7040
                                CMA
          3772 7420
                                SNL
          3773 7440
                                SZA
          3774 7482
                                HLT
                                                /CIA FAILED AC SHOULD EQUAL BODO
                                               /LINK SHOULD EQUAL ZERO
                        /GROUP 1 OPERATE TEST 85
          3775 7300
                                CLA CLL
          3776 1050
                                TAD K4000
                                                       /TEST PATTERN
          3777 7041
                                               /AC EQUALS 4000
                                CIA
          4000 1066
                                TAD K3777
          4001 7040
                                CMA
          4882 7420
                                SNL
          4003 7440
                                ASE
          4664 7402
                                               /CIA FALED AC SHOULD EQUUA 808
                                HLT
                                               /LINK SHOULD EQUALL ZERO
                        /GROUP 1 OPERATE TEST 86
          4005 7300
                                CLA CLL
                                                       ITEST PATTERN
          4996 1020
                                TAD KØØØØ
          4007 7041
                                               /AC EQUALS 8000, LINK EQUALS A ONE
                                CIA
          4010 7450
                                SNA
          4011 7420
                                SNL
          4012 7402
                                HLT
                                                /CIA FAILED AC SHOULD EQUAL 8000
                                                /LINK SHOULD EQUAL A ONE
                        /GROUP OPERATE TEST 87
          4013 7340
                                CLA CMA CLL
                                               /AC=7777,L=0
          4814 7311
                                CLA CLL IAC RAR /AC=Ø,L=1
          4815 7438
                                SZL
          4016 7448
                                SEA
          4817 7482
                                               /ERROR; LINC NOT SET OR
                                HLT
                                               /AC NOT Ø
                        /GROUP 1 OPERATE TEST 88
          4020 7360
                                CLA CMA CLL CML /AC=7777,L=1
          4021 7305
                                CLA CLL IAC RAL /AC=2,L=0
          4022 7430
                                SZL
          4023 7402
                                                /ERROR; LINC NOT Ø
                                HLT
          4824 7841
                                CHA IAC
         4025 1022
                                TAD K0002
                                SZA
          4027 7402
                                HLT
                                               /ERROR AC NOT=2
                       /GROUP 1 OPERATE TEST 89
          4030 7320
                                CLA CLL CML
                                               /AC=Ø,L=1
                                CLA CLL IAC RTR /AC=4000,L=0
          4031 7313
          4032 7430
                                SZL
          4033 7402
                                               /ERROR; LINC NOT Ø
                                HLT
          4034 7500
                                SMA
          4035 7402
                                HLT
                                               /ERROR; AC NOT 4000
                       /GROUP 1 OPERATE TEST 90
                                CLA CMA CLL CML
          4036 7360
                                                       ノAC=フフフフ・しゅ1
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PALLØ V141 9-JUN-71
                                                                            16:26 PAGE 1-50
         4037 7307
                              CLA CLL IAC RTL /AC=4,LINC=Ø
         4040 7430
                              SZL
         4041 7482
                              HLT
                                              /ERROR; LINC NOT Ø
         4042 7041
                               CMA IAC
         4043 1024
                              TAD K0004
         4044 7440
                              SZA
         4045 7482
                                             /ERROR; AC NOT 4
                              HLT
                      /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
                                            /AC=0,L=0
                              CLA CLL
         4053 7345
                              CLA CMA CLL IAC RAL /AC=0001,L=0
         4054 7430
                              SZL
         4055 7402
                              HLT
                                             /LINC NOT=#
                              CMA IAC
         4056 7041
         4057 1021
                              TAD KØØØ1
         4060 7440
                              SZA
         4061 7402
                              HLT
                                            /AC NOT 0001
                      /GROUP 1 OPERATE TEST 93
         4062 7360
                              CLA CMA CLL CML
                                                   /AC=7777,L=1
         4063 7373
                              CLA CMA CLL CML IAC RTR /AC=0,L=0
         4064 7440
                              SZA
         4065 7492
                              HLT
                                              /ERROR;
         4046 7430
                              SEL
         4067 7402
                                              /ERROR;
                              HLT
                      /GROUP 1 OPERATE TEST 94
         4070 7332
                              CLA CLL CML RTR
                                                    /L=Ø AC=2000
         4971 7986
                              RTL
                                                    /L=1 AC=8000
         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
                                             /7742 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
                                      K7677 /AC=7777
                              TAD
         4106 7040
                              CMA
                                              /AC=00000
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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141 9-JUN-71
          4107 7420
                                SNL
          4110 7440
                                SZA
                                                17703 FAILED
          4111 7482
                                HLT
                        /GROUP 1 OPERATE TEST 97
          4112 7360
                                CLA CMA CLL CML
                                CLA CLL CMA IAC BSW
                                                     /AC=0000 LINK=1
          4113 7343
          4114 7430
                                SZL
          4115 7440
                                SZA
                                               17743 FAILED
          4116 7402
                                HLT
                        /GROUP 1 OPERATE TEST 98
          4117 7360
                                CLA CMA CLL CML
                                CLA CLE CMA CML IAC BSW /AC=0000 LINK=0
          4120 7363
          4121 7420
          4122 7440
                                SZA
                                               17763 FAILED
          4123 7482
                                HLT
                        /GROUP 1 OPERATE TEST 99
          4124 7300
                                CLA CLL
          4125 1043
                                TAD
                                        K1234
                                CMA CML IAC BSW
                                                       /AC=4465 L=1
          4126 7863
          4127 1947
                                TAD
                                        K3312
          4138 7848
                                CMA
          4131 7430
                                SZL
          4132 7448
                                SZA
                                                17863 FAILED
          4133 7402
                                HLT
                        /GROUP 1 OPERATE TEST 100
          4134 7332
                                CLA CLL CML RTR
                                                        /AC=2000 L=1
          4135 7063
                                CMA CML IAC BSW
                                                        /AC=0060 L=1
                                        K7717
                                                        /AC=7777 L=1
          4136 1051
                                TAD
          4137
               7848
                                CMA
          4140 7430
                                SZL
          4141 7440
                                SZA
                                                        17063 FAILED
          4142 7402
                                HLT
                        /GROUP 2 OPERATE TEST 1
                                                JAC=7777
          4143 7240
                                CLA CMA
                                CLA SMA
                                                /TEST COMBINATION
          4144 7788
          4145 7482
                                                /CLA SMA DID NOT SKIP
                                HLT
                                                /AC SHOULD BE 0000
          4146 7440
                                SZA
          4147 7402
                                HLT
                                                /CLA SMA DID NOT CLEAR AC
                                                /AC SHOULD BE 0000
                        /GROUP 2 OPERATE TEST 2
                                                /AC=7777
                                CLA CMA
          4150 7240
                                CLA SZA
                                                /TEST 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

CLA CMA

/PDP-8/E INST	RUCTION	TEST 1	MAINDEC-8E-DØA8	PALI	LØ V141	9-JUN-71	16:26	PAGE 1-52
445	5 7540		SMA SZA	/TES	T COMBINAT	Inn		
415 415			HLT			HAVE SKIPPED		
415	6 /452		ns :		SHOULD EQUA			
		/GROUP	2 OPERATE TEST	4	· · · · · · · · · · · · · · · · · · ·	-		
415	7 7280		CLA		-0000			
416			SMA SZA		ST COMBINAT			
416			HLT			HAVE SKIPPED		
_					SHOULD EQUA	AL 0000		
		/GROUP	2 OPERATE TEST	5				
416			CLA			• •		
416			TAD K3777	1856	/AC=37			
416			SMA SZA	/163	ST COMBINAT	104		
416			SNA	/CM/	CZA CHOIII	NOT HAVE SKP	en.	
416	6 7482		HLT		SHOULD EQU		L D	
		/GROUP	2 OPERATE TEST	6				
416	7 7240		CLA CMA	/AC=	=7777	_		
417			CLA SMA SZA		ST COMBINAT			
417	1 7402		HLT		A SMA SZA SI Should be i	HOULD HAVE SKII Bøøø	PPED	
417	2 7440		SZA	• • •				•
417			HLT	/AC	WAS NOT CL	EARED		
72/	• , 2			/AC	SHOULD BE	8 Ø 6 0		
		/GROUP	2 OPERATE TEST	7				
417	4 7280		CLA		2000	_		
417			CLA SMA SEA		ST COMBINAT			
417	6 7402		HLT		A SMA SZA SI Should be (HOULD HAVE SKII Døgg	PPED	
417	7 7440		SZA	, , , ,				
420			HLT	/AC	WAS NOT CLI	EARED		
720				/AC	SHOULD BE	8666		
		/GROUP	2 OPERATE TEST	8				
420	1 7200		CLA					
420	2 1066		TAD K3777		/AC=37			
428			CLA SMA SZA	. /TES	ST COMBINAT	ION		
428	_		SZA		. C74 D10 NI	O- CVIC AD AC		
420	5 7402		HLT		T CLEARED TO	OT SKIP OR AC O 0000		
		/GROUP	2 OPERATE TEST	9				
420	6 7300		CLL CLA	/LIN	AK = Q			
420			TAD K5252		/AC=52	52		
421			CLA SNL	/TES	ST COMBINAT	ION		
421	1 7440		SZA					
421	2 7402		HLT			R AC NOT CLEAR!		
				/AC	AND LINK S	HOULD EQUAL RE	RU .	
		4CRAUR	2 OPERATE TEST	10				
4	7 9304	7640UP	CLA CLL CML	4 W				
421			TAD K2525		/AC=25	25 LINK=1		
421			CLA SNL	/TES	ST COMBINAT			
421			HLT		DID NOT S			
421	ט יישר		3 4 May .*	,		=		

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10
                                                        V141
                                                                 9-JUN-71
                                                                                 16126
                                                                                         PAGE 1-53
                                                /LINK SHOULD EQUAL ONE
          4217 7440
                                SZA
          4220 7482
                                HLT
                                                /CLA SNL DID NOT CLEAR AC
                                                /AC SHOULD EQUAL 0000
                        /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
                                HLT
                                                /SNL SHOULD HAVE SKIPPED. LINK = 1
                        /GROUP 2 OPERATE TEST 13
          4230 7300
                                CLA CLL
          4231 1050
                                TAD K4000
                                                        /AC=4000 LINK=0
          4232 7520
                                SMA SNL
                                                /TEST COMBINATION
          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
         4236 7520
                                SMA SNL
                                                /TEST COMBINATION
         4237 7402
                                HLT
                                                /SMA SNL SHOULD HAVE SKIPPED
                                                /AC=4000 LINK=1
                       /GROUP 2 OPERATE TEST 15
         4248 7388
                               CLA CLL
                                                /AC=0800 LINK=0
         4241 7720
                               CLA SMA SNL
                                                /TEST COMBINATION
         4242 7448
                               SZA
         4243 7402
                               HLT
                                               /SMA SNL SKIPPED. AC AND LINK
                                                /SHOULD BE ZERO
                       /GROUP 2 OPERATE TEST 16
         4244 7320
                               CLA CLL CML
                                               /AC=0000 LINK=1
         4245 7728
                               CLA SMA SNL
                                               /TEST COMBINATION
         4246 7402
                               HLT
                                               /SNL SHOULD HAVE SKIPPED
                                               /LINK=1
         4247 7440
                               SZA
         4250 7482
                               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
                               HLT
                                               /SMA SHOULD HAVE SKIPPED
                                               /AC SHOULD EQUAL 8000 LINK=0
         4255 7440
                               SZA
         4256 7402
                               HLT
                                               /CLA SMA SNL DID NOT CLEAR AC
                                               /AC SHOULD EQUAL 0000
                      /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
/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB
                                                PAL10
          4261 7720
                                CLA SMA SNL
                                                /TEST COMBINATION
                                                /CLA SMA SNL SHOULD HAVE SKIPPED
          4262 7402
                                HLT
                                                /AC SHOULD BE 0000
                                                                    LINK=1
          4263 7440
                                SZA
                                                /CLA SMA SNL DID NOT CLEAR AC
          4264 7482
                                HLT
                                                /AC SHOULD BE 0000 LINK=1
                        /GROUP 2 OPERATE TEST 19
                                                /AC=0000 LINK=0
          4265 7300
                                CLA CLL
                                                /TEST COMBINATION
          4266 7460
                                SZA SNL
                                                /SZA SNL DID NOT SKIP
          4267 7482
                                HLT
                                                /AC=0000
                        /GROUP 2 OPERATE TEST 20
                                                /AC=0000 LINK=1
          4270 7520
                                CLL CLA CML
                                                /TEST COMBINATION
          4271 7460
                                SZA SNL
          4272 7482
                                                ISZA SNL DID NOT SKIP
                                HLT
                                                /AC=0000 LINK=1
                        /GROUP 2 OPERATE TEST 21
          4273 7388
                                CLA CLL
                                                        /AC=0400 LINK=0
          4274 1040
                                TAD KØ400
                                                /TEST COMBINATION
          4275 7460
                                SZA SNL
          4276 7450
                                SNA
                                                /SZA SNL SKIPPED
          4277 7482
                                HLT
                                                /AC=0400 LINK=0
                        /GROUP 2 OPERATE TEST 22
          4366 7329
                                CLA CLL CML
                                                        /AC=0040 LINK=1
          4301 1032
                                TAD KØØ4Ø
                                                /TEST COMBINATION
          4382 7468
                                SZA SNL
                                                /SZA SNL SHOULD HAVE SKIPPED
          4303 7402
                                HLT
                                                /LINK=1
                        /GROUP 2 OPERATE TEST 23
                                                /AC=8888 LINK=8
               7300
                                CLA CLL
          4384
                                CLA SZA SNL
                                                ITEST COMBINATION
          4385 7668
                                                /CLA SEA SNL SHOULD HAVE SKIPPED
          4386 7482
                                HLT
                                                VAC AND LINK SHOULD EQUAL ZERO
          4307 7440
                                SZA
                                                /CLA SZA SNL DID NOT CLEAR AC
          4318 7482
                                HLT
                                                /AC SHOULD BE 8000
                        /GROUP 2 OPERATE TEST 24
          4311 7326
                                                /AC=0000 LINK=1
                                CLA CLL CML
                                                /TEST COMBINATION
          4312 7660
                                CLA SZA SNL
                                                /CLA SZA SNL SHOULD HAVE SKIPPED
          4313 7482
                                HLT
                                                /AC=0000 LINK=1
          4314 7448
                                SEA
          4315 7402
                                HLT
                                                /CLA SZA SNL DID NOT CLEAR AC
                                                /AC SHOULD EQUAL 0000
                        /GROUP 2 OPERATE TEST 25
         4316 7520
                                CLA CLL CML
                                                        /AC=0200 LINK=1
          4317 1036
                                TAD KØ2ØØ
          4320 7660
                                                        /TEST COMBINATION OR
                                CLA SZA SNL
                                                /CLA SZA SNL SHOULD HAVE SKIPPED
          4321 7482
                                HLT
                                                /LINK=1
          4322 7440
                                SZA
                                                /CLA SZA SNL DID NOT CLEAR AC
          4323 7482
                                HLT
```

/AC SHOULD EQUAL ØØØØ /GROUP 2 OPERATE TEST 26 4324 7300 CLA CLL 4325 1045 TAD K2000 /AC=2000 LINK=0 4326 7669 CLA SZA SNL /TEST COMBINATION 4327 7440 SZA 4330 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 HLT /SMA SZA SNL SHOULD HAVE SKIPPED /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 HLT /SMA SZA SNL SHOULD HAVE SKIPPED /AC=4999 LINK=9 /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 7402 /SMA SZA SNL SHOULD NOT HAVE HLT /SKIPPED. AC=3777 LINK=0 /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 BODD 4354 7440 SZA 4355 7402 /AC NOT ZERO AFTER CLA SMA SZA SNL HLT /AC SHOULD BE ØØØØ LINK=Ø /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 HLT /CLA SMA SZA SNL DID NOT SKIP /AC SHOULD BE 0000 LINK=1 4362 7440 SZA 4363 7402 HLT /CLA SMA SZA SNL DID NOT CLEAR AC /AC SHOULD EQUAL 0000 LINK=1 /GROUP 2 OPERATE TEST 33

CLA CLL

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                                                                9-JUN-71
                                                                                16:26 PAGE 1-56
                                                        /AC=4000 LINK=0
          4365 1050
                                TAD K4000
                                CLA SMA SZA SNL /TEST COMBINATION
          4366 7760
                                                /CLA SMA SZA SNL SHOULD HAVE SKIPPED
          4367 7482
                                HLT
                                                /AC SHOULD BE ØØØØ. LINK≖Ø
          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=0
          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
          4377 7300
                                CLA CLL
                                                /TEST INSTRUCTION
          4400 7410
                                SKP
          4481 7482
                                                /SKIP FAILED
                                HLT
                                                /AC AND LINK EQUAL ZERO
                        /GROUP 2 OPERATE TEST 36
                                                /AC=0000 LINK=1
          4402 7320
                                CLA CLL CML
                                                /TEST INSTRUCTION
          4403
               7410
                                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
                                                ITEST INSTRUCTION
          4407 7410
                                SKP
          4418 7482
                                HLT
                                                /SKIP FAILED
                                                /AC=3777 LINK=1
                        /GROUP 2 OPERATE TEST 38
          4411 7300
                                CLA CLL
                                TAD K3777
                                                        /AC=3777 LINK=Ø
          4412 1866
                                                /TEST INSTRUCTION
          4413 7410
                                SKP
                                                /SKIP FAILED
          4414 7482
                                HLT
                                                /AC=3777 LINK=Ø
                        /GROUP 2 OPERATE TEST 39
          4415 7200
                                CLA
          4416 1866
                                TAD K3777
                                                        /AC=3777
                                CLA SPA
                                                ITEST COMBINATION
          4417 7718
                                                /CLA SPA DID NOT SKIP. AC
          4420 7402
                                HLT
                                                /SHOULD BE ZERO
          4421 7440
                                SZA
                                                /CLA SPA DID NOT CLEAR AC
          4422 7402
                                HLT
                                                /AC SHOULD EQUAL ZERO
                        /GROUP 2 OPERATE TEST 40
          4423 7200
                                CLA
                                TAD K4000
                                                        /AC=4000
          4424 1050
                                CLA SPA
          4425 7710
                                                /TEST COMBINATION
          4426 7440
                                SZA
          4427 7482
                                                /CLA SPA FAILED, AC SHOULD
                                HLT
                                                /EQUAL 0000
                        /GROUP 2 OPERATE TEST 41
```

/PDF-8/E	INSTRU	CTION	TEST	1	MAIND	EC-BE-	-DEAB	PAL1Ø	V141	NUL-9	-71		16:26	PAGE	1-57
	4430	7240			CLA	CMA		/AC=77	77						
	4431	7650			CLA	SNA		/TEST	COMBINAT	ION					
	4432	7482			HLT			/CLA S	NA DID N	OT SKIP					
					· ·			/AC SH	OULD BE	0000					
			/G	ROUF	2 OP	ERATE	TEST								
	4433	7200			CLA			/AC=00	00						
	4434	7650			CLA	SNA		/TEST	COMBINAT	ION					
	4435	7440			SZA										
	4436	7402			HLT			/CLA S	NA FAILE	Ö					
								/AC SH	ONTO EGA	JAL 0000					
				DAUS		-047-									
	4497	B064	. /6	אטטא		-	TEST		a a						
	4437	7200			CLA			/AC=00	-	700 (40)	n .				
	4440	7550				SNA		/IESI	COMBINAT	TUN CAN	, נ				
	4441	7440			SZA			4004.0							
	4442	7402			HLT				NA SKIPP	'EU					
						:		/AC=00	99						
			/G	KOUP			TEST	44							
	4443	7200			CLA		_		445	. 7 -					
	4444	1066				K3777	7		/AC=37		~ .				
	4445	7550				SNA			COMBINAT						
	4446	7482			HLT			/SPA 5	NA FAILE 77	.U 10 SK	114				
			/G	ROUP	2 OP	ERATE	TEST	45							
	4447	7200			CLA										
	4450	1050				K4009	ð		/AC=48	100					
	4451	7550			SPA	SNA		/TEST	COMBINAT	TON CAN	0)				
	4452	7450			SNA										
	4453	7402			HLT			/SPA S	NA SKIPP	ED.					
		•						/AC=49	00						
			/G	ROUP	2 OP	ERATE	TEST	46							
	4454	7200			CLA			/AC=08	Ø Ø						
	4455	7750				SPA S	SNA	/TEST	COMBINAT	ION (AN	D)				
	4456	7448			SZA										
	4497	7482			HLT			/CLA S	PA SNA F	AILED.					
									OULD BE						
			/G	ROUP	2 OP	ERATE	TEST	47	-						
	4460	7200			CLA										
•	4461	1966				K3777	7		/AC=37	777					
	4462	7750				SPA S		/TEST	COMBINAT	TON CAN	D)				
	4463	7402			HLT			/CLA S	PA SNA D	TON OIC	SKIP				
		··· 	-					/AC SH	OULD BE	0000					
	4464	7440			SZA										
	4465				HLT			/CLA S	PA SNA D	ID NOT	CLEAR	THE	AC		
									OULD EQL						
			/G	ROUF	2 09	ERATE	TEST								
	4466	7200	. •		CLA										
	4467	1050			TAD	K4006	Ø		/AC=42	900					
	4470	7750				SPA		/TEST	COMBINAT	_	D)				
	4471	7440			SZA										
	4472	7402			HLT			/CLA S	PA SNA F	AILED					
	, -				,, may '				OULD EGL						
								311							

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/INSTRUCTION TEST - TAPE 4
               /GROUP 2 OPERATE TEST 49
 4473 7300
                       CLA CLL
 4474 1070
                       TAD K5252
                                               /AC=5252 LINK=0
 4475 7630
                       CLA SZL
                                       /TEST COMBINATION
 4476 7402
                       HLT
                                       /CLA SZL DID NOT SKIP
                                       /AC AND LINK SHOULD BE Ø
 4477 7440
                       SZA
 4500 7402
                       HLT
                                       /CLA SEL DID NOT CLEAR AC
                                       /AC SHOULD BE ZERO. LINK##
               /GROUP 2 OPERATE TEST 50
 4501 7360
                       CLA CLL CML CMA /AC=7777 LINK=1
 4502 7630
                       CLA SZL
                                       /TEST COMBINATION (AND)
 4503 7440
                       SZA
 4504 7402
                       HLT
                                       /CLA SZL FAILED. AC SHOULD
                                       /BE 0000. LINK=1
               /GROUP 2 OPERATE TEST 51
 4505 7300
                       CLA CLL
4506 1066
                       TAD K3777
                                               /AC=3777 LINK=Ø
4597 7530
                       SPA SZL
                                       /TEST COMBINATION (AND)
4510 7402
                       HLT
                                       /SPA SEL DID NOT SKIP
                                       /AC=3777 LINK=Ø
               /GROUP 2 OPERATE TEST 52
4511 7320
                       CLA CLL CML
4512 1066
                       TAD K3777
                                               /AC=3777 LINK=1
4513 7530
                       SPA SZL
                                       /TEST COMBINATION (AND)
4514 7450
                       SNA
4515 7482
                       HLT
                                       /SPA SEL SKIPPED
                                       /AC=3777 LINK=1
              /GROUP 2 OPERATE TEST 53
4516 7300
                      CLA CLL
4517 1050
                      TAD K4000
                                               /AC=4000 LINK-8
4528 7538
                      SPA SZL
                                       /TEST COMBINATION (AND)
4521 7500
                      SMA
4522 7482
                      HLT
                                       /SPA SZL SKIPPED
                                       /AC=4888 LINK=8
              /GROUP 2 OPERATE TEST 54
4523 7300
                      CLA CLL
4524 1066
                      TAD K3777
                                              /AC=3777 LINK=Ø
4525 7730
                      CLA SPA SEL
                                      /TEST COMBINATION (AND)
4526 7402
                      HLT
                                      /CLA SPA SEL SHOULD HAVE SKIPPED
                                      /AC SHOULD BE 0000. LINK#0
4527 7440
                      SZA
4530 7402
                      HLT
                                      /CLA SPA SEL DID NOT CLEAR THE AC
                                      /AC SHOULD BE 0000
              /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-DØAB PAL10 V141 9-JUN-71
         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
                                                     /AC=4000 LINK=0
          4537 1050
                               TAD K4000
          4540 7730
                                              /TEST COMBINATION (AND)
                               CLA SPA SEL
          4541 7440
                               SZA
         4542 7482
                                              /CLA SPA SEL FAILED
                               HLT
                                              /AC SHOULD EQUAL 8888 LINK=8
                       /GROUP 2 OPERATE TEST 57
          4543 7300
                               CLA CLL
          4544 1050
                               TAD K4888
                                                     /AC=4000 LINK=0
         4545 7478
                               SNA SZL
                                              /TEST COMBINATION (AND)
                                              /SNA SZL DID NOT SKIP
                               HLT
          4546 7482
                                              /AC = 4000 LINK=0
                       /GROUP 2 OPERATE TEST 58
          4547 7320
                               CLA CLL CML
         4550 1050
                                                     /AC=4000 LINK=1
                               TAD K4000
                                              /TEST COMBINATION (AND)
          4551 7470
                               SNA SZL
          4552 7420
                               SNL
                                              /SNA SZL SKIPPED
          4553 7402
                               HLT
                                              /AC-4000 LINK=1
                       /GROUP 2 OPERATE TEST 59
          4554 7300
                                              /AC=0000 LINK=0
                               CLA CLL
                                              /TEST COMBINATION (AND)
          4555 7470
                               SNA SZL
          4556 7439
                               SZL
         4557 7492
                                              /SNA SZL SKIPPED
                               HLT
                                              /AC=0000 LINK=0
                       /GROUP 2 OPERATE TEST 60
         4569 7328
                               CLA CLL CML
                                                     /AC=4000 LINK=1
          4561 1959
                               TAD K4888
                               CLA SNA SEL
                                              /TEST COMBINATION (AND)
          4562 7678
          4563 7440
                               SZA
                                              /CLA SNA SEL FAILED. AC SHOULD
          4564 7482
                               HLT
                                              /BE 0000. LINK=1
```

	1	/GROUP 2 OPERATE TEST	61
4545	7390	CLA CLL	
	1050	TAD K4888	/AC=4000 LINK=0
	7670	CLA SNA SEL	/TEST COMBINATION (AND)
4570	7482	HLT	/CLA SNA SEL DID NOT SKIP
73/6	/ 452	n , i	/AC SHOULD BE 0000. LINK=0
4571	7448	SZA	
4572	7402	HLT	/CLA SNA SEL DID NOT CLEAR AC /AC AND LINK SHOULD BE ZERO
		/GROUP 2 OPERATE TEST	
4573	7390	CLA CLL	/AC=0000 LINK=0
	7670	CLA SNA SEL	/TEST COMBINATION (AND)
, .	7440	SZA	
4576	7482	HLT.	/CLA SNA SEL FAILED. AC SHOULD /BE 0000, LINK=0
		/GROUP 2 OPERATE TEST	63
4577	7300	CLA CLL	

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/PDP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                                                               9-JUN-71
                                                                               16:26 PAGE 1-60
                                TAD K3777
                                                       /AC-3777 LINK=0
          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
          4605 7570
                                SPA SNA SZL
                                                       /TEST COMBINATION (AND)
          4606 7420
                                SNL
                                                /SPA SNA SZL SKIPPED
          4607 7402
                                HLT
                                               /AC=3777 LINK=1
                        /GROUP 2 OPERATE TEST 65
          4610 7300
                                               /AC=0000 LINK=0
                                CLA CLL
                                               ITEST COMBINATION (AND)
          4611 7570
                                SPA SNA SZL
          4612 7430
                                SZL
                                                /SPA SNA SZL SKIPPED
          4613 7482
                                HLT
                                               /AC=0000 LINK=0
                       /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
                                SZL
                                                /SPA SNA SEL SKIPPED
                                HLT
          4620 7402
                                                /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
         4625 7448
                                AS2.
                                                /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
                                                       /AC=3777 LINK=1
         4638 1866
                                TAD K3777
                                CLA SPA SNA SEL /TEST COMBINATION (AND)
         4631 7770
         4632 7440
                                SZA
                                                /CLA SPA SNA SZL FAILED. AC SHOULD
                                HLT
          4633 7402
                                                /BE ØØØØ. LINK SHOULD EQUAL ONE
                       /GROUP 2 OPERATE TEST 69
         4634 7300
                               CLA CLL
                                                       /AC=4000 LINK=0
         4635 1050
                                TAD K4000
                                CLA SPA SNA SZL /TEST COMBINATION (AND)
         4636
               7770
         4637 7440
                                SZA
                                                /CLA SPA SNA SEL FAILED. AC SHOULD
         4648 7482
                                HLT
                                               /BE 0000. LINK SHOULD EQUAL ZERO
                       /GROUP 2 OPERATE TEST 70
                                               /AC=0000 LINK=0
         4641 7300
                                CLA CLL
                                CLA SPA SNA SEL /TEST COMBINATION (AND)
         4642 7770
         4643 7440
                                SZA
                                               /CLA SPA SNA SZL FAILED. AC AND
```

HLT

```
/LINK SHOULD BE ZERO.
               /GROUP 2 OPERATE TEST 71
 4645 7280
                       CLA
 4646
      1070
                       TAD K5252
                                                /AC=5252
 4647 7624
                       CLA OSR
                                        /TEST COMBINATION
 4650 7040
                       CMA
 4651 7440.
                       SZA
 4652 7482
                       HLT
                                       /CLA OSR FAILED
                                       /AC SHOULD BE 0000
               /GROUP 2 OPERATE TEST 72
      7200
 4653
                       CLA
 4654
      1050
                       TAD K4000
                                                /AC=4000
4699 7584
                       SMA OSR
                                       /TEST COMBINATION
4656
     7482
                       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
      7200
4662
                       CLA
                                       /AC=0000
4663 7444
                       SZA OSR
                                       /TEST COMBINATION
4664 7482
                                       /SZA OSR FAILED TO SKIP
                       HLT
                                       /AC SHOULD BE 0000
4665 7040
                       CMA
4666 7440
                       SZA
4667 7402
                                       /SZA OSR FAILED.
                       HLT
                                       /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 7402
                       HLT
                                       /SNL OSR FAILED.
                                       /AC SHOULD BE 0000
              /GROUP 2 OPERATE TEST 75
4676
     7300
                       CLA CLL
      1966
4677
                       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#Ø
4703 7040
                      CMA -
4704 7440
                      SZA
4705 7402
                      HLT
                                       /CLA SMA SZA SNL OSR FAILED
                                       /AC SHOULD EQUAL ZERO
              /GROUP 2 OPERATE TEST 76
4706 7200
                      CLA
                                       /AC=9999
4707 7414
                      SKP OSR
                                       /TEST COMBINATION
4710 7402
                      HLT
                                       /SKP OSR DID NOT SKIP
```

/AC SHOULD BE 7777

```
/PUP-8/E INSTRUCTION TEST 1 MAINDEC-8E-DØAB PAL10 V141
                                                                9-JUN-71
                                                                                16:26 PAGE 1-62
          4711 7040
                                CMA
          4712 7440
                                SZA
          4713 7402
                                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
         4720 7440
                                SZA
         4721 7482
                                HLT
                                                /SPA OSR FAILED.
                                                /AC SHOULD BE 0000
                       /GROUP 2 OPERATE TEST 78
         4722 7200
                               CLA
         4723 1040
                               TAD KØ4ØØ
                                                       /AC=0400
         4724 7454
                               SNA OSR
                                               /TEST COMBINATION
         4725 7482
                               HLT
                                               /SNA OSR DID NOT SKIP
                                               /AC SHOULD BE 7777
         4726 7949
                               CMA
         4727 7440
                               SZA
         4730 7482
                               HLT
                                               /SNA OSR FAILED
                                               /AC SHOULD BE 0000
                       /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 BOSS
                       /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 7402
                               HLT
                                               /CLA SPA SNA SZL OSR FAILED
                                               /AC SHOULD BE 0000
                      /MQ OPERATE TEST 1
        4746 7360
                              CLA CMA CLL CML
                                                      /AC=7777 LINK=1
        4747 7621
                              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
```

/PDP-8/E	INSTR	UCTION	TEST	1 MAIN	DEC-8E-DØAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-	-63
	4754			NO	PE .		/AC=77	77 L=1 (NOP)			
	4755	7040		CM			,,,,	, r-1 (40b)			
	4756	7430		SZI							
	4757	7440		SZ							
	4760	7402		HL1			17404 0	5.11.5D			
	-	_			•		/7401 F	AILEU			
	47/4	9740	/MQ		TEST 3						
	4761	_		CLA	CMA CLL CML		/AC=777	77 LINK=1			
	4762	7421		MQL			/AC=008	0 LINK=1			
	4763	7430		SZL	•						
	4764	7440		SZA							
	4765	7482		HLT			/MQL DI	D NOT CLEAR AC	;		
			/MQ	OPERATE	TEST 4						
	4766	7300			CLL						
	4767	7421		MOL			/M0=000	0. AC=0000			
	477Ø	7949		CMA			/AC=777				
	4771	7501		MQA							
	4772	7040		CMA			/AC=000	7, MQ=0000			
	4773	7420		SNL			/ AC-800	טי			
	4774	7440		SZA							
	4775	7482		HLT			/MD 010	NOT COUL SEE	a an		
•			440				Aug DIO	NOT EQUAL 000	D DR MQA	FAILED	
	4776	7340	/ m G		TEST 5						
	4777	7421			CMA CLL						
	5000	7501		MQL				7, AC=0000			
	5001	7040		MQA			/AC=777	7, MQ=7777			
	5002	7428		CMA							
	5003	7440		SNL							
	5004	7482		SZA							
	7007	/ 442		HLT			/MG DID	NOT EQUAL 777	7 OR MQA	AILED	
	5085	7681	≠HQ	OPERATE			_				
	5006			CLA			/CLEAR	AC"			
	5007	1070 7421			K5252						
	5010			MQL			/MQ=525	2, AC=0000			
		1071			K2525						
	5011	7581		MQA			/AC=777	7, MQ=5252			
	5012	7040		CMA							
	5013	7440		SZA							
	5014	7482		HLT			/MQ DID	NOT EQUAL 525	OR MQA F	AILED	
			/MQ	DPERATE	TEST 7						
	5015	7360			CMA CLL CML						
	5016	7421		MQL			/MG=7773	7, AC=0000			
	5017	7040		CMA			/AC=7777				
	5020			CAM				MQ.=0000			
	5021	7440		SZA			AND MILE	משששי • איוו			
	5022			HLT			AAC CHOL	11 D COLLA: 0500			
	5023			MQA				JLD EQUAL 0000			
	5024			SZL			/ 40~880€	5. MQ=0000			
	5025			SZA							
	5026						484W B				
				HLT			/CAM DID	NOT CLEAR MO			
							ANK FINK	WAS GLEARED			

		/MG OPERATE TEST 8	
5027	7621	CLAE	/CLEAR AC
5030	7421	MQL	/MG=0000 AC=0000
5031	7040	CMA	
	7701	ACL	/AC=0000 MQ=0000
5033	7440	SZA	·
	7482	HLT	ACL FAILED
5035	7501	MQA	/AC=0000 MQ=0000
5036	7440	SZA	
5037	7482	HLT	/MG SHOULD EQUAL ØØØØ
		440 4050445 7554 0	
E 0 4 0	7240	/MQ OPERATE TEST 9 CLA CMA	
5040 5041	7421	MQL	/MQ=7777 AC=0000
5042	7701	ACL	/AC=7777 MQ=7777
5043	7040	CMA	/ NO= / / / / / / / / / / / / / / / / / / /
5044	7440	SZA	
5045	7462	HLT	/ACL FAILED
5046	7521	MQA	/AC=7777, MQ=7777
5047		CMA	, , , , , , , , , , , , , , , , , , ,
	7440	SZA	
5051	7482	HLT	/MQ SHOULD EQUAL 7777
		/MQ OPERATE TEST 10	
5052	7601	CLAE	/CLEAR AC
5053	1070	TAD K5252	
5054	7421	MQL	/MQ=5252 AC=0000
5055	1071	TAD K2525	
5056	7701	ACL	/AC=5252 MQ=5252
5057	1071	TAD K2525	
	7040	CMA	
5061	7440	SZA	ALC: ELLED
5062	7402	HLT	/ACL FAILED /AC=5252 MQ=5252
5063	7501	MQA	/AU-3232 MU-3232
5064 5065	1071 7040	TAD K2525 Cma	
	7440	SZA	
5Ø67		HLT	/MQ SHOULD EQUAL 5252
2007	, ,	77 i g. 1	Aug Ollogon Edvan Ana
		/MQ OPERATE TEST 11	
5070	7601	CLAE .	/CLEAR AC
5071	1071	TAD K2525	
5072	7421	MQL	/MQ=2525 AC=0000
5073	1070	TAD K5252	
5074	7701	ACL	/AC=2525 MQ=2525
5075	1070	TAD K5252	
5076	7040	CMA	
5077	7440	SZA	
5100	7402	HLT	ACL FAILED
5101	7501	MQA	/AC=2525 MQ=2525
5102	1070	TAD K5252	
5103	7040	CMA	
5104 5105	744Ø 7402	SZA HLT	/MQ SHOULD EQUAL 2525
		W 1 1	てのは ちゃいけい とはじまし グラクラ

		/MQ OPERATE TEST 12	
	B (D)		/MQ=0000 AC=0000
5106	7621	CAM	
	7840	CMA	/AC=7777
	7521	SWP	/MQ=7777 AC=0000
5111	7440	SZA	
5112	7482	HLT	/AC SHOULD EQUAL ØØØØ
5113	7701	ACL	/AC=7777 MQ=7777
5114	7040	CMA	
5115	7440	SZA	
	7402	HLT	/MG SHOULD EQUAL 7777
7110	, ,	, , , , , , , , , , , , , , , , , , ,	
		/MQ OPERATE TEST 13	
R:117	7621	CAM	/MQ=6000 AC=6000
	7040	CMA	, ile perp ne sass
	7421	= ·	/MQ=7777 AC=0000
		MQL	
	7521	SWP	/MQ=0000 AC=7777
	7040	CMA	
	7440	SZA	
	7482	HLT	
	7781	ACL	/AC=0000 MQ=0000
5127		SZA	
5130	7402	HLT	/MQ SHOULD EQUAL DEED
		/MQ OPERATE TEST 14	
5131	7621	CAM	/MQ=0000 AC=0000
	1070	TAD K5252	
	7421	MOL	/MQ=5252 AC=0000
	1071	TAD K2525	Alle Ser Mor ways
	7521	SHP	/MQ=2525 AC=5252
	1071	TAD K2525	1118-E-27 NO-2222
	7940		
		CMA	
	7440	SZA	ACID FATEER
	7402	HLT	/SWP FAILED
	7701	ACL	/AC=2525 MQ=2525
5143		TAD K5252	
_	7040	CMA	
	7440	SZA	
5146	7402	HLT	/SWP FAILED MQ SHOULD EQUAL 2525
		/MQ OPERATE TEST 15	
	7621	CAM	/MQ=0000 AC=0000
5150	1071	TAD K2525	
5151	7421	MQL	/MQ=2525 AC=0000
	1979	TAD K5252	/AC=5252
5153	7521	SWP	/MQ=5252 AC=2525
	1070	TAD K5252	
5155	7040	CMA	
5156	7440	SZA	
5157	7402	HLT	/SWP FAILED
			/AC=5252 MQ=5252
5160	7701	ACL	/AU-DE/4 MU-J494
5161	1071	TAD K2525	
5162	7040	CMA	
5163	7440	SZA	

/PDP-8/E	INSTRUC	TION	TEST 1 MAINDEC-8E-DØAB	PAL10 V141 9-JUN-71 16:26 PAGE 1-66
	5164	7402	HLT	/SWP FAILED MQ SHOULD EQUAL 5252
			/MQ OPERATE TEST 16	
	5165	7621	CAM	/MQ=0000 AC=0000
		7040	CMA	/AC=7777
		7721	CLAE SWP	/AC=0000 MQ=0000
		7440		AC-DDD HG-DDDD
			SZA	/CLAE SWP FAILED AC SHOULD EQUAL 8000
		7402	HLT	/AC=0000 MQ=0000
		7701	ACL	AC-ARAM UM-RAMA
		7440	SZA	/CLAE SWP FAILED MQ SHOULD EQUAL 0000
	5174	7402	HLT	LOCKE ONL LYICED MM SHOOFD EMONE BRAN
			/MQ OPERATE TEST 17	
	5175	7621	CAM	/MQ=0000 AC=0000
		7040	CMA	
		7421	MQL	/MQ=7777 AC=0000
		7721	CLAE SWP	/AC=7777 MQ=0000
	5201	7040	CMA	,
		7440	SZA	
		7402	HLŤ	/CLAE SWP FAILED
		7701	ÄCL	/AC=0000 MQ=0000
		7440	SZA	
		7402	HLT	/CLAE SWP FAILED MG SHOULD EQUAL 0000
	2200		_	
	_		/MQ OPERATE TEST 18	
		7621	CAM	/MQ=0000 AC=0000
		1071	TAD K2525	
		7421	MQL	/MG=2525 MQ=0000
	5212	1070	TAD K5252	/AC=5252
		7721	CLAE SWP	/AC=2525 MO=0000
		1070	TAD K5252	
		7040	CMA	
		7440	SZA	
		7402	HLT	/CLAE FAILED
		7701	ACL	/AC=0000 MQ=0000
		7440	SZÁ	
	5222	7402	HLT	/CLAE FAILED MG SHOULD EQUAL 0000
			/AND TEST 1	
	5223	7280	CLA	
	5223	0067	AND K7777	
		7440	SZA	
		7402	HLT	/AND FAILED AC SHOULD
	9220	/ 402		/BE ØØØØ
			/AND TEST 2	
	5227	7240	CLA CMA	
	5230	0020	AND KØØØØ	
	5231	7440	SZA	
	5232	7402	HLT	/AND FAILED
				/AC SHOULD EQUAL 0000
			/AND TEST 3	
	5233	752Ø	CLA CLL CML	

/PDP-8/E	INSTRU	CTION	TEST 1	MAIND	EC-8E-DBAB	PAL10	V141	9-JUN-71	16:26	PAGE 1-67
	5234	1067		TAD	K7777		/AC=77	77 LINK=1		
	5235	2867			. K7777		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	5236	7040		CMA						
	5237	7430		SZL						
	5240	7440		SZA						
	5241	7482		HLT				C SHOULD BE OULD EQUAL ONE		
			/AND	TEST 4						
	5242	7300		CLA	CLL			0= 1 = 1117		
	5243	1071			K2525		/AC=25	25 LINK=0		
	5244	9979			K5252					
	5245	7420		SNL						
	5246	744Ø 7422	•	SZA		JAND E	TIED A	C SHOULD BE		
	5247	7452		HLT				OULD BE 0		
	5 0 E A	7320	ZAND	TEST 5	C1 1					
	5250 5251	1070			CLL K5252		/AC=52	52 LINK=Ø		
	5252	9971			K2525		/ 40-25	2 C1444-2		
	5253	7420		SNL	NEVEN					
	5254	7440		SEA						
	5255	7402		HLT				AC SHOULD BE OULD BE Ø		
			/AND	TEST 6						
	5256	7360	/ AITO		CLL					
	5257	1052			K7776		/AC=77	76 LINK=0		
	5260	0070			K5252			INSTRUCTION		
	5261	7041		CIA	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/AC=25				
	5242	1070			K52 52			00 LINK=1		
	9243	7430		SZL	,					
	5264	7448		SZA						
	5265	7492		HLT				AC SHOULD BE OULD BE ONE		
			/AND	TEST 7						
	5266	7300			CLL		444.65	0.0		
	5267	1071			K2525			25 LINK=0		
	5270	0071			K2525	140-50		INSTRUCTION		
	5271	7041		CIA	LOSAF	/AC=52		99 LINK = 1		
	5272	1071			K2525		AMAMA	AB FIAN . I		
	5273	7430		SEL						
	5274	7482		SZA HLT		ZAND F	ATLED.	AC SHOULD BE		
	92/9	7422		nu i				OULD BE ONE.		
			/CHE	CK FOR						
	5276	728Ø		CLA						
	5277	1121			BLCNT					
	5300	7001		IAC						
	5301	3121			BLCNT					
	5302	1121			BLCNT					
	5303	7640			CLA					
	5304	5147			START+3					
	5305	1122		TAD	BLCON					

FUF -0/E	THOU TON TH		-31	T MÁTMA	MAINNEC-OF-DAMP		A741	9-JUN-71	16:26	PAGE 1-68
	5306	3121		DCA	BLCNT					
			/RI	NG BELL						
	5307	1120			BEL					
	5310	6046		TLS						
	5311	6041		TSF						
	5312	5311		JMP	1					
	5313			TCF	• •					
	5314	5147		-	START+3					

000	0 11111111	10203003	1444444	4444444					
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1600	11111111	4114444	444444						
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				•					
2000		11111111	11111111	11111111	11111111	11111111	41414444	444444	
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2200	11111111	11111111	11111111	1114444	4444444				
2300	11111111	11111111		11111111	11111111	11111111	11111111	11111111	
		111111	11111111	11111111	11111111	11111111	11111111	11111111	
2400									
2500		11111111	11111111	11111111	11111111	11111111	11111111	11111111	
2200	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111	
0.00		•					******	******	
2600	11111111	11111111	11111111	11111111	11111111	11111111	4444444	444444	
2700	11111111	11111111	11111111	11111111	11111111		11111111	11111111	
		, <b></b>		****	1111111	11111111	11111111	11111111	
3000	11111111	4444444							
3100	1111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111	
-100	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111	
3200						_			
	11111111	11111111	11111111	11111111	11111111	11111111	11111111	11111111	
3300	11111111	11111111	11111111	1111111	11111111	11111111	11111111		
- 41							*******	11111111	
3400	11111111	11111111	11111111	11111111	11111111	4444414	4444444		
3500	11111111	11111111	11111111			11111111	11111111	1111111	
				11111111	11111111	11111111	11111111	11111111	
3600	11111111	4114444	4444444						
3700		11111111	11111111	11111111	11111111	11111111	11111111	11111111	
3700	11111111	1111111	11111111	11111111	11111111	11111111	11111111	11111111	

0144

7521

NOPE

SWP

START

KØ377

KØ4ØØ

K8778

KØ777

K1888

K1234 K14

K140

K1400

K1777 K2000

K2525

K2552

K3

K38

K388

K3000

K3312

K3777

K4000

K5225

K5252

K5777

K6 K60 0110

0040

0116

0111 0042

0043

0027

0035

8844 8112

0045

0071

0115

0023

0031

0037

0046

0047

0066

0050

0114

0070

0065 0025

0033

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ERRORS DETECTED: 0

LINKS GENERATED: 2

RUN-TIME: 30 SECONDS

2K CORE USED