IDENTIFICATION

PRODUCT CODE:

MAINDEC-8E-DØBB

PRODUCT NAME:

PDP-8/E INSTRUCTION TEST 2

DATE CREATED:

JUNE 18, 1971

MAINTAINERS

DIAGNOSTIC GROUP

AUTHORE

ED-FORTMILLER



1. ABSTRACT

THIS PROGRAM IS AN EXTENSIVE TEST OF AUTOINDEXING, INDIRECT ADDRESSING, AND THE DCA INSTRUCTION FOR THE PDP-8/E. IT ALSO OFFERS MINIMAL TESTING FOR INTERRUPT AND THE AND, TAD, ISZ, JMS, JMP, AND PROCESSOR IOT INSTRUCTIONS.

- 2. REQUIREMENTS
- 2.1 EQUIPMENT

PDP-8/E EQUIPPED WITH TELETYPE

2.2 STORAGE

THE PROGRAM OCCUPIES MEMORY LOCATIONS 8888-4416.
THE BINARY LOADER MUST BE STORED IN THE LAST MEMORY PAGE.

2.3 PRELIMINARY PROGRAMS

IT IS ASSUMED THAT MAINDEC-BE-DØA(N) HAS BEEN RUN SUCCESSFULLY.

- 3. LOADING PROCEDURE
- 3.1 METHOD

THE STANDARD BINARY LOADER IS USED.

- 4. STARTING PROCEDURE
- 4.1 CONTROL SWITCH SETTINGS (NONE)
- 4.2 STARTING ADDRESS

- 4.3 OPERATOR ACTION
 - A. SET THE SHITCH REGISTER TO 200. PRESS LOAD ADDRESS.
 - B. PUSH CLEAR AND THEN CONTINUE. A PROGRAMMED HALT OCCURS WHEN 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 PRECEDING THE HLT WITH A JMP TO THE BEGINNING OF THE TEST.

7. RESTRICTIONS

ALL PERIPHERAL DEVICES MUST BE FUNCTIONING TO A DEGREE THAT THE PROCESSOR CLEAR BUTTON WILL CLEAR THEIR FLAGS AND NO FLAGS WILL TURN ON UNLESS AUTHORIZED.

- 8. MISCELLANEOUS
- 8.1 EXECUTION TIME

THE TELETYPE BELL RINGS AT THE END OF 1550 PROGRAM PASSES WHICH IS APPROXIMATELY EVERY 5 SECONDS.

9. PROGRAM DESCRIPTION

THE PROGRAM IS A SERIES OF MANY SMALL INDIVIDUAL TEST. EACH TEST IS PERFORMED USING PREVIOUSLY CHECK FUNCTINS TO VALIDATE THE TEST. WHEN AN ERROR IS ENCOUNTERED, THE OPERATOR SHOULD INSERT A JUMP INSTRUCTION INTO MEMORY TO CAUSE THE PROGRAM TO LOOP ON THE FAILING TEST. THE PROBLEM CAN THEN BE FOUND BY USING THE OSCILLOSCOPE.

THE INDIVIDUAL PROGRAM TESTS ARE GROUPED INTO THE FOLLOWING CLASSIFICATIONS AND ARE PERFORMED IN THE ORDER SHOWN:

- 1. DCA TEST
- 2. INDIRECT ADDRESSING TEST
 - A. USING TAD
 - B. USING AND
- 3. AUTOINDEX TEST
 - A. USING AND
 - B. USING DCA
 - C. USING TAD
- 4. PROCESSOR IOT TEST
 - A. USING CAF
 - . USING SRO
 - C. USING SPF
 - D. USING KIE
 - E. USING SKON
 - F. USING ION
 - G. USING TOP
 - H. USING GTF
 - I. USING RTF
- S. INTERRUPT TEST
 - A. FOLLOWING NOP
 - R. FOLLOWING TAD
 - C. FOLLOWING AND
 - D. FOLLOWING DCA
 - E. FOLLOWING ISE
 - F. FOLLOWING JMP
 - G. FOLLOWING JMS
 - H. FOLLOWING CLA
 - I. FOLLOWING TSF
 - J. FOLLOWING SKP
 - K. FOLLOWING JMP I
- 6. CHECK FOR UNAUTHORIZED AUTOINDEXING

THE TELETYPE BELL RINGS APPROXIMATELY EVERY 5 SECONDS TO ASSURE THE OPERATOR THAT THE PROGRAM IS FUNCTIONING PROPERLY.

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```
/SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF
      6000
              3KON=6000
                                       /SKIP IF INTERRUPT REQUEST
              SRQ=6003
      6023
                                       /GET INTERRUPT FLAGS
      6024
              GTF=6004
                                       /RESTORE INTERRUPT FLAGS AND TURN INTERRUPT ON
      6005
              RTF=6005
                                       /CLEAR ALL FLAGS, AC, LINK, AND ENABLE TTY INTERRUPT F.F.
      6007
              CAF=6007
                                       /SET PRINTER FLAG
      6848
              SPF=6040
                                        /ENABLE TTY INTERRUPT F.F. WHEN AC 11 EQUALS A 1
      6035
              K1E=6035
                                       /SWAP BYTES IN AC
      7982
              BSW=7002
      6966
              ..
                                       /LOC #
      5000
9999
                       JMP 1
                                        /LOC 1
0001
      5081
                                       /LOC 2
      9992
                       2
5912
                                       /LOC 3
      6963
                       3
9983
      8887
              •7
8887
      5666
                       /CONSTANTS AND VARIABLES
              +29
      8828
     7777
              K7777, 7777
8928
              K$777, 3777
8821
      3777
6922
     5777
              K5777, 5777
              K6777, 6777
      6777
8823
5824
      7377
              K7377, 7377
              K7577.
                      7577
     7577
8825
      7677
              K7677,
                      7677
5626
                      7737
8827 7737
              K7737.
9839
     6888
              K7757, 7757
     7757
8031
     7767
              K7767,
                      7767
5032
                      7773
8633
     7773
              K7773.
              K7775.
                       7775
8834
     7775
                      7776
              K7776,
6835
     7776
      0000
              KS.
6836
8837
      1777
              K1777, 1777
              KØ777,
                       0777
      0777
0040
              KØ377,
                       0377
      0377
0041
      Ø177
              KØ177: Ø177
8842
              KØØ77.
0043
      0077
                       0077
      0037
              K0037,
                       0037
0044
              KØØ17,
                       0017
      0017
0045
              K0007.
                       0007
      9997
0046
                       0003
0047
      0003
              K0003,
                       Ø
0050
      0000
      0001
              KØØØ1,
                       0001
0051
              K4400.
                       4400
      4400
0052
      4577
              K4577,
                       4577
0053
              K2525,
                       2525
0054
      2525
```

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                                                                                    PAGE 1-1
                                                                            9:49
'E INSTRUCTION TEST 2 MAINDEC-BE-DØBB
                                           PAL10
         6666
                  K6666,
                          6666
   0055
   0056
          4444
                  K4444,
                          4444
          7070
                  K7070,
                          7070
   0057
          Ø707
                  KØ7Ø7,
                          0707
   0060
   0061
          5252
                  K5252,
                          5252
   0062 1111
                  K1111,
                         1111
         5555
                  K5555。
                          5555
   0063
         5200
                  K5200,
                          5200
   0064
         2004
                  K4.
                           4
   8865
          0110
                  *110
   0110 0000
                           Ø
          0172
                  #172
                                           /LOC 172
                  K176,
   6172 0176
                           176
   8173 8172
                  K172.
                           172
                                           1173
   8174 8173
                  K173.
                                           1174
                          173
                                           /175
   8175 8174
                  K174,
                          174
                                           /176
   8176 8175
                  K175,
                          175
                                           1177
   8177 1234
                  K1234, 1234
                  #288
          8288
                  /DCA TEST 1
         7200
                           CLA
         7418
                           SKP
   6281
                  TPB,
   8282
         8888
                           8
         1052
                           TAD K4488
   6263
         3377
                           DCA TP177
   8284
   8285 7448
                           SEA
                                           /DCA DID NOT CLEAR AC
   8286
         7482
                           HLT
        7418
                           SKP
   0287
         6000
   8218
                           TAD K4400
   8211
         1052
                                           /AC=-(4488)
   8212 7841
                           CIA
                          TAD TP177
   B213
         1377
   5214 744B
                           SEA
                                           VDCA FAILED
                           HLT
   8215 7482
                                           /AC SHOULD EQUAL BERO
                  /DCA TEST 2
   0216 7200
                           CLA
                           TAD K4577
   Ø217
         1053
                          DCA TPE
   8228 3282
                           SZA
   0221
         7440
                                           /DCA DID NOT CLEAR AC
                           HLT
         7482
   6222
                          TAD K4577
   0223 1053
                           CIA
   Ø224
         7841
                           TAD TPO
          1282
   Ø225
         7448
                           SZA
   Ø226
   B227 7482
                           HLT
                                           /DCA FAILED
```

/POP-B/E INSTRUCTION	TEST 2 MAINDEC-8E	-0888 PAL10	V141	10-JUN-71	9149	PAGE 1-2
		/AC SH	OULD EQU	AL ZERO		
	/DCA TEST 3					
0230 7200	CLA					
Ø2 31 1 Ø2Ø						
Ø232 3 202						
0233 7440		10C+ 0	ID NOT C	[m + D + A		
0234 7402 0235 1202			ID NOT C	LEAR AL		
Ø236 704Ø						
Ø237 7 44Ø						
0240 7402		/DCA F.	AILED OULD BE	ZERO		
	JOCA TEST 4					
0241 7200	CLA					
Ø242 1 036						
Ø243 3 202						
Ø244 744Ø	SZA		ID NOT C	LEAR AC		
Ø245 7 4 8 2						
0246 1202						
0247 7440 0250 7402		/DCA F	ONTO BE	2c3A		
Ø250 7492	HLT	, 20 5,11	0050 85			
	/DCA TEST 5					
Ø251 7 288	CLA					
0252 1054		25				
Ø253 3 202						
0254 7440						
0255 7402			ID NOT C	LEAR AC		
Ø256 1054		45				
Ø257 7041 Ø260 1202						
Ø261 744Ø						
8262 7482		/DCA F	AILED OULD BE	ZERO		
	/DCA TEST 6					
0243 7200	CLA				•	
Ø264 1055		66				
Ø265 3 202	DCA TPØ					
Ø2 6 6 744Ø						
0267 7402			ID NOT C	LEAR AC		
Ø27Ø 1Ø55 Ø271 7Ø41	TAD K66	00				
Ø271 7 04 1 Ø272 1 2 0 2						
Ø272 1202 Ø273 744Ø						
0274 7482		/DCA F		_		
		/AC SH	OULD BE	ZERO		

/DCA TEST 7 0275 7200 CLA 0276 1056 TAD K4444 0277 3377 DCA TP177 0300 7440 SZA	
0276 1056 TAD K4444 0277 3377 DCA TP177 0300 7440 SZA	
0276 1056 TAD K4444 0277 3377 DCA TP177 0300 7440 SZA	
0300 7440 SZA	
ATRA TARA III TO SANA ASA MAMBANA AN	
0301 7402 HLT /DCA DID NOT CLEAR AC	
0302 1056 TAD K4444	
0383 7041 CIA 0384 1377 TAD TP177	
0305 7440 SZA 0306 7402 HLT /DCA FAILED	
/AC SHOULD BE ZERO	
/DCA TEST 8	
Ø387 7200 CLA	
9310 1057 TAD K7070	
Ø311 3377 DCA TP177	
0312 7440 SEA	
8313 7482 HLT /DCA DID NOT CLEAR AC	
#314 1057 TAD K7070 #315 7041 CIA	
#315 7841 CIA #316 1377 TAD TP177	
8317 7448 SEA	
0328 7402 HLT /DCA FAILED	
/AC SHOULD BE ₹ERO	
/DCA TEST 9	
Ø321 728Ø CLA	
0322 1060 TAD K0707	
0323 3000 DCA 0	
0324 7440 SEA	
8325 7482 HLT /DCA DID NOT CLEAR AC 8326 1868 TAD K8787	
0326 1060 TAD K0707 0327 7041 CIA	
0330 1000 TAD 0	
Ø331 744Ø SEA	
8332 7402 HLT /DCA FAILED	
/AC SHOULD BE ₹ERO /DCA TEST 1Ø	
9333 7200 CLA	
0334 1061 TAD K5252 0335 3000 DCA 0	
0336 7440 SZA	
8337 7482 HLT /DCA DID NOT CLEAR AC	
0340 1061 TAD KB292	
0341 7041 CIA	
0342 1000 TAD 0	
0343 7440 SEA 0344 7402 HLT /DCA FATIED	
### ### ### ### #### #### ############	

/PDP-8/E	INŞTRU	CTION	TEST	2 1	MAINDEC	;-8E-0 98 B	PAL	.10	V141	10-JUN-71
			/(DCA '	TEST 11	•				
	Ø345 Ø346 Ø347	7200 1062 3000			DCA	K1111				
	Ø350 Ø351 Ø352	7440 7402 1062				к1111	\D (CA DI	D NOT	CLEAR AC
	0353 0354 0355 0356	7841 1888 7448 7482			CIA TAD SZA HLT	0		A FA		7-20
		,	/1	DCA '	TEST 12	?	/#0	SHO	ULD BE	ZERU
	Ø357 Ø360 Ø361	7200 1063 300 0			DCA	K5555				
	#362 #363 #364 #365	7449 7492 1863 7841			SEA HLT TAD CIA	K5555	100	CA 01	D NOT	CLEAR AC
	8346 #347 #378	1888 7448 7492			TAD SHA HLT			CA FA	ILEO OLD BE	ZENO
:										
	6371 6372 6373 6374 6375	7588 7888 7688 7688			NOP NOP NOP NOP					
	#376 #377	7418	Ti	P177	SKP					
		0409		400						:
			1	INDI	RECT A	DDRESSING	TEST	1		
	0490 0491 0492 0493	7288 1442 7841 1177			CIA TAD	I KØ177 K1234	/0	PERAI	VD=1234	
	0404 0405	7440			SZA HLT				NDIRECT	FAILED ZERO
			,	INDI	RECT A	DORESSING	TEST	2		
	Ø40 6 Ø4 0 7 Ø4 <u>1</u> 0	72 0 0 7410 0000			CLA SKP Ø					

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                                                                          9:49
                                                                                  PAGE 1-5
/E INSTRUCTION TEST 2 MAINDEC-8E+DØBB
                         TAD K7777
   8411 1829
                                          /OPERAND#1234
   8412 8442
                         AND 1 K0177
   0413 7041
                          CIA
   0414 1177
                          TAD K1234
   8415 7448
                         SZA
                                          /AND INDIRECT FAILED
   Ø416 7402
                         HLT
                                         /AC SHOULD BE ZERO
                  /INDIRECT ADDRESSING TEST 3
   9417 7288
                         CLA
         1020
                         TAD K7777
   8428
   8421 3888
                          DCA Ø
   8422 2436
                          ISE I KØ
                                          /ISE FAILED. NO SKIP
   8423 7482
                         HLT
   8424 1988
                          TAD Ø
   Ø425 744Ø
                         : SZA
                                          /ISZ INDIRECT FAILED
   8426 7482
                          HLT
                                          /AC SHOULD BE 0
                  /INDIRECT ADDRESSING TEST 4
   8427 7280
                          CLA
                                          /OPERAND=175
                          TAD I K176
         1572
   8438
         7841
   Ø431
                          CIA
                          TAD K175
   6432
         1176
         7448
                          SEA
   8433
         7482
                          HLT
                                          /TAD INDIRECT FAILED
   8434
                                          /AC SHOULD BE ZERO
                  /INDIRECT ADDRESSING TEST 5
        7298
                          CLA
   8435
                          TAD K7777
         1020
   8436
                                          /OPERAND=175
 . . 6437
         8572
                          AND I K176
   8448 7841
                          CIA
                          TAD K175
        1176
   8441
        7440
                                          /AND INDIRECT FAILED
   8442
                          SZA
                                          /AC SHOULD BE ZERO
   8443 7482
                          HLT
                  /INDIRECT ADDRESSING TEST 6
   0444 7200
                          CLA
   Ø445
         1172
                          TAD K176
   0446 3000
                          DCA Ø
   0447 2436
                          ISE I KØ
   0450 7410
                          SKP
                                          VISE SKIPPED ILLEGALLY
        7482
                          HLT
   0451
   0452 1000
                        . TAD Ø
   Ø493 7041
                          CIA
                          TAD K176
   0454 1172
   8455 7848
                          CMA
   Ø456 744Ø
                          SZA
                                          /DCA INDIRECT FAILED
                          HLT
   9457 7482
```

/PDY

/PDP-8/E	INSTRU	CTION	TEST 2	MAINDEC-6	E-0088	PAL10	V141	16-JUN-7:	L
						/AC SHO	ULD BE	ZERO	
			≠1N 0	IRECT ADDR	ESSING T	EST 7			
		-004	71.40						
	0460 0461	7200 1573		CLA TAD I	K172	/OPERAN	D=176		
	0462	7841		CIA					
	0463			TAD KI SZA	.76				
	8465	7440		HLT		/TAD IN			
				_		/AC SHO	ULD BE	ZERO	
			JIND	IRECT ADDR	ESSING 1	EST &			
	8466	7288		CLA					
	8467	1020		TAD K		40 2 584W	0-474		
	8478			AND I	4115	/OPERAN	0-7.0	÷	
	8472			TAD KI	76				
	8473	7448		384		/AND IN			
	8474	7482		HLT		780 380	OLD ME	-ENO	
			JIND	SRECT ADDA	EBBING 1	EST •			
	8475	7288		CLA					
	3476	1173		TAD KI	72				
	8477	3000		DGA 9	×a				
	8588 8581	2436 7418		SKP	~**				
	6582	7482		MLT		VISE SK	IPPED	ILLEGALLY	
	1513	1000		TAD S CIA					
	#5#4 #5#5	1173		TAD KI	72				
	8586	7848		CHA				÷	
	8587	7446		SEA HLT		/DCA IN	DIRECT	FAILED	
	8518	1466		7 b		/AC SHO			
		•	/1ND	IRECT ADDR	ESSING 1	TEST 18			
	8511	7280		GLA :					
	8512	1574			K173	/OPERAN	D=172		
	Ø513 Ø514			CIA TAD KI	72				
	0515	7440		SZA					
	Ø516			HLT		/TAD IN		FAILED	
						/AC SHU	יטבט פנ	ZENU	
		•	/IND	IRECT ADDR	RESSING	TEST 11			
	0517	7200		CLA					
		1020 0574		TAD K7		/OPERAN	D=172		
	Ø521 Ø522			CIA	117.18	, o. within			

```
-8/E INSTRUCTION TEST 2 MAINDEC-8E-DOBB
                                           PAL10
                                                            10-JUN-71
                                                                                    FAGE 1-7
     Ø523 1173
                           TAD K172
     Ø524 744Ø
                           SZA
                                           /AND INDIRECT FAILED
     Ø525 74Ø2
                           HLT
                                           /AC SHOULD BE ZERO
                   /INDIRECT ADDRESSING TEST 12
     0526 7200
                           CLA
     0527 1174
                           TAD K173
     0530 3000
                           DCA Ø
     Ø531 2436
                           ISE I KØ
     0532 7410
                           SKP
     0533 7402
                           HLT
                                           /ISE SKIPPED ILLEGALLY
     0534 1000
                           TAD Ø
    0535 7641
                           CIA
    0536 1174
                           TAD K173
    0537 7040
                           CMA
    9549 7449
                           SZA
    8541 7482
                           HLT
                                           /DCA INDIRECT FAILED
                                           /AC SHOULD BE ZERO
                  /INDIRECT ADDRESSING TEST 13
    8542
          7200
                           CLA
    8543
          1575
                           TAD 1 K174
                                           /OPERAND#173
    8544 7841
                          CIA
    8545 1174
                          TAD K173
    8546
         7440
                          SEA
    8547 7482
                          HLT
                                          /TAD INDIRECT FAILED
                                           /AC SHOULD BE ZERO
                  /INDIRECT ADDRESSING TEST 14
    8558
          7200
                          CLA
    #551
          1020
                          TAD K7777
    Ø552
         0575
                          AND | K174
                                          /OPERAND=173
         7841
    Ø553
                          CIA
    8554
          1174
                          TAD K173
          7440
    8555
                          SEA
                                          /AND INDIRECT FAILED
    9556 7402
                          HLT
                                          /AC SHOULD BE ZERO
                  /INDIRECT ADDRESSING TEST 15
   Ø557
         7200
                          CLA
   8568
          1175
                          TAD K174
   0561
         3000
                          DCA Ø
   5562
         2436
                          ISZ I KØ
   0563 7410
                          SKP
   8564 7482
                          HLT
                                          /ISE SKIPPED ILLEGALLY
   8565
         1000
                          TAD Ø
         7841
   Ø566
                          CIA
   0567
         1175
                          TAD K174
         7040
   6570
                          CMA
   8571 7448
```

/DCA INDIRECT FAILED

SEA

HLT

/PDP-8/E	INSTRU	CTION	TEST 2	MAINDE	C-8E-DØBB	PAL18	V141	19-JUN-71	9149	PAGE 1-8
						AC SH	DULD BE	ZERO		
	Ø573	5377		.IMP	.+4					
	Ø574	7000		NOP	•					
	Ø575	7888		NOP						
	Ø576	7000		NOP						
	0577	7000		NOP						
	D 2 7 .									
		9689	*690							
		8000	/INO	IRECT A	DORESSING	TEST 16				
	9699	7289		CLA						
	9681	1576			1 K175		/OPERA	IND=174		
	8682	7041		CIA						
	8683	1175			K174					
	6684	7448		SZA				5 · 4 · 55		
	8685	7482		HLT		/TAD I	NDIRECT OULD BE	FAILED ZERO		
			/AUT	O INDEX	TEST 1					
				4						
	8686	7200		CLA	u a	/CONST	ANT TO E	E INDEXED	•	
	9687	1936		TAD) CONST		P THOCKED		
	8618	3010		DCA	1 18		JDD AL	TO INDEX		
	5611	8418		TAD		٠	,,,,,		•	
	5612	1818			K7776		JAC SH	IOULD EQUAL 777	77	
	8613	1935		CMA	K///0		,,,,	, v v v v v v v v v v v v v v v v v v v	. •	
	8614	7440		SZA		/AC SH	OULD BE	ZERO	4	
	5615 5616	7482		HLT		AUTO	INDEX EF	ROR		
	BOTO	7. T.								
			/AUT	O INDEX	TEST 2					
	8617	7288		CLA						
	8628	1935		TAD	K7776		/CONS1	TANT TO BE INDI	EXED	
	#621	3010		DCA	16					
	#622	8418		AND	! 10		/DO AL	JTO INDEX		
	#623	1010		TAD	10					
	8624	1036		TAD	KB	/AC SH	OULD EOL	JAL 7777	,	
	6625	7040		CMA						
	8626	7448		SEA			OULD BE			
	Ø627	7482		HLT		/AUTO	INDEX EF	KKOR		
			/AUT	O INDEX	TEST 3					
	a / = 8	9200		mi A						
	0630	7200		CLA	K7775		/CONS	TANT TO BE INDE	EXED	
	Ø631	1034		DCA			, 44110		= - -	
	8632	3010			1 10		/00 At	JTO INDEX		
	0633			TAD			, 55 //			
	Ø634 Ø635	1010		TAD	K0001		/AC SI	HOULD EQUAL 77	77	
	Ø635	7848		CMA						
	Ø637			SZA		/AC SH	OULD BE	ZERO		
	Ø64Ø	7402		HLT			INDEX E			
	P (T D	,		La feet		· ·				

′(8/E INSTRUCTION	TEST 2 MAINDEC-8E-DØBB	PAL10 (\$1 10-JUN-71 9:49 PAGE 1-9
		/AUTO INDEX TEST 4	•
	Ø641 720Ø	CLA	
	0642 1033		ANATANE TA DE LUBEUMA
	0643 3010		/CONSTANT TO BE INDEXED
	0644 1410		AND AUTO INDEX
	0645 7200		/DO AUTO INDEX
	0646 1010		
	Ø647 1Ø47		AF CHOULD FAILL BOOK
	Ø65Ø 704Ø		/AC SHOULD EQUAL 7777
	0651 7440	SZĀ	/AC SHOULD BE ZERO
	0652 7402		/AUTO INDEX ERROR
		· · ·	AND THE ENGE
		/AUTO INDEX TEST 5	
	Ø653 720Ø	CLA	
	0654 1032	TAD K7767	ACRUSTANT TO DE TURBURA
	0655 3010	DCA 10	CONSTANT TO BE INDEXED
	8656 8418	AND I 10	AND AUTO TARRY
	0657 1010	TAD 10	/DO AUTO INDEX
	8668 1846	TAD KODO7	/AC SHOULD EQUAL 7777
	8661 7948	CMA	AA SHOULD EGUAL 7///
	Ø662 744Ø	SZÁ	/AC SHOULD BE ZERO
	Ø663 74 0 2	HLT	AUTO INDEX ERROR
		ANIBO INDOVIDED .	
		AUTO INDEX TEST 6	
	8664 7288	CLA	
	8645 1831	TAD K7757	ACONOTANT TO DE CONTINUE
	8666 3818	DCA 10	CONSTANT TO BE INDEXED
	8667 8418	AND I 10	/DO AUTO INDEX
	8678 1818	TAD 18	LAS MAIN THREY
	#671 1045	TAD KØ#17	/AC SHOULD EQUAL 7777
	9672 7049	CMA	THE CHACLE LEGAL 1111
	9 673 7449	SZA	/AC SHOULD BE ZERD
	8674 7492	HLT	AUTO INDEX ERROR
		AUTO INDEX TEST 7	
	6675 720g	ei A	
	8676 1827	CLA TAD K7737	ARRIOTANE DA DE ALE E
	0677 3010		CONSTANT TO BE INDEXED
	0700 0410	AND I 10	ARR AUTO CURRY
	0701 1010	TAD 18	/DO AUTO INDEX
	8782 1844	TÃD RØØ37	AF OHOUR POUL TROP
	0793 7040	CMA	/AC SHOULD EQUAL 7777
	0704 7440	SZĀ	/AC SHOULD BE ZERO
	0705 7402	HLT	/AUTO INDEX ERROR
		AUTO INDEX TEST 8	
	0786 9 204		
	0706 7 200 0707 1 026	CLA	
	0710 3010	TAD K7677	CONSTANT TO BE INDEXED
	Ø711 Ø41Ø	DCA 10 AND I 10	AND AUTO THOSE
	ा चार्च का व्यक्ति -	WITH 1 45	/DO AUTO INDEX

/PDP-8/E	INSTRU	CTION	TEST 2	MAINDE	C-8E-0888	PAL18	V141	18-JUN-71	9149	PAGE 1-1	8
	#7.0	1010		TAD	10						
	Ø712	1043			KØØ77		/AC S	HOULD EQUAL 77	77		
	Ø713 Ø714	7040		CMA	Kam,		, w. a				
		7440		SZA		/AC SHO	DULD BE	2FR0			
		7482		HLT			INDEX ER				
	Ø716	7702		MC		7,4010 .					
			/AUTO	INDEX	TEST 9						
	0717			CLA							
	Ø72Ø	1025		TAD	K7577		/CONST	ANT TO BE INDE	XED		
	Ø721	3010		DCA							
	6722	0410		AND	1 10		/DQ AU	ITO INDEX			
	8723	1010		TAD	18				_		
	8724	1942			K 017 7		/AC SH	IOULD EQUAL 777	7		
	8725	7949		CMA							
	0726	7448		SZA		/AC SHO	DULD BE	ZERO			
	8727	7482		HLT		/AUTO 1	INDEX ER	ROR			
			/AUTO	INDEX	TEST 18						
	6736	7200		CLA							
	8731	1824		TAD	K7377		/CONST	ANT TO BE INDE	XED		
	6732	3010		DGA							
	8733	8410			1 10		/00 AU	TO INDEX			
	8734	1010		TAD					_		
	#735	1841		TAD	K\$377		/AC SH	IOULD EQUAL 777	7		
		7949		CMA				_			
	8737	7448		SEA		/AC SHO	DULD BE	ZERO			
	8748	7402		HLT		/AUTO	INDEX ER	ROR	**		
			/AUTO	INDEX	TEST 11					•	
	8741	7288		CLA							
	#742	1823		TAD	K6777		CONST	ANT TO BE INDE	XED		
	8743	3010		DCA							
	8744	0410			1 10		/00 AU	TO INDEX			
	8745	1010		TAD					-		
	\$746	1848			K8777		/AG SH	IOULD EQUAL 777	•		
	8747	7040		CMA							
	8750	7440		SEA			OULD BE				
	8751	7482		HLT		/AUTO	INDEX EF	ROM			
			AUTO	INDEX	TEST 12						
	0752	7200		CLA							
	Ø753	1022		TAD	K5777		/CONST	TANT TO BE INDE	XED		
	8754	3010	.*	DCA							
		2410			I 18		JOO AL	JTO INDEX			
		7000		NOP							
	8757	1010		TAD	10						
		1037		TAD	K1777		/AC SH	HOULD EQUAL 777	7		
	8761			CMA	···						
	Ø762	7440		SZA		/AC SHI	OULD BE	ZERO			
	0763	7402		HLT	-		INDEX EF				
	D. GO	, . - 		7 7 700			-				

		AND THUES IEST TO	
	71300112000 02110001224 710001224 11000122000	CLA TAD K3777 DCA 10 AND I 10 TAD 10 TAD 10 TAD K3777 CHA SEA HLT NOP NOP	/CONSTANT TO BE INDEXED /DO AUTO INDEX /AC SHOULD EQUAL 7777 /AC SHOULD BE ZERO /AUTO INDEX ERROR
	1800	*1000	
		AUTO INDEX TEST 14	
1888 1882 1883 1885 1885 1885 1887 1811 1811 1811	71991999999999999999999999999999999999	CLA TAD K7777 DGA 18 AND I 18 TAD 18 TAD K7777 CHA SKP 8 SEA HLT	/GONSTANT TO BE INDEXED /DO AUTO INDEX /AC SHOULD EQUAL 7777 /AC SHOULD BE ZERO /AUTO INDEX ERROR
	. •	AUTO INDEX TEST 15	
1814 1815 1816 1817 1821 1821 1822 1822	723611 203111 203111 203111 203111 2031 203	CLA TAD KØ DCA 11 AND I 11 TAD 11 TAD K7776 CMA SEA HLT	/CONSTANT TO BE INDEXED /OO AUTO INDEX /AC SHOULD EQUAL 7777 /AC SHOULD BE ZERO /AUTO INDEX ERROR
		AUTO INDEX TEST 16	
1824 1825 1826 1827 1838 1831 1832	7288 1835 3811 8411 1811 1836 7848	CLA TAD K7776 DCA 11 AND I 11 TAD 11 TAD KØ CMA	/CONSTANT TO BE INDEXED /DO AUTO INDEX /AC SHOULD EQUAL 7777

/PDP-8/E INSTRUCTION	TEST 2 MAINDEC-8E-0088	PAL18 V141 18-JUN-71 9:49 PAGE 1-12
1033 7440 1034 7402		/AC SHOULD BE ZERO /AUTO INDEX ERROR
	/AUTO INDEX TEST 17	
1035 7200		CONSTANT TO BE INDEXED
1036 1034 1037 3 011		ACOMPINAL TO BE TABENED
1040 3411		/DO AUTO INDEX
1041 1011		/AC SHOULD EQUAL 7777
1042 1051 1043 7040		AND SHOULD EMONE ////
1844 7440	A\$2	/AC SHOULD BE ZERO
1845 7482		/AUTO INDEX ERROR
	/AUTO INDEX TEST 18	
1046 7200	CLA	
1947 1933		/CONSTANT TO BE INDEXED
1050 3 011 1051 1 411		/DO AUTO INDEX
1052 7200	CLA	
1853 1811	TAD 11	/AC SHOULD EQUAL 7777
1854 1847 1855 7848		AND SHOOLD EMONE 1.11
1856 7448	SEA	/AC SHOULD BE ZERO
1857 7492	HLT	/AUTO INDEX ERROR
	AUTO INDEX TEST 19	
1848 7288	CLA _	AGGISTINE OF THEFUTS
1861 1832 1862 3811	TAD K7767 DCA 11	CONSTANT TO BE INDEXED
1863 8411	AND I 11	POD AUTO INDEX
1864 1811	TAD 11	
1865 1846 1866 7848	TAB KBBB7 CMA	
1047 7448	_	/AC SHOULD BE RERO
1070 7402		/AUTO INDEX ERROR
	/AUTO INDEX TEST 28	
1071 7200	CLA	
1072 1031	TAD K7757	CONSTANT TO BE INDEXED
1073 3011 1074 0411		/DO AUTO INDEX
1075 1011	TAD 11	
1076 1045	TAD KØØ17	/AC SHOULD EQUAL 7777
1077 7840 1160 7440	CMA Sza	/AC SHOULD BE ZERO
1101 7402	HLT	AUTO INDEX ERROR
	/AUTO INDEX TEST 21	
1182 7280	GLA	CONSTANT TO BE INDEXED
1103 1027 1104 3011		ADDAG SANT TO BE THREVER
1784 3877	20 m + m	

17	-8/E INSTRUCTION	TEST 2 MAINDEC-8E-DEBB	PAL18 (41 18-JUN-71 9:49 PAGE 1-13
J	44.0E GA11	AND I 11	JOO AUTO INDEX
	1105 0411 1106 1011	TAD 11	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	1107 1044	TAD KOO37	/AC SHOULD EQUAL 7777
	1110 7040	CMA	
	1111 7440	SZA	/AC SHOULD BE ZERO
	1112 7402	HLT	/AUTO INDEX ERROR
		/AUTO INDEX TEST 22	
	1113 7200	CLA	MANATANE TO DE INDEMED
	1114 1026	TAD K7677	CONSTANT TO BE INDEXED
	1115 3011	DCA 11	/DO AUTO INDEX
	1116 8411	AND I 11	100 KOLO TURE
	1117 1011 1120 1043	TAD 11 TAD K0077	/AC SHOULD EQUAL 7777
	1120 1043 1121 7040	CMA	AND DIVIDUE MACHINE ALLA
	1122 7440	SZA	/AC SHOULD BE ZERO
	1123 7402	หน้า หน้า	/AUTO IDEX ERROR
		/AUTO INDEX TEST 23	
	1124 7200	CLA	icenseline of the subguest
	1125 1025	TAD K7577	CONSTANT TO BE INDEXED
	1126 3011	DCA 11	AR ALIVA TURBY
	1127 0411	AND I 11	/DO AUTO INDEX
	1130 1011	TAD 11	/AC SHOULD EQUAL 7777
	1131 1842	TAD K#177	AND SHOOFD EMANT 1111
	1132 7848	CHA	/AC SHOULD BE ZERO
	1133 7448 1134 7482	SãA HLT	/AUTO INDEX ERROR
	1134 7402	76'	MAIA MANA
		/AUTO INDEX TEST 24	
	1135 7288	CLA	
	1136 1824	TAD K7377	CONSTANT TO BE INDEXED
	1137 3011	DCA 11	
	1148 8411	AND I 11	/DO AUTO INDEX
	1141 1911	TAD 11	ALE AUGUS PAUL PER
	1142 1041	TAD K#377	/AC SHOULD EQUAL 7777
	1143 7848	CMA	AR AUGUS DE BERG
	1144 7440	SZA	/AC SHOULD BE ZERO /AUTO INDEX ERROR
	1145 7402	HLT	NAID MARY FUNDA
	ë	/AUTO INDEX TEST 23	
	1146 7288	CLA	
	1147 1823	TAD K6777	CONSTANT TO BE INDEXED
	1190 3011	DCA 11	
	1151 0411	AND I 11	/DD AUTO INDEX
	1152 1011	TAD 11	AND BURNING PRINCE SESS
	1153 1040	TAD KØ777	AC SHOULD EQUAL 7777
	1154 7040	CMA	ALC CHOULD BE BERN
	1155 7440	SZA	/AC SHOULD BE ZERO /AUTO INDEX ERROR
	1156 7402	HLT	ANAIN THREW FUUND
		/AUTO INDEX TEST 26	
	1157 7200	CLA	
	1160 1022	TAD K5777	CONSTANT TO BE INDEXED

/PDP-8/E	INSTRU	CTION	TEST 2	MAINDE	C-8E-D#8	B PAL18	V141	18-JUN-71	9149	PAGE 1-14
	1161	3011		DCA	11					
	1162	2411			1 11		/00 AU	TO INDEX		
	1163	7000		NOP						
	1164	1011		TAD			446 CH	OULD EQUAL 77	7 7	
	1165	1937			K1777		/AU 50	OUTH EROYF I.	, ,	
	1166	7040 7440		CMA SZA		/AC SHE	DULD BE	ZERO		
	1167 1170	7402		HLT		/AUTO	INDEX ER	ROR		
	1171	7888		NOP						
	1172	5376		JMP	,+4					
	1173	7000		NOP						
	1174	7000		NOP						
	1175	7000 7000		NOP NOP						
	1176 1177	7999		NOP						
	11//	,		1,01						
										•
			PAUSE							
									•	
			/TEST	2 -	TAPE 2					
		1200	41288							
•		7500	***							
**			ZAUTÓ		TEST 27			. •		
	1258	7200		CLA			/CONST	ANT TO BE IND	PVEN	
	1201	1821			K3777		/UUNS I	VUI IN ME TUN	ENEU	
	1282	3911		DCA	1 11		/00 AU	TO INDEX		
	1284	1811	•	TAD						
	1285	1081			K3777		/AC SH	OULD EQUAL 77	77	
	1286	7848		CMA		44.0 011	No. 8 85	2000		
	1287	7448		SEA			DULD BE INDEX ER			
	1218	7482		HLT	•	78010	tidhev ev			
			/AUTO	INDEX	TEST 28					
	1211	7200	,	CLA			=			
	1212	1026			K7777		/CONST	ANT TO BE IND	EXED	
	1213	3811		DCA	11		700 AH	TO INDEX		
	1214	8411		TAD	I 11		YUU KU	IN THOSE		
	121 5 1216	1011		TAD	K7777		JAC SH	OULD EQUAL 77	77	
	1217	7040		CMA	11,		•			
	1229	7446		SZA			OULD BE			
	1221	7482		HLT		/AUTO	INDEX ER	ROR		
			/AliTA	INDEV	TEST 29					
	1222	7200	7,4010	CLA	(E) # (# F					
	1223	1036		TAD	KØ	/CONST	ANT TO B	E INDEXED		
	1224	3012		DCA	12					
	1225	0412			1 12		/DO AU	TO INDEX		
	1226	1012		TAD	12		716 CH	HOULD EQUAL 77	77	
	1227	1035			K7776		/AU 30	INCLU EMANT //	, ,	
	1230	7040		CMA						

('-8/E INSTRU	CTION	TEST 2 MAINDEC	:-8E+D#8B	PAL18(1	.41	10-JUN-71	9149	PAGE 1-15
(1231	7440	SZA		AC SHOULD	RF Z	FRO		
	1232	7402	HLT		/AUTO INDE				
	2-4-	_							
			/AUTO INDEX	TEST 30					
	1233	7200	CLA					.E.D	
	1234	1035		K7776	70	ONSIA	NT TO BE INDE	(FD	
	1235	3012	DCA			M AUT	O INDEX		
	1236 1237	0412 1012	TAD	1 12	,	IO AO	O THOEY		
	1240	1036	TAD		/AC SHOULD	EQUA	L 7777		
	1241	7040	CMA				_		
	1242	7440	SZA		/AC SHOULD	8E 2	ERO		
	1243	7402	HLT		/AUTO INDE	X ERR	OR		
		-004	/AUTO INDEX	TEST 31					
	1244	7200 1034	CLA	K7775	,,	MISTA	NT TO BE INDE	VEN	
	1245 1246	3012	DCA		, ,	,	MI IO OF THEE		
		3412		Î 12	/0	O AUT	O INDEX		
	1250	1012	TAD		• •		• • • • • • • • • • • • • • • • • • • •		
		1051		KØØØ1	/ /	C SHO	ULD EQUAL 777	7	
	1252	7049	CMA			_			
	1253	7448	SZA		/AC SHOULD				
	1254	7402	HLT		/AUTO INDE	X ERR	QR		
			/AUTO INDEX	TEST 32					
	1255	7200	CLA				TA DE 11681	45D	
	1256	1033		K7773	70	ONSIA	NT TO BE INDE	(FD	
	1257 1260	3012 1412	DCA	1 12	/0	TUA O	O INDEX		
	1261	7200	CLA			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			•
	1262	1012	TAD	12					
	1263	1847	TAD	K0003	//	C SHO	ULD EQUAL 7777	7	
	1264	7840	CMA						
	1265	7440	SZA		/AC SHOULD				
	1266	7402	HLT		/AUTO INDE	A ERR	UR		
	. 4047	7288	/AUTO INDEX	TEST 33		1			
	1267 1270	1032	CLA TÂD	K7767	70	ONSTA	NT TO BE INDEX	KED	
	1271	3012	DCA	_		•	itt to an iller		
	1272			I 12	/0	O AUT	O INDEX		
	1273	1012	TAD	12					
	1274	1046		KØØØ7	/ A	C SHO	ULD EQUAL 7771	7	
	1275	7040	CMA		446 ALION B	7			
	1276	744Ø 7402	SZA		/AC SHOULD				
	1277	1756	HLT		ACIO INDE	Y EUN	UN		
			/AUTO INDEX	TEST 34	•				
	1300	7200	CLA						
	1301	1031		K7757	/0	CONSTA	NT TO BE INDE	KED	
	1302		DCA				TA 1NOEY		
	1303	0412	AND	1 12	70	D AU	TO INDEX		

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1384 1812	/PDP-8/E	INSTRU	CTION	TEST 2	MAINDE	C-8E-DØBB	PAL10	V141	10-JUN-71	9:49	PAGE 1-16
1385 1845 TAD M8817		1304	1012		TAD	12					
1306 7940 CMA 1317 7440 SEA			1045		TAD	K0017		/AC SH	OULD EQUAL 777	7	
1307 7448					CMA						
AUTO INDEX TEST SPECIAL							/AC SHO	DULD BE	ZERO		
1311 7268							/AUTO	INDEX ER	ROR		
1312 1927				ZAUT	O INDEX	TEST 35					
3313 3812 DCA 12 1314 9412 AND I 12 /DD AUTO INDEX 1315 1812 TAD 12 1316 1844 TAD K8837 /AC SHOULD EQUAL 7777 1318 7848 CHA 1327 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 36 1324 1828 CLA 1325 1828 CLA 1326 1812 TAD K7677 /CONSTANT TO BE INDEXED 1326 1812 TAD K8877 /AC SHOULD EQUAL 7777 1338 7848 CHA 1331 7448 SEA /AC SHOULD BE ZERO /AUTO INDEX TEST 37 1332 7482 HLT /AC SHOULD BE ZERO /AUTO INDEX TEST 37 1333 7482 HLT /AC SHOULD BE ZERO /AUTO INDEX TEST 37 1334 1825 TAD K8877 /CONSTANT TO BE INDEXED 1335 1822 TAD K87577 /CONSTANT TO BE INDEXED 1336 1822 AND I 12 /DD AUTO INDEX 1337 1822 TAD K8577 /AC SHOULD EQUAL 7777 1338 7882 CLA 1334 1825 TAD K8577 /CONSTANT TO BE INDEXED 1337 1812 TAD K8577 /AC SHOULD EQUAL 7777 1349 1842 AND I 12 /DD AUTO INDEX 1341 7848 SEA /AC SHOULD BE ZERO /AUTO INDEX TEST 38 1344 7288 TAD K8577 /AC SHOULD BE ZERO /AUTO INDEX TEST 38 1345 1842 AND I 12 /DD AUTO INDEX 1346 1842 AND I 12 /DD AUTO INDEX 1347 7488 SEA /AC SHOULD BE ZERO /AUTO INDEX TEST 38 1348 1824 TAD K8377 /CONSTANT TO BE INDEXED 1350 1822 TAD K8377 /AC SHOULD BE ZERO /AUTO INDEX TEST 38 1351 7480 CHA 1353 7480 CHA 1355 7480 CHA 1355 7480 CHA 1355 7480 CHA 1356 1823 TAD K6777 /CONSTANT TO BE INDEXED		1311			CLA						
1314 8412 AND 12		1312	1027					/CONST	ANT TO BE INDE	XED	
1315 1912 TAD 12 1316 1944 TAD K8937 /AC SHOULD EQUAL 7777 1317 7848 CMA		1313	3012								
1316 1984 TAD 89837		1314	0412					/DO AU	TO INDEX		
1317 7948 CM SZA		1315	1012	-	TAD	12				_	
1322 7482		1316	1044		TAD	KØØ37		/AC SH	OULD EQUAL 777	7	
AUTO INDEX TEST SE TEST SE TEST SE TEST TEST		1317	7840						.		
/AUTO INDEX TEST 36 1322 7288 CLA 1323 1826 TAD K7677 /CONSTANT TO BE INDEXED 1324 3812 DCA 12 1325 8412 AND 1 12 /DD AUTO INDEX 1326 1812 TAD 12 1327 1843 TAD K8877 /AC SHOULD EQUAL 7777 1338 7848 CHA 1331 7448 SZA /AC SHOULD BE ZERO /AUTO INDEX TEST 37 1333 7288 TAD K7577 /CONSTANT TO BE INDEXED 1334 1825 TAD K8177 /AC SHOULD EQUAL 7777 1335 3812 DCA 12 1336 8412 AND 1 12 /DD AUTO INDEX 1337 1812 TAD K8177 /AC SHOULD EQUAL 7777 1341 7848 SZA /AC SHOULD BE ZERO /AUTO INDEX TEST 38 1344 7280 LA 1342 7440 SZA /AC SHOULD BE ZERO /AUTO INDEX TEST 38 1344 7280 TAD K7377 /CONSTANT TO BE INDEXED 1345 3012 DCA 12 1346 3012 TAD K7377 /CONSTANT TO BE INDEXED 1347 8412 AND 1 12 /DD AUTO INDEX 1351 1841 TAD K8377 /AC SHOULD BE ZERO 1351 1841 TAD K8377 /AC SHOULD EQUAL 7777 1352 7040 CMA SZA /AC SHOULD BE ZERO 1354 7492 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7280 CLA 1357 7492 HLT /AUTO INDEX ERROR /AUTO INDEX ERROR		1320									
1322 7208		1321	7482		нцт		/AUTO	INDEX E	RROR		
1322 7208				/AUT	O INDEX	TEST 36					
1323 1826 TAD K7677 /CONSTANT TO BE INDEXED 1324 3912 DCA 12 1325 8412 AND I 12 /DO AUTO INDEX 1326 1812 TAD K8877 /AC SHOULD EQUAL 7777 1338 7848 CMA 1331 7448 SZA /AC SHOULD BE ZERO 1332 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 37 1333 1825 TAD K7577 /CONSTANT TO BE INDEXED 1334 1825 TAD K7577 /AC SHOULD EQUAL 7777 1336 8412 AND I 12 /DO AUTO INDEX 1337 1812 TAD 12 1338 1822 TAD K8177 /AC SHOULD EQUAL 7777 1341 7848 CMA 1342 7448 SZA /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7228 TAD K7377 /AUTO INDEX ERROR /AUTO INDEX TEST 38 1346 3912 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1356 1821 TAD K8377 /AUTO INDEX 1351 1841 TAD K8377 /AUTO INDEX 1351 1841 TAD K8377 /AC SHOULD EQUAL 7777 1352 7848 CMA 1353 7440 SZA /AC SHOULD EQUAL 7777 1352 7848 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7482 HLT /AUTO INDEX TEST 39 1355 7280 CMA 1357 7482 HLT /AUTO INDEX ERROR		1322	7200								
1324 3812 DCA 12 1325 8412 AND I 12 /DO AUTO INDEX 1326 1812 TAD 12 1327 1843 TAD K8877 /AC SHOULD EQUAL 7777 1338 7848 CHA 1331 7448 SZA /AC SHOULD BE ZERO 1332 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 37 1333 7288 TAD K7577 /CONSTANT TO BE INDEXED 1335 3812 DCA 12 1336 8412 AND I 12 /DO AUTO INDEX 1337 1812 TAD 12 1338 1842 TAD K8177 /AC SHOULD EQUAL 7777 1341 7840 CHA 1342 7440 SZA /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7280 CHA 1345 1824 TAD K8177 /CONSTANT TO BE INDEXED 1345 1822 TAD K8177 /AC SHOULD BE ZERO 1346 8812 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1358 1812 TAD 12 1359 1812 TAD 12 1351 1841 TAD K8377 /AC SHOULD EQUAL 7777 1351 1841 TAD K8377 /AC SHOULD EQUAL 7777 1352 7840 CHA 1353 7440 SZA /AC SHOULD EQUAL 7777 1352 7840 CHA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7482 HLT /AUTO INDEX ERROR						K7677		/CONST	ANT TO BE INDE	XED	
1325 8412 AND 1 12 /DO AUTO INDEX 1326 1812 TAD 12 1327 1843 TAD K8877 /AC SHOULD EQUAL 7777 1338 7848 S\$A /AC SHOULD BE ZERO 1331 7488 S\$A /AC SHOULD BE ZERO 1332 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 37 CLA 1334 1825 TAD K7577 /CONSTANT TO BE INDEXED 1335 3812 DCA 12 1336 8412 AND 1 12 /DO AUTO INDEX 1337 1812 TAD K8177 /AC SHOULD EQUAL 7777 1341 7848 S\$A /AC SHOULD BE ZERO 1342 7448 S\$A /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7288 CLA 1345 1824 TAD K7377 /CONSTANT TO BE INDEXED 1346 3812 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1358 1812 TAD 12 /DO AUTO INDEX 1358 1814 TAD K8377 /AC SHOULD EQUAL 7777 1352 7848 CHA /AC SHOULD BE ZERO 1355 7448 S\$A /AC SHOULD BE ZERO 1357 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 CLA 1355 7288 CLA 1355 7288 CLA 1356 1823 TAD K6777 /CONSTANT TO BE INDEXED											
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1327 1843											
1338								/AC SH	OULD EQUAL 777	7	
1331										-	
### AUTO INDEX TEST 37 1333 7288							/AC SHO	DULD BE	ZERO		
1333 7288 CLA 1334 1925 TAD K7577 /CONSTANT TO BE INDEXED 1335 3812 DGA 12 1336 8412 AND I 12 /DO AUTO INDEX 1337 1812 TAD 12 1348 1942 TAD K8177 /AC SHOULD EQUAL 7777 1341 7940 CHA 1342 7440 SZA /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7280 CLA 1345 1924 TAD K7377 /CONSTANT TO BE INDEXED 1346 8912 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1359 1912 TAD 12 1351 1941 TAD K0377 /AC SHOULD EQUAL 7777 1352 7840 CHA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7492 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 CLA 1355 7280 CLA 1356 1823 TAD K6777 /CONSTANT TO BE INDEXED											
1333 7288 CLA 1334 1925 TAD K7577 /CONSTANT TO BE INDEXED 1335 3812 DGA 12 1336 8412 AND I 12 /DO AUTO INDEX 1337 1812 TAD 12 1348 1942 TAD K8177 /AC SHOULD EQUAL 7777 1341 7940 CHA 1342 7440 SZA /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7280 CLA 1345 1924 TAD K7377 /CONSTANT TO BE INDEXED 1346 8912 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1359 1912 TAD 12 1351 1941 TAD K0377 /AC SHOULD EQUAL 7777 1352 7840 CHA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7492 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 CLA 1355 7280 CLA 1356 1823 TAD K6777 /CONSTANT TO BE INDEXED				/AUT	O INDEX	TEST 37					
1334		1333	7288			,					
1335 3812 DCA 12 1336 8412 AND I 12 /DO AUTO INDEX 1337 1812 TAD K8177 /AC SHOULD EQUAL 7777 1341 7040 CMA 1342 7440 SZA /AC SHOULD BE ZERO 1343 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7280 CLA 1345 1024 TAD K7377 /CONSTANT TO BE INDEXED 1346 3012 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED					TAD	K7577		/CONST	ANT TO BE INDE	XED	
1336 8412 AND I 12 /00 AUTO INDEX 1337 1812 TAD 12 1340 1842 TAD K8177 /AC SHOULD EQUAL 7777 1341 7840 CHA 1342 7440 SEA /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7280 CLA 1345 1824 TAD K7377 /CONSTANT TO BE INDEXED 1346 3812 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1358 1812 TAD 12 1351 1841 TAD K8377 /AC SHOULD EQUAL 7777 1352 7840 CHA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7280 CLA 1356 1823 TAD K6777 /CONSTANT TO BE INDEXED											
1337 1812 TAD 12 1348 1842 TAD K8177 /AC SHOULD EQUAL 7777 1341 7840 CMA 1342 7440 SEA /AC SHOULD BE ZERO 1343 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 38 1344 7280 CLA 1345 1824 TAD K7377 /CONSTANT TO BE INDEXED 1346 3812 DCA 12 1347 8412 AND I 12 /DO AUTO INDEX 1358 1812 TAD 12 1351 1841 TAD K8377 /AC SHOULD EQUAL 7777 1352 7840 CMA 1353 7440 SEA /AC SHOULD BE ZERO 1354 7482 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 CLA 1355 7280 CLA 1356 1823 TAD K6777 /CONSTANT TO BE INDEXED				•				/00 AU	TO INDEX		
TAD KB177									- •		
1341 7949					TAD	K8177		/AC SH	OULD EQUAL 777	7	
1342									•		
AUTO INDEX TEST 38							/AC SHO	DULD BE	ZERO		
1344 7200 CLA 1345 1024 TAD K7377 /CONSTANT TO BE INDEXED 1346 3012 DCA 12 1347 0412 AND I 12 /DO AUTO INDEX 1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED											
1344 7200 CLA 1345 1024 TAD K7377 /CONSTANT TO BE INDEXED 1346 3012 DCA 12 1347 0412 AND I 12 /DO AUTO INDEX 1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED			•								
1345 1024 TAD K7377 /CONSTANT TO BE INDEXED 1346 3012 DCA 12 1347 0412 AND I 12 /DO AUTO INDEX 1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED				/AUT		TEST 38					
1346 3012 DCA 12 1347 0412 AND I 12 /DO AUTO INDEX 1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED					CLA	47557		/CANET	ANT TO DE INDE	VEN	
1347 0412 AND I 12 /DO AUTO INDEX 1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED								/ CONST	WAL IN DE TUNE	AEU	
1350 1012 TAD 12 1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED								400 411	TA TUBEY		
1351 1041 TAD K0377 /AC SHOULD EQUAL 7777 1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED								JUU AU	IIO THUEN		
1352 7040 CMA 1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED					TAD	12		446 64	10.00 D COULT 377	7	
1353 7440 SZA /AC SHOULD BE ZERO 1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED						KØ377		/AU SH	INDER FROME 7//	•	
1354 7402 HLT /AUTO INDEX ERROR /AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED							44.6	B B=	7-50		
/AUTO INDEX TEST 39 1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED											
1355 7200 CLA 1356 1023 TAD K6777 /CONSTANT TO BE INDEXED		1354	7482		HLT		ZAUTO	INDEX ER	IKUK		
1356 1023 TAD K6777 /CONSTANT TO BE INDEXED				/AUT		TEST 39					
1356 1023 TAD K6777 /CONSTANT TO BE INDEXED		1355	7200			_			., =		
1357 3012 DCA 12								/CONST	ANT TO BE INDE	XLU	
			3012		DCA	12					

/PD P(· INSTRU	UCTION	TEST 2	MAIND	EC-8E-DØBB	PAL10	v(10-JUN-71	9149	PAGE 1-17
	1360	0412		ΔNI	0 1 12		400 411	ITO THOSY		
	1361	1012			D 12		ADO NO	TO INDEX		
	1362	1040			N KØ777		/A C 6H	10111 D 501111 -55-		
	1363	7040		CM			/AU 5H	OULD EQUAL 7777		
	1364	7442		S₹		/AC CUC		7		
	1365	7482		HLI		/AC SHO	NOLA ED	ZERU		
		_		F7 (4)	•	/AUTO I	NUEX EN	KOR		
			/AUTO	INDE	C TEST 40					
	1366	7200		CLA						
	1367	1022			K5777		/CONOT	ANE		
	1370	3012			12		/ CONST	ANT TO BE INDEX	ED	
	1371	2412			I 12		400 AH	TO INDEX		
	1372	7000		NOP			700 AU	O THREY		
	1373	1012			12					
	1374	1937			K1777		/AC 6H	OULD EQUAL 7777		
	1375	7040		CMA			/AU Shi	OULD EGUAL 7//7		
	1376	7440		SZA		/AC SHO	n pc :	3500		
	1377	7402		HLT		/AUTO I	NOFY CRE	200		
						**********	MOEN EN	אטי		
		1480	-1400							
			/AUTO	INDEX	TEST 41					
	1400	7200		CLA						
	1461	1821		TAD	K3777		/CONSTA	NT TO BE INDEX	/En	
	1482	3012		DÇA	12			THE PER TRUES	IED.	
		8412			I 12		/DO AUT	O INDEX		
		1012		TAD						
		1021			K3777		/AC SHO	ULD EQUAL 7777		
		7049		CMA						
		7448		SZA		/AC SHOU	JLD BE Z	ERO		
	1410	7482		HLT		/AUTO IN	IDEX ERR	OR		
			4.1150							
	1411	7200	PAUTO		TEST 42					
		1028		CLA						
		3012			K7777		/CONSTA	NT TO BE INDEXE	D	
		0412		DÇA						
		1012			I 12		/DO AUT	O INDEX		
		1020		TAD						
		7040			K7777		/AC SHO	ULD EQUAL 7777		
		7448		CMA						
		7402		SZA		/AC SHOU	TD BE S	ERO		
				HLT		/AUTO IN	DEX ERR	OR		
		4	/AUTO	INDEX	TEST 43					
	1422	7200		CLA	73					
		1036		TAD	¥ Ø	/CONOTAN				
		3013		DCA		/CONSTAN	I IO BE	INDEXED		
		0413			Î 13		/DA	n' TAIREY		
		1013		TAD			/DO AUTO	O INDEX		
	1427				K7776		/AR BUD:	U.S. POULL		
		7040		CMA	,,,,,,,,		AL SHUL	ULD EQUAL 7777		
		7440		SZA		/AC 606				
	1432			HLT		/AC SHO	ULD BE 2	EERO		
				115		/AUTO IN	טבא בהאנ	אל		
			441174							

/AUTO INDEX TEST 44

/PDP-8/E INSTRUCTION	TEST 2 MAINDEC-8E-DØBB	PAL10 V141 10	8-JUN-71	9149	PAGE 1-18
1433 7200	CLA				
1434 1035	TAD K7776	/CONSTANT	TO BE INDEXED)	
1435 3013	DCA 13				
1436 0413	AND I 13	/DO AUTO 1	INDEX		
1437 1013	TAD 13	AC SHOULD EQUAL 7	7777		
1440 1036 1441 7040	TAD KØ CMA	AC SHOOLD EMONE A			
1441 7040 1442 7440	SZA	AC SHOULD BE ZERO	· ·		
1443 7422	HLT	/AUTO INDEX ERROR			
1444 7200	/AUTO INDEX TEST 45 CLA				
1444 7280 1445 1034	TAD K7775	/CONSTANT	TO BE INDEXE)	
1446 3013	DCA 13	, 00.00			
1447 3413	DCA I 13	/DO AUTO 1	INDEX		
1450 1013	TAD 13				
1451 1051	TAD K0001	/AC SHOULD	EQUAL 7777		
1452 7840	CMA	AC SHOULD BE ZERO	•		
1453 7440 1454 7402	SZA HLT	/AUTO INDEX ERROR			
1434 /402	ne.	THE THOUSAND			
	AUTO INDEX TEST 46				
1455 7200	CLA Tad K7773	ACONSTANT	TO BE INDEXE		
1456 1933 1457 3 913	DCA 13	7000317001	IO DE THOUNE	. *	
1468 1413	TAD I 13	/DO AUTO 1	INDEX		
1461 7200	CLA	• =			
1462 1013	TAD 13	·			
1463 1047	TAO KØØØ3	/AC SHOUL	EQUAL 7777		
1464 7948	CMA	AAC GHOWER BE ZER!	•		
1465 7448 1466 7482	sēa HLT	/AC SHOULD BE ZERO /AUTO INDEX ERROR	•		
1440 /492	# 5 '	Line of the common			
	/AUTO INDEX TEST 47				
1467 7200	CLA	ACONOTANT	TO BE INDEXE	,	
1470 1032	TÃD K7767 DCA 13	/CONS : AN I	IO DE THOEXET	,	
1471 3013 1472 0413	AND I 13	/DO AUTO 1	INDEX		
1473 1013	TAD 13				
1474 1846	TAD KØØØ7	/AC SHOULT	D EQUAL 7777		
1475 7040	CMA		_		
1476 7440		AC SHOULD BE ZER			
1477 7402	HLT	AUTO INDEX ERROR			
	/AUTO INDEX TEST 48				
1500 7200	CLA			_	
1501 1031	TAD K7757	<u> </u>	TO BE INDEXE	J	
1502 3013		/DO AUTO	INNEX		
1503 0413 1504 1013	AND I 13 TAD 13	POU NOTO	FIANTU		
1505 1045 1505 1045	TAD KØØ17	/AC SHOULD	D EQUAL 7777		
1506 7040		- · · · · · ·			
1507 7440	SZA	AC SHOULD BE ZER	0		
1510 7402	HLT	/AUTO INDEX ERROR			

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//E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                          10-JUN-71
                  /AUTO INDEX TEST 49
    1511 7200
                          CLA
    1512 1027
                          TAD K7737
                                                  /CONSTANT TO BE INDEXED
    1513 3013
                          DCA 13
    1514 0413
                          AND I 13
                                                  /DO AUTO INDEX
    1515 1013
                          TAD 13
    1516 1044
                          TAD KØØ37
                                                  /AC SHOULD EQUAL 7777
    1517 7040
                          CMA
    1520 7440
                          SZA
                                          /AC SHOULD BE ZERO
    1521 7402
                          HLT
                                          /AUTO INDEX ERROR
                  /AUTO INDEX TEST 50
         7200
    1522
                          CLA
   1523
          1026
                          TAD KJ677
                                                  CONSTANT TO BE INDEXED
   1524 3013
                          DCA 13
   1525 0413
                          AND 1 13
                                                  /DO AUTO INDEX
   1526 1013
                          TAD 13
   1527 1043
                          TAD KØØ77
                                                 /AC SHOULD EQUAL 7777
   1530 7040
                          CMA
   1531 7440
                          SZA
                                         /AC SHOULD BE ZERO
   1532 7402
                          HLT
                                         /AUTO INDEX ERROR
                 /AUTO INDEX TEST 51
   1533 7200
                                 CLA
   1534
         1025
                         TAD K7577
                                                 CONSTANT TO BE INDEXED
   1535 3013
                         DCA 13
   1536 0413
                          AND I 13
                                                 /DO AUTO INDEX
   1537 1013
                         TAD 13
   1540 1042
                         TAD KØ177
                                                 /AC SHOULD EQUAL 7777
   1541 7840
                         CMA
   1542 7440
                         SEA
                                         /AC SHOULD BE ZERO
   1543 7482
                         HLT
                                         /AUTO INDEX ERROR
                 /AUTO INDEX TEST 52
   1544
         7200
                         CLA
   1545 1024
                         TAD K7377
                                                 /CONSTANT TO BE INDEXED
   1546 3013
                         DCA 13
   1547 Ø413
                         AND I 13
                                                 /DO AUTO INDEX
  1550 1013
                         TAD 13
  1551 1041
                         TAD KØ377
                                                 /AC SHOULD EQUAL 7777
  1552 7040
                         CMA
  1553 7440
                         SZA
                                         /AC SHOULD BE ZERO
  1554 7402
                         HLT
                                         /AUTO INDEX ERROR
                 /AUTO INDEX TEST 53
  1555 7200
                         CLA
  1556 1023
                         TAD K6777
                                                /CONSTANT TO BE INDEXED
  1557
        3013
                         DCA 13
  1560
        0413
                         AND I 13
                                                /DO AUTO INDEX
  1561
        1013
                        TAD 13
  1562
       1040
                        TAD KØ777
                                                /AC SHOULD EQUAL 7777
  1563 7040
                         CMA
  1564 7440
                        SZA
                                        /AC SHOULD BE ZERO
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/PDP-8/E	INSTRU	CTION	TEST 2	MAINDE	C-8E-DØBB	PAL10	V141	1 :	19-JUN-71	9149	PAGE	1-20
	1565	7482		HLT		/AUTO	INDEX	ERROI	R			
			ZAUTO	INDEX	TEST 54							
	1566	720g	,	CLA								
	1567	1022			K5777		/001	NSTAN'	T TO BE INDE	EXED		
	1578	3013		DCA					*******			
	1571	2413			i 13		/00	AUIO	INDEX			
,	1572	7000		NOP TAD	48							
	1573 1574	1013			K1777		/AC	SHOU	LD EQUAL 777	77		
		7040		CHA	N		,	•				
	1576	7440		ASS		/AC SH						
	1577	7482		HLT		ZAUTO	INDEX	ERROI	R			
		1600	-1 600									
		•	/AUTO	INDEX	TEST 55							
	1699	7200		CLA						- 456		
	1681 -				.K3777		/01	NSTAN	T TO BE INDE	EXED		
	1602	3013		DCA			400	AHTO	INDEX			
	1683 1684	0413		TAD	1 13		750	AU. 0	411867			
	1685	1021		TAD	K3777		/AC	SHOU	LD EQUAL 777	77		
	1686	7848		CMA				_				
	1687	7448		ASS		/AC SH						
	1618	7482		HLT		/AUTO	INDEX	EKKU	K			
			/AUTO	INDEX	TEST 56							
	1611	7288	, ,,,,,	CLA								
	1612	1028		TAD	K7777		/C0I	NSTAN'	T TO BE INDE	EXED		
	1613	3013		DCA			400	AUTO	THREY			
	1614	8413			1 13		700	AUIU	INDEX			
	1615 1616	1013		TAD	K7777		ZÁC	SHOU	LD EQUAL 772	77		
	1617	7949		CMA			• ~ ~					
	1628	7440		SZA			HOULD E					
	1621	7402		HLT		/AUTO	INDEX	ERRO	R			
			/AUTO	INDEX	TEST 57							
	1622	7200		CLA					****			
	1623	1036		TAD		/CONST	FANT T	O BE	INDEXED			
	1624	3014		DCA			/80	AUTO	INDEX			
	1625	0414		TAD	1 14		700	AUTU	THUEN			
	1626 1627	1014 1035			K7776		/AC	SHOU	LD EQUAL 77	77		
	1630	7040		CMA								
	1631	7440		SZA			HOULD I					
	1632	7402	·	HLT		OTUAN	INDEX	ERRO	R			
			/AUTO	INDEX	TEST 58							
	1633	7200	, ,, , ,	CLA	•			_				
	1634	1035		TAD	K7776		/001	NSTAN	T TO BE INDI	EXED		
	1635	3014		DCA	14							

/E	INSTRU	CTION	TEST 2 MAINDE	C-8E-DØBB	PAL10	(4	10-JUN-71	9149	PAGE 1-	21
	1636	0414	AND	1 14		/DO AU	TO INDEX			
	1637	1014	TAD	14						
	1640	1036	TAD	ı KØ	/AC SH	IOULD EQU	AL 7777			
	1641	7040	CMA	1						
	1642	7440	SZA	ı	/AC SH	IOULD BE	ZERO			
	1643	7482	HLT			INDEX ER				
		= 200	/AUTO INDEX							
	1644	7200	CLA			/CONCT	ANT TO BE INDE	VEN		
	1645	1034		K7775		/ CUNS !	ANT TO BE INDE	XEU		
	1646	3014		14		200 AH	TO INDEX			
	1647	3414		1 14		700 AU	IN THOE			
	1650	1014		14 K0001		/AC CH	OULD EQUAL 777	7		
	1651	1051				/AU 5H	OUTD EGOVE 111	′		
	1652	7040	CMA		4 Y C - C H	10111 D DC	3rmn			
	1653	7440	ASS			IOULD BE				
	1654	7482	HLT		ZAUTU	INDEX ER	NUK			
			/AUTO INDEX	TEST 60						
	1655	7200	CLA							
	1656	1033	TAD	K7773		/CONST	ANT TO BE INDE	XED		
	1657	3014	DCA	. 14						
	1660	1414		1 14		/00 AU	TO INDEX			
	1661	7200	CLA	· •						
	1662	1814		14						
	1663	1847		K9993		/AC SH	OULD EQUAL 777	7		
	1664	7949	CMA							
	1665	7449	SEA		/AC SH	OULD BE	⊉ERO			
	1666	7482	HLT			INDEX ER				
			/AUTO INDEX	TEST 61						
	1667	7200	CLA							
	1679	1032	TAD	K7767		/CONST	ANT TO BE INDE	XED		
	1671	3014		14						
	1672	0414		Ī 14		/DO AU	TO INDEX			
	1673	1014		14						
	1674	1046		K0007		/AC SH	OULD EQUAL 777	7		
	1675	7940	CHA							
	1676	7448	SZA		/AC SH	OULD BE	ZERO			
	1677	7482	HLT			INDEX ER				
	1077	, ,	, , , , , , , , , , , , , , , , , , ,		******					
			/AUTO INDEX	TEST 62						
	1700	7200	CLA							
	1701	1031		K7757		/CONST	ANT TO BE IND	EXED		
	1702	3014		14		, - + 114				
	1702	0414		1 14		ZDO ALI	TO INDEX			
		1014		14		, 50 KO	.O INDEA			
	1704	1045		K0017		AAC CH	OULD EQUAL 777	7		
	1705					749 311		,		
	1706	7040	CMA		/40 64	וחווו ח פר	3ran		-	
	1707	7440	SZA			IOULD BE Index er				
	1710	7402	HLT		7 80 10	THUEN EN	ייטיז			
			AUTO INDEX	TEST 63						
	1711	7280	CLA							
	4/44									

/PDP-8/E	INSTRU	CTION	TEST 2	MAINDE	C-8E-0088	PAL10	V141	10-JUN-71	9:49	PAGE	1-22
	1712	1027			K7737		/CONST	ANT TO BE INDE	XED		
	1713	3014		DCA				Ta luary			
	1714	0414			I 14		ADO VA	TO INDEX			
	1715	1014		TAD			446 64	OULD EQUAL 777	7		
	1716	1044			KØØ37		JAL SH	OULD EBONE 111	,		
	1717	7848		CMA		/AC 64/	חווי ח פר	3580			
	1728	7448		SZA			DULD BE INDEX ER				
	1721	7482		нцт		/MOIU	INUEN EN	NUR			
			/AUT		TEST 64						
	1722	7200		CLA							
	1723	1026			K7677		/CONST	ANT TO BE INDE	XED		
	1724	3014		DCA			.00	T- 1455V			
	1725	8414			1 14		/UO AU	TO INDEX			
	1726	1814		TAB			44.6 611	0111 B FOLIAL #77	•		
	1727	1043			KØØ77	•	/AC SH	OULD EQUAL 777	′		
	1730	7040		CMA		44.0 01		7500			
	1731	7448		SZA			HOULD BE				
	1732	7402		HLT		ZAUTU	INDEX ER	NUK			
			/AUT	O INDEX	TEST 65		•				
	1733	7200		CLA							
	1734	1825		TAD	K7577		/CONST	ANT TO BE INDE	XED		
	1735	3014		DÇA	14						
	1736	8414		AND	1 14		_/DO_AU	TO INDEX			
	1737	1014		TAD					_		
	1740	1042		TAD	KØ177		/AC SH	OULD EQUAL 777	7		
	1741	7040		CMA							
	1742	7440		SZA			DULD BE				
	1743	7482		HLT		/AUTO	INDEX ER	ROR			
			/AUT	O INDEX	TEST 66						
	1744	7200		CLA	_						
	1745	1024			K7377		/CONST	ANT TO BE INDE	XED		
	1746	3014		DCA				5			
	1747	9414			1 14		ADD YO	TO INDEX			
	1750	1014		TAD			44.5. 011	0.0 0 5000	•		
	1751	1041			KØ377		/AG SH	OULD EQUAL 777	,		
	1752	7040		CMA		44C 0H		3000			
	1753	7440		SZA			DULD BE				
	1754	7402		HLT		/AUTO	INDEX EN	NUK			
			/AUT	O INDEX	TEST 67						
	1755	7200	•	CLA							
	1756	1023			K6777		/CONST	ANT TO BE INDE	XED		
	1757	3014		DCA	14						
	1760	0414		AND	I 14		/DO AU	TO INDEX			
	1761	1014		TAD	14						
	1762	1040			KØ777		/AC SH	OULD EQUAL 777	7		
	1763	7040		CMA				•			
	1764	7440		SZA			OULD BE				
	1765	7402		HLT		/AUTO	INDEX ER	ROR			
			/AUT	O INDE	X TEST 68						

(•				(
/PD	J/E	INSTR	JCTION	TEST 2	MAIND	EC-8E-DØBB	PAL10	11	10-JUN-71	9;49	PAGE 1-23
		1766	7200		CL	A					
		1767	1022			K5777		/CONSTA			
		1770	3014			14		/ CONS I A	NT TO BE INDE	XED	
		1771	2414			Ž I 14		ADD AUT	O INDEX		
		1772	7000		NOF			700 A01	O THUEN		
		1773	1014			14					
		1774	1037			K1777		ZAC SHO	ULD EQUAL 7777	7	
		1775	7040		CMA			7 7 3 110	OLD EGONE ////		
		1776	7440		SZ		/AC SHO	ULD BE Z	FRO		
		1777	7482		HL1	7	/AUTO I	NDEX ERR	OR		
			2000	*0866							
			2000	*2000							
		2000	7200	/AU I U		TEST 69					
		2001	1021		CLA						
		2002	3014) K3777 14		CONSTA	NT TO BE INDEX	(ED	
		2003	0414			1 14		400 4117			
		2004	1014			14		/DO AUT	O INDEX		
		2005	1021			K3777		/AF 6H0	6 -	•	
		2006	7848		CMA			/AC Shu	ULD EQUAL 7777		
		2007	7410		SKP						
		2010	9989		Ø						
		2011	7449		SZA		/AC SHO	ULD BE Z	ran		
		2012	7402		HLT			NDEX ERR			
				/AUTO	INDEX	TEST 78					
		2013	7280	_	CLA						
		2014	1020			K7777		/CONSTA	NT TO BE INDEX	E n	
		2015	3014		DÇA				THE THE THE	# U	
		2016	8414		AND	I 14		/DO AUTO	O INDEX		
		2017	1014		TAD	14			• • • • • • • • • • • • • • • • • • • •		
		2020	1020			K7777		/AC SHOU	ULD EQUAL 7777		
		2021	7040		CMA				•		
		2022	7448		SZA		/AC SHOU	ILD BE ZE	ERO		
		2023	7402		HLT		/AUTO IN	IDEX ERRO	OR .		
				/AUTO	INDEX	TEST 71					
		2024	7200		CLA						
		2025	1036		TAD	KØ	/CONSTAN	TO BE	INDEXED		
		2026	3015		DÇA						
		2027	0415			I 15		/DO AUTO	INDEX		
			1015		TAD						
		2031	1035			K7776		/AC SHOU	JLD EQUAL 7777		
		2032	7040		CMA						
		2033	7440		SZA		/AC SHOU	LD BE ZE	RO		
		2034	7402		HĻT		/AUTO IN	DEX ERRO	R		
				/AUTO	INDEX	TEST 72					
		2035	7200		CLA						
			1035			K7776		/CONSTAN	IT TO BE INDEXE	ED	
			3015		DCA	15		,			
			0415			I 15		/DO AUTO	INDEX		
			1015		TAD						
		2042	1936		TAD	KØ	/AC SHOU	LD EQUAL	7777		

/PDP-8/E	INSTR	RUCTION	TEST 2 MAIN	DEC-8E-DØBB	PAL10	V141	10-JUN-71	9149	PAGE 1-24
	2043	7040	CI	1 🛕					
		7440		Ä	/AC SHO	III D RE 7	EDO		
	2045	7482	ĤŁ		/AUTO I	NDEX FRR	in R		
			/AUTO INDE	X TEST 73					
		7220	CL						
		1034		D K7775		/CONSTA	NT TO BE INDEX	E D	
	2050 2051			A 15					
	2052			A I 15		/DO AUT	O INDEX		
	2053			D 15			= = =		
	2054	7040	CM	D KØØØ1		/AC SHU	ULD EQUAL 777	7	
		7440	S Z		AAC CHO	11 D DC 3			
	2056		HL		/AC SHOW	TED RE E	EKU		
		_	C1 be	•	74010 11	ADEN EUU	UK		
		2000	/AUTO INDE	X TEST 74					
	2057		ÇĻ						
	2060 2061	1033		D K7773		/CONSTAI	NT TO BE INDEXE	ED	
	2862	3015 1415		A 15					
	2063	7200		D I 15		/DO AUTO	DINDEX		
	2064	1015	CL	15					
	2065	1847		KODO3		446 BUO			
	2066	7048	ĊM.			/AL SHUL	JLD EQUAL 7777		
	2867	7440	32		/AC SHOU	I D DC 3c	- 80		
•	2078	7482	HL'		/AUTO IN	DEX ERRO	iau ia		
			441456	. 					
	2071	7200	/AUTO INDE						
	2072	1032	CLA			400000000			
	2073	3815		K7767		/CONSTAN	IT TO BE INDEXE	D	
	2874	8415		I 15		/DO AUTO	THEFY		
	2875	1015		15		POU AUTO	INDEX		
	2076	1846		K0007		ZAC SHOU	LD EQUAL 7777		
	2077	7040	CMA				Co Facke 1111		
	2100	7440	824	1	/AC SHOU	LD BE ZE	RO		
	2181	7482	HLT		/AUTO IN	DEX ERRO	R		
			JAHTO INDEX	TECT 74					
	2182	7200	/AUTO INDEX CLA						
	2183	1031		K7757		/CONOTAN	T 70 07 100	_	
	2104	3015		15	•	CONSIAN	T TO BE INDEXE	D	
	2105	0415		Ī 15		DO AUTO	INDEX		
	2106	1015		15	•	, 54 KO (THEN		
	2107	1045	TAD	KØØ17		AC SHOU	LD EQUAL 7777		
	2110	7040	CMA						
		7440	SZA		/AC SHOUL	D BE ZE	RO		
•	2112	7422	HLT		AUTO IN	EX ERRO	R		
			/AUTO INDEX	TEST 77					
	2113	7200	CLA						
	2114	1027	TAD	K7737	,	CONSTAN	T TO BE INDEXE	1	
		3015	DCA	15				•	
	2116	0415	AND	I 15	,	DO AUTO	INDEX		

Dr-8/E	INSTRU	JCTICN	TEST 2 MAIND	EC-8E-DØBB	PAL1Ø	V441	10-JUN-71	9:49	PAGE 1-25
	2117	1015	7 A	D 15	•				
	2120	1044		D KØØ37		/AC CH	OH D COHAL 9799		
	2121	7040	CM			/AU Shi	OULD EQUAL 7777		
	2122	7440		Ä	/AC SHO	וווים פר :	3580		
	2123	7482		Ť	/AUTO 1				
					7,4010	MULK EN	NOK		
	0404	8 08 6	AUTO INDE						
	2124 2125	7200 1026	CL				_		
	2126	3015		D K7677		/CONST	ANT TO BE INDEX	€D	
	2127	0415		A 15		48.8	Pa =a=v		
	2130	1015		0 I 15 0 15		700 AU	TO INDEX		
	2131	1043		X0077		AAF BUG	OULD EQUAL 7777		
	2132	7040	ĊM.			/AU SHU	POLD EGUAL 7///		
	2133	7440	527		/AC SHO	n pc 3	iran		
	2134	7402	HL1		/AUTO I	NDEX ERR	ROR		
	04.55	#00 <i>a</i>	/AUTO INDEX						
	2135	7200	CLA						
	2136 2137	1025 3015		K7577		/CONSTA	NT TO BE INDEX	ED	
	2140	8415		15					
	2141	1015) [15			/DO AUTO INDE	X	
	2142	1042) 15) KØ177		/A @ @ B D	6 50111 9399		
	2143	7940	CMA			/AU SHU	ULD EQUAL 7777		
	2144	7448	SZA		/AC SHO	III N DE 3	ren		
	2145	7402	HLT		/AUTO I	NDEX ERR	0 R		
	0444	200 0	AUTO INDEX						
	2146 2147	7200 1024	CLA				_		
	2150	3015		K7377		/CONSTA	NT TO BE INDEXE	D	
	2151	8415		15 I 15		400 4117			
	2152	1015		15		/DO AUT	O INDEX		
	2153	1041		K0377		/AC 940	ULD EQUAL 7777		
	2154	7040	CMA			740 300	OFD EMONE ////	;	
	2155	7440	SZA		/AC SHO	HD RF Z	E PO		
	2156	7402	HLT		/AUTO II	NOEX ERR	OR		
	24 = 7	9 28 <i>a</i>	/AUTO INDEX	TEST 81					
	2157	7200	CLA			·			
	2160 2161	1023 3015		K6777		/CONSTA	NT TO BE INDEXE	:D	
	2162	9015 0415	DCA			400			
	2163	1015	TAD	I 15		/DO AUT	O INDEX		
	2164	1040		19 KØ777		/A.R. 600			
	2165	7040	CMA			ZAU SHU	ULD EQUAL 7777		
	2166	7440	SZA		ZAC SHOL	JLD BE ZI	- m n		
	2167	7402	HLT			IDEX ERR			
	2170	7000	NOP		7	TOEN ENN!	Un		
	2171	7000	NOP						
	2172	5376		. + 4					
	2173	7000	NOP						
	2174	7000	NOP						

/PDP-8/E	INSTR	UCTION	TEST 2	MAIND	EC-BE-DØBB	PAL10	V141	18-JUN-71	9149	PAGE	1-24
	84.55	=000			_			W	,,,,	PAGE	+-50
	2175			NO							
	2176			NO							
	2177	7000		NO	•						
		2260	* 22 a	•							
		2260	#220								
	2266	7260	ZAUTI		C TEST 82						
	2200	7200		CL							
	2201	1022			K5777		/CONSTA	NT TO BE INDEXE	D		
	2202	3015			15						
	2203	2415			I 15		/DO AUT	O INDEX			
	2204	7000		NOF							
	2205	1015			15						
	2206	1037) K1777		/AC SHO	ULD EQUAL 7777			•
	2207	7040		CMA		_					
	2210	7448		SZA		/AC SHO	ULD BE Z	ERO			
	2211	7482		HLT	,	/AUTO I	NDEX ERR	OR			
			/AUTO	INDEX	TEST 83						
	2212	7200	, ,, , ,	CLA							
	2213	1021			K3777		4CBNOTA	NE TO DE	_		
	2214	3015			15		FUNSIA	NT TO BE INDEXE	D		
	2215	0415			Î 15		400 4117				
	2216	1815		TAD			/DO AUT	O INDEX			
	2217	1021			K3777		446 000				
	2220	7848		CMA			TAU SHU	ULD EQUAL 7777			
	2221	7448		SZA		AAC CHOI	U D DC 7				
	2222	7402		HLT			JLD BE ZI NDEX ERRI				
				116		74010 11	ANEN ENVI	UK			
	_		/AUTO	INDEX	TEST 84						
	2223	7200		CLA							
	2224	1020		TAD	K7777		/CONSTAI	NT TO BE INDEXE	1		
	2225	3015		DCA							
	2226	8415			! 15		/DO AUTO	DINDEX			
	2227	1015		TAD	15						
	2230	1020		TAD	K7777		/AC SHOU	JLD EQUAL 7777			
	2231	7040		CMA							
	2232	7449		SEA		/AC SHOL	ILD BE ZE	ERO			
	2233	7402		HLT		/AUTO IN	IDEX ERRO	R			
			/AUTA	INDEY	TEST 85						
	2234	7200	, ,,,,,	CLA	1631 65						
	2235	1036		TAD	u a	/CONCTAN	T. T. D.				
	2236	3016		DCA		YUNSIAN	TO BE	INDEXED			
		9416			I 16		406 AUT	LUBEY			
	2240	1016		TAD			/DO AUTO	INDEX			
	2241	1035			K7776		AC CHOU	U.B. COULT BEEN			*
		7040		CMA	11///0		AL SHUU	ILD EQUAL 7777			
		7440		SZA		AAC SHOW	: D DC 2-	.00			
	2244	7402		HLT		/AC SHOU	FU RF FE	NU.			
	,			ri 🔓 i		YACIO IN	טבא דאנו	J.R.			
		***	/AUTO		TEST 86						
	2245	7200		CLA							
	2246	1035		TAD	K7776		/CONSTAN	T TO BE INDEXED			
_											

INE THO	INDCITON	IEST 2 M	AINDEC-8E-D888	PAL10	V.41	10-JUN-71	9149	PAGE 1-27
22	47 3016		DCA 16					
22	50 0416		AND I 16			• • • • • • • • • • • • • • • • • • • •		
	51 1016				700 AU	TO INDEX		
22		•	TAD 16					
22!			TAD KØ	/AC SH	ONTO EON	AL 7777		
			CMA					
22			SZA	/AC SH	OULD BE	ZERO		
22!	55 7482		HLT		INDEX ER			
		4.117.0						
201		PAUTO	INDEX TEST 87					
	6 7200		CLA					
	7 1034		TAD K7775		/CONST.	ANT TO BE INDE	XFD.	
226			DÇA 16		_			
226			DCA I 16		/00 AI	UTO INDEX		
226			TAD 16			THE THE		
226			TAD KØØØ1		ZAC SHE	OULD EQUAL 777	•	
226			CMA		, , , ,	POLD EGOAL ///	,	
226	5 7440		SZA	/AC SHO	ווות פר :	Icno.		
226	6 7482		HLT	/AUTO 1	NOEX ERF	CERU Dom		
			•••	7,4010	MUEN EN	אטר		
		/AUTO 1	INDEX TEST 88					
226	7 7200		CLA					
227	0 1033		TAD K7773		ACONOTA	NE TO DE		
227	1 3016		DCA 16		> CONS IX	INT TO BE INDEX	ED	
227			TAD I 16					
227			CLA		/00 AUT	O INDEX		
227			TAD 16					
227			TAD KØØØ3					
227					/AU SHU	ULD EQUAL 7777	1	
	7 7440		CMA	44.5				
	0 7402		SZA	/AC SHO	ULD BE Z	ERO		
			HLT	/AUTO I	NDEX ERR	OR		
		/AUTO T	NDEX TEST 89					
238	1 7200	,	CLA					
238			TAD K7767					•
230					/CONSTA	NT TO BE INDEX	€D	
230	4 0416		DCA 16			*		
236			AND I 16		/DO AUT	O INDEX		
239			TAD 16					
			TAD KØØØ7		/AC SHO	ULD EQUAL 7777		
2307			CMA	/AC SHO	ULD BE Z	ERO		
2316			SZA	/AUTO I	NDEX ERR	OR		
2311	7482		HLT					
		4411 7 4	NACY TECT AT					
2312	7200	PAUID II	NDEX TEST 90					
			CLA					
2313			TAD K7757		/CONSTAI	NT TO BE INDEX	ED	
2314			DCA 16					
2315			AND I 16		/DO AUT	INDEX		
2316			TAD 16					
2317			TAD KØØ17		ZAC SHOL	JLD EQUAL 7777		
2320			CMA		, ,,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	CO CHONG ////		
2321			SZA	/AC SHOL	II D PE Z-	· n n		
2322	7402		HLT	/AUTO IN	1023 CDD.	. R U		
			· ·	77-10 18	IDEN ENNE	<i>)</i>		
		/AUTO IN	IDEX TEST 91					
			- -					

/PDP-8/E	INSTR	UCTION	TEST	2	MAINDE	C-8E-008B	PAL10	V141	. 1	8-JUN-71	9:49
	2323	7220			CLA						
	2324					K7737		/CON	STANT	TO BE INDEXED	
	2325					16		, 0010		O DE THREYED	
	2326					I 16		700	AUTO	INDEX	
	2327				TAD			,	70.0		
	2330					KØØ37		/AC	SHOUL	EQUAL 7777	
	2331				CMA			,	U 11.5 U.S.	S EBUNE / / / /	
	2332				SZA		/AC SHO	א תווור	r 7co	1	
	2333				HET		/AUTO 1			•	
			14	UTO	INDEX	TEST 92					
	2334				CLA						
	2335				TAD	K7677		/CON	STANT	TO BE INDEXED	
	2336	3016				16		, , , , , ,	•		
	2337	0416				I 16		/00	AUTO 1	INDEX	
	2348	1016			TAD				•	,	
	2341	1843				KØØ77		/AC	SHOUL	D EQUAL 7777	
		7040			CMA			•			
		7448			SZA		/AC SHO	DUI D RI	F ZFO()	
	2344	7482			HLT		/AUTO I				
			/4	UTO	INDEX	TEST 93					
	2345	7289			CLA						
	2346	1025				K7577		/CONS	STANT	TO BE INDEXED	
	2347	3816			DCA				- '*'		
	2350	0416			AND	Î 16		/00 /	AUTO I	NDEX	
	2351	1916			TAD						
	2352	1042				KØ177		/AC S	SHOULD	EQUAL 7777	
	2353	7040			CMA						
	2354	7440			SZA		/AC SHO	ULD BE	. ZFRO		
	2355	7482			HLT		/AUTO I				
			4 4 1		. NASY	TEST 04					
	0784	908a	/ ^	010		TEST 94					
	2356	7289			CLA	47700		4000			
	2357	1024				K7377		CONS	STANT	TO BE INDEXED	
	2360	3016			DCA						
	2361	0416				1 16		/00 /	LUTO I	NDEX	
	2362	1016			TAD						
	2363	1041				KØ377		/AC S	SHOULD	EQUAL 7777	
		7848			CMA			= ==			
	2365 2366	7440 7402			SZA HLT		/AC SHO /AUTO I				
		B64 -	/Al	UTO		TEST 95					
	2367	7200			CLA						
	2370	1023				K6777		/CONS	TANT	TO BE INDEXED	
	2371	3016			DÇA						
	2372	8416				I 16		/D0 A	UTO I	NDEX	
	2373	1016			TAD						
	2374	1040				KØ777		/AC S	HOULD	EQUAL 7777	
	2375	7040			CMA						
	2376	7440			SZA		/AC SH			0	
	2377	7482			HLT		/AUTO II	NDEX E	RROR		

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		/TEST 2 - TAPE 3	
		-4	
	2400	*24ØØ	
		AUTO INDEX TEST 96	
2400	7200	CLA	
2401	1022	TAD K5777	/CONSTANT TO BE INDEXED
2402	3016	DCA 16	
2483	2416	ISE I 16	/DO AUTO INDEX
2404	7000 1016	NOP TAD 16	
24 9 5 24 9 6	1037	TAD K1777	/AC SHOULD EQUAL 7777
2487	7040	CMA	
2410	7440	SZA	/AC SHOULD BE ZERO
2411	7402	HLT	/AUTO INDEX ERROR
		4.11mg +11mmy #P69 69	
		AUTO INDEX TEST 97	
2412 2413	7290 1021	CLA TAD K3777	/CONSTANT TO BE INDEXED
2414	3016	DCA 16	7 40110111111111111111111111111111111111
2415	9416	AND I 16	/DO AUTO INDEX
2416	1016	TAD 16	
2417	1021	TAD K3777	/AC SHOULD EQUAL 7777
	7040	CMA	/AC SHOULD BE ZERO
2421	744Ø 7402	sæa Hlt	AUTO INDEX ERROR
2422	7702	75 ·	And Mach Fundi
		AUTO INDEX TEST 98	
2423	7200	CLA V7777	CONSTANT TO BE INDEXED
2424	1020	TAD K7777 DCA 16	ACOMBINAL TO DE THORNED
2425 2426	3016 0416	AND 1 16	/DO AUTO INDEX
2427	1016	TAD 16	
2430	1020	TAD K7777	/AC SHOULD EQUAL 7777
2431	7040	CMA	
2432	7440	SZA	/AC SHOULD BE ZERO
2433	7482	HLT	AUTO INDEX ERROR
		AUTO INDEX TEST 99	
2434	7200	CLA	
2435	1936	TAD KØ	CONSTANT TO BE INDEXED
2436	3017	DCA 17	ARE MITE TARRY
2437	0417	AND I 17	/DO AUTO INDEX
2440	1017	TAD 17 TAD K7776	/AC SHOULD EQUAL 7777
2441	1035 7040	CMA	AND SHAMED ERAME 11/1
2442 2443	7440	SZA	/AC SHOULD BE ZERO
2444	7402	HLT	AUTO INDEX ERROR
_ , ,		• •	

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/PDP-8/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                               PAL10
                                                       V141
                                                               10-JUN-71
                                                                                       PAGE 1-38
                                                                          9:49
                        /AUTO INDEX TEST 100
         2445 7200
                               CLA
          2446 1035
                               TAD K7776
                                                     /CONSTANT TO BE INDEXED
          2447
               3017
                               DCA 17
         2450 0417
                               AND I 17
                                                       /DO AUTO INDEX
         2451 1017
                               TAD 17
         2452 1036
                               TAD KØ
                                               /AC SHOULD EQUAL 7777
         2453 7040
                               CMA
         2454 7440
                               SZA
                                               /AC SHOULD BE ZERO
         2455 7402
                               HLT
                                               /AUTO INDEX ERROR
                       /AUTO INDEX TEST 101
         2456 7200
                               CLA
         2457 1034
                               TAD K7775
                                                     /CONSTANT TO BE INDEXED
         2460 3017
                               DCA 17
         2461 3417
                               DCA 1 17
                                                      /DO AUTO INDEX
         2462 1917
                               TAD 17
         2463 1851
                               TAD KØØØ1
                                                      /AC SHOULD EQUAL 7777
         2464 7848
                               CMA
         2465 7440
                               SZA
                                               /AC SHOULD BE ZERO
         2466 7482
                               HLT
                                               /AUTO INDEX ERROR
                       /AUTO INDEX TEST 182
         2467 7280
                               CLA
         2470
              1033
                               TAD K7773
                                                     /CONSTANT TO BE INDEXED
         2471 3817
                               DCA 17
         2472 1417
                               TAD I 17
                                                      /DO AUTO INDEX
         2473 7200
                               CLA
         2474 1017
                               TAD 17
         2475 1847
                               TAD KØØØ3
                                                      /AC SHOULD EQUAL 7777
              7940
         2476
                               CMA
         2477 7440
                               SZA
                                               /AC SHOULD BE ZERO
         2580 7402
                               HLT
                                               /AUTO INDEX ERROR
                       /AUTO INDEX TEST 103
         25@1
              7200
                               CLA
         2582 1032
                               TAD K7767
                                                      /CONSTANT TO BE INDEXED
         2583 3017
                               DCA 17
         2584 8417
                               AND I 17
                                                      /DO AUTO INDEX
         2585 1917
                               TAD 17
         2586
              1046
                               TAD KØØØ7
                                                      /AC SHOULD EQUAL 7777
         2507 7040
                               CMA
         2510 7440
                               SZA
                                               /AC SHOULD BE ZERO
        2511 7402
                               HLT
                                               JAUTO INDEX ERROR
                       /AUTO INDEX TEST 104
        2512 7200
                               CLA
        2513 1031
                              TAD K7757
                                                              /CONSTANT TO BE INDEXED
        2514 3017
                              DCA 17
        2515 0417
                              AND I 17
                                                      /DO AUTO INDEX
        2516 1017
                              TAD 17
        2517 1045
                              TAD K0017
                                                      /AC SHOULD EQUAL 7777
        2520 7040
                              CMA
        2521 7440
                                              /AC SHOULD BE ZERO
                              SZA
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JE INSTRUCTION TEST 2 MAINDEC-8E-DØBB
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                                                     V⊥+1
                                                                             9:49
                                                                                      PAGE 1-31
     2522 7482
                            HLT
                                            /AUTO INDEX ERROR
                    JAUTO INDEX TEST 105
     2523 7200
                            CLA
     2524
           1027
                            TAD K7737
                                                    /CONSTANT TO BE INDEXED
     2525 3017
                            DCA 17
     2526 Ø417
                            AND I 17
                                                    /DO AUTO INDEX
     2527
          1017
                            TAD 17
     2530
           1044
                            TAD KØØ37
                                                    /AC SHOULD EQUAL 7777
     2531
           7040
                            CMA
          7440
     2532
                            SZA
                                            /AC SHOULD BE ZERO
     2533
          7402
                            HLT
                                            /AUTO INDEX ERROR
                    /AUTO INDEX TEST 106
          7200
     2534
                            CLA
     2535
           1026
                            TAD K7677
                                                    /CONSTANT TO BE INDEXED
     2536
           3017
                            DCA 17
     2537
           0417
                            AND 1 17
                                                    /DO AUTO INDEX
     2540
          1017
                            TAD 17
     2541
          1043
                            TAD KØØ77
                                                    /AC SHOULD EQUAL 7777
     2542
           7948
                            CMA
     2543
          7440
                            SZA
                                             /AC SHOULD BE ZERO
     2544 7482
                            HLT
                                            /AUTO INDEX ERROR
                   /AUTO INDEX TEST 107
    2545
           7289
                           CLA
    2546
           1025
                           TAD K7577
                                                    /CONSTANT TO BE INDEXED
    2547
          3017
                           DCA 17
    2550
          8417
                           AND I 17
                                                    /DO AUTO INDEX
    2551 1817
                           TAD 17
    2552
          1942
                           TAD KØ177
                                                    /AC SHOULD EQUAL 7777
    2553
          7840
                           CMA
    2554 7448
                           SEA
                                            /AC SHOULD BE ZERO
    2555 7402
                           HLT
                                           /AUTO INDEX ERROR
                   /AUTO INDEX TEST 108
    2556
          7200
                           CLA
    2557
          1024
                           TAD K7377
                                                    /CONSTANT TO BE INDEXED
    2560 $017
                           DCA 17
    2561 Ø417
                           AND I 17
                                                    /DO AUTO INDEX
    2562 1817
                           TAD 17
    2563 1041
                           TAD KØ377
                                                    /AC SHOULD EQUAL 7777
    2564 7040
                           CMA
    2565 7440
                           SZA
                                           /AC SHOULD BE ZERO
    2566 7402
                                           /AUTO INDEX ERROR
                           HLT
                   /AUTO INDEX TEST 109
    2567 7200
                           CLA
    2570 1023
                           TAD K6777
                                                    /CONSTANT TO BE INDEXED
    2571 3017
                           DCA 17
    2572 0417
                           AND 1 17
                                                    /DO AUTO INNEX
    2573 1017
                           TAD 17
```

/AC SHOULD EQUAL 7777

2574 1040

TAD KØ777

/PDP-8/E	INSTRU	CTION	TEST 2	MAINDEC-8E	8 600-	PAL10	V141	10-JUN-71	9;49	PAGE 1-32
	2575	7040		CMA						
	2576	7440		SZA			OULD BE			
•	2577	7402		HLT		/AUTO	INDEX ER	ROR		
	•	2600	#260	0						
			ZAUT	O INDEX TES	ST 110					
	2600	7200		CLA	777		/CONST	ANT TO BE INDE	XED	
	2601	1022		TAD K51 DCA 17			,00110	MIN 10 -0 111-0		
	2602	3017		ISE I			JOO AL	JTO INDEX		
	2683	2417		NOP	. ,		, , ,			
- *	2684	7000 1017		TAD 17						
	26 8 5 26 8 6	1037		TAD K1			/AC SH	IOULD EQUAL 777	7	
	2697	7949		CMA	• • •					
	2610	7440		SZA		/AC SH	OULD BE	ZERO		
	2611	7402		HLT			INDEX EF			
			/AUT	O INDEX TE	ST 111					
	2612	7200	,	CLA						
	2613	1921		TAD K3	777		/CONST	TANT TO BE INDE	XED	
	2614	3017		DCA 17						
	2615	8417		AND I	17		100 AL	JTO INDEX		
	2616	1017		TAD 17					_	
	2617	1921		TAD K3	777		/AC SH	HOULD EQUAL 777	7	
	2629	7849		CMA						
	2621	7440		SEA			OULD BE			
	2622	7482		HLT		/AUTO	INDEX EF	KHOR		
	0407	7200	/AUT	O INDEX TE	ST 112					
	2623 26 24	1920		TAD K7			/CONS?	TANT TO BE INDE	XED	
	2625	3017		DCA 17			ADD AL	JTO INDEX		
	2626	0417		AND I			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
	2627 2630	1017 1020		TAD K7	777		/AC SH	HOULD EQUAL 777	7	
	2631	7948		CMA				3-20		
	2632	7440		AES			OULD BE			
	2633	7482		HLT		ZAUTO	INDEX E	KRUR		
			/AUT	O INDEX TE	ST 113					
	2634	5236		JMP .+	2	= =				
	2635	7402		HLT		/JMP F				
	2636	7410		SKP		/JMP W	IORKED (A LITTLE)		
	2637	2644		2644						
	2640	1237		TAD						
	2641	3010		DCA 10			/TEET	THETPHETTION		
	2642	5410		JMP I	10	/ iMins 1	NDIRECT	INSTRUCTION		
	2643	7402		HLT		7 JUN 1	TION 244	Ø. NO INDEX		
	2644	7402		HLT			EFER STA			

		AAUTA TAIR	EX TEST 114	
0445	4247		MS .+2	
2645	7482		LT	JMS FAILED
2646 2647	7462		֡֞֞֞֜֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֡֓֓֓֡֓	/JMS FAILED
2650	1247		AD1	
2651	7410		KP	
2652	2646		-4	•
2653	7041		IA	
2654	1252		AD2	
2655	7440		ŽĀ	
2656	7482		ĹŤ	/WRONG ADDRESS STORED
2030		• •	•	DURING JMS
2657	7410	S	KP	/JMS WORKS (I GUESS)
2660	2664		+4	
2661	1260		AD1	
2662	3010		CA 10	
2663	4419	. Ĵ	MS 1 10	/TEST INSTRUCTION
2664	7482		LT	JMS FAILED
2665	7402		LT	/JMS FAILED
2666	1265		AD1	
2667	7410	S	KP	
2678	2664		-4	
2671	7041	C	IA	
2672	1270	T	AD2	
2673	7440	_	ZA	
2674	7482	¥	LT	/WRONG ADDRESS STORED DURING JMS
E .				
2675	3 676	Ĵ	MP I .+1	/GO TO PROCESSOR LOT TESTS
		J P	MP I .+1 IOTST	
2675	3 676	Ĵ	MP I .+1 IOTST	
2675	3 676	J P	MP 1 .+1 IOTST T TEST 1	
2675 2676	3676 4200	J P VINTERRUP INTEST, J S	MP I .+1 TOTST T TEST 1 MS I .+1 TR	/GO TO PROCESSOR LOT TESTS
2675 2676 2677	5676 4200 4700 4711 4840	J P VINTERRUP INTEST, J S S	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF	
2675 2676 2677 2780	5676 4290 4700 4700 4811 6040 6041	J P VINTERRUP INTEST, J S S	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF	/GO TO PROCESSOR LOT TESTS /SET PRINTER FLAG
2675 2676 2677 2780 2781 2782 2783	5676 4200 4700 4700 4811 6040 6041 7402	J P PINTERRUP INTEST, J S S T H	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF	/GO TO PROCESSOR LOT TESTS
2675 2676 2677 2780 2781 2782 2783 2784	5676 4200 4700 4700 4811 4848 4841 7482 7280	J P PINTERRUP INTEST, J S S T H	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT	/SET PRINTER FLAG /SPF OR TSF FAILED
2675 2676 2677 2780 2781 2782 2783 2784 2785	5676 4200 4700 4700 4811 6041 7402 7200 1313	J P VINTERRUP INTEST, J S S T H C	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1	/GO TO PROCESSOR LOT TESTS /SET PRINTER FLAG
2675 2676 2677 2788 2781 2782 2783 2784 2785 2786	5676 576 576 576 576 576 576 576	J P P INTERRUP INTEST, J S S T H C C T	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2	/SET PRINTER FLAG /SPF OR TSF FAILED
2675 2676 2677 2788 2781 2782 2783 2784 2785 2786 2787	5676 429 4799 4811 4841 4841 7499 7310 300 1300 1300	J P P INTERRUP INTEST, J S S T H C C T C C T C C T C C T C C C T C C C T C	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON	/SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON
2675 2676 2677 2788 2781 2782 2783 2784 2785 2786 2787 2718	5676 676 676 676 676 676 676 676	J P P INTERRUP INTEST, J S S T H C C T C C C C C C C C C C C C C C C	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON OP	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ
2675 2676 2677 2788 2781 2782 2783 2784 2785 2786 2787 2718 2711	5699 4818 4884 4884 4884 4884 5886	J P P P P P P P P P P P P P P P P P P P	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON OP	/SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON
2675 2676 2677 2788 2781 2782 2783 2784 2785 2786 2718 2718 2711 2712	5699 4769 4718 4718 4718 4718 4718 4718 4718 4718	INTEST, J S S T H C T O UT1.	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON OP LT =1	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ
2675 2676 2677 2780 2781 2783 2783 2785 2786 2787 2711 2712 2713	560 560 560 561 560 560 560 560 560 560 560 560 560 560	JPP /INTERRUP INTEST, J S S T H C I I O UT1. BACK1.	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON OP LT =1 +1	/SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC 9000
2675 2676 2677 2788 2788 2783 2784 2785 2786 2787 2711 2712 2713 2714	562 562 562 563 563 563 563 563 563 563 563	INTEST, J S S T H C T O UT1: BACK1, S	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON OP LT -1 +1 EA	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1
2675 2676 2677 2780 2781 2783 2783 2785 2786 2787 2711 2712 2713	560 560 560 561 560 560 560 560 560 560 560 560 560 560	INTEST, J S S T H C T O UT1: BACK1, S	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA 2 ON OP LT =1 +1	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1 /AC SHOULD BE Ø
2675 2676 2677 2789 2789 2783 2785 2786 2787 2711 2712 2713 2714 2715	562 760 910 910 910 910 910 910 910 91	JPP /INTERRUP INTEST, J S S T H C I I O I I O I O I O I O I O I O I O I	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA ON OP LT =1 +1 ZA LT	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1
2675 2676 2677 2788 2788 2788 2788 2788 2788	560 560 560 560 560 560 560 560	JPP /INTERRUP INTEST, J S S T H C I I O I I N H O I BACK1, S H	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA ON OP LT -1 +1 ZA LT AD Ø	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1 /AC SHOULD BE Ø
2675 2676 2677 2788 2788 2788 2788 2789 2789 2711 2712 2713 2714 2715 2716 2717	542 7918120321021402 0118120321021402 0118120321021402 01181203214000000000000000000000000000000000	JPP /INTERRUP INTEST, J S T G I OUT1. BACK1. S H T	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA BACK1 GA ON OP LT -1 +1 ZA LT AD Ø IA	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1 /AC SHOULD BE Ø
2675 2676 2677 2788 2788 2788 2788 2788 2788	542 7518120321402 012 799 818120321021402 012 10918120321021402 012	JPP /INTERRUP INTEST, J ST H CC INTEST, J ST H CC INTEST, J ST H CC IT C	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA ON OP LT -1 +1 ZA LT AD Ø	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1 /AC SHOULD BE Ø
26775 267776 2677812 277883 277883 277887771 27782771 27711 27712 277227 277227 277227 277227 277227	542 7918120321021402 0118120321021402 0118120321021402 01181203214000000000000000000000000000000000	JPP /INTERRUP INTEST, J ST H CT UIT N H CUT1. BACK1. SH	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA ON OP LT =1 +1 EA LT AD Ø IA AD OUT1	/GO TO PROCESSOR TOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1 /AC SHOULD BE Ø
2675 2676 2677 2788 2788 2788 2788 2788 2788	542 7518120321402 0120 799 01812003210021402 0120 9181203210021402 0120 17136772277 17136	JPP /INTERRUP INTEST, J ST H CT UIT N H CUT1. BACK1. SH	MP I .+1 IOTST T TEST 1 MS I .+1 TR PF SF LT LA AD BACK1 GA ON OP LT =1 +1 EA LT AD Ø IA AD OUT1 EA AD CLA	/GO TO PROCESSOR IOT TESTS /SET PRINTER FLAG /SPF OR TSF FAILED /FLAG IS ON /GO TO LOC ØØØØ /NO INTERRUPT /RETURN FROM LOC 1 /AC SHOULD BE Ø /CONFIDENCE CHECK

```
/INTERRUPT TEST 2
                                       JSET PRINTER FLAG
2723 6040
                      SPF
     6041
                      TSF
2724
                                       /SPF FAILED TO SET PRINTER FLAG
2725 7402
                       HLT
                                       /FLAG IS ON
2726 7200
                       CLA
                      TAD BACK3
2727 1335
2730 3002
                      DCA 2
2731 6001
                       ION
                      TAD K7777
2732 1020
                                       /NO INTERRUPT
2733 7402
                       HLT
2734 2733
              OUT3,
                       .-1
2735 2736
              BACKS,
                       . +1
                                       /RETURN FROM LOC1
2736 7040
                      CMA
2737 7440
                       SZA
                                       /CONFIDENCE CHECK
2740 7482
                       HLT
                                       /AC SHOULD BE Ø
2741 1000
                       TAD Ø
2742 7841
                      CIA
                      TAD OUT3
2743 1334
                                       /INTERRUPT ERROR
2744 7640
                      SEA CLA
                                       /WRONG ADDRESS STORED
2745 7402
                      HLT
              /INTERRUPT TEST 3
                                       SET PRINTER FLAG
2746 6040
                      SPF
2747 6841
                      TSF
                                       /SPF FAILED TO SET PRINTER FLAG
2750 7492
                      HLT
                                       /FLAG IS ON
2751 7200
                       CLA
                      TAD BACK2
2752 1361
2753 3902
                      DÇA 2
                      TAD K7777
2754 1929
2755 4881
                       ION
                      AND K7777
2756 9029
                                       INO INTERRUPT
2757 7482
                       HLT
    2757
              OUT2,
2760
                       . -1
     2762
              BACK2,
                       . +1
2761
                                       /RETURN FROM LOC1
                       CMA
     7949
2762
                       SEA
     7440
2763
                                       /CONFIDENCE CHECK
2764 7482
                       HLT
                                       /AC SHOULD BE Ø
2765 1000
                       TAD Ø
2766 7041
                       CIA
                      TAD OUT2
2767 1360
                       SZA CLA
2770
     7640
                                       /INTERRUPT ERROR
2771
      7482
                       HLT
                                       /WRONG ADDRESS STORED
2772 5773
                       JMP I .+1
2773 3000
                       3000
      3000
              *3000
              /INTERRUPT TEST 4
                                       SET PRINTER FLAG
      6040
                       SPF
3000
3001 6041
                       TSF
```

/PDP-8/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB

((
/PDP-J/E	INSTRU	CTION	TEST 2 MA	INDEC-	8E-DØBR	PAL10	V1-1	10-JUN-71	9149	04CF 1-38	
				,,,,,,,	5525		V 4 7 4	18-2014-11	9149	PAGE 1-35	•
	3002	7482		HLT		/SPF FA	LED TO	SET PRINTER	ELAC		
	3003	7200		CLA		/FLAG IS		DET THANKIER	FERG		
	3004	1213		TAD E	ACK4	,, =,0	, O, V				
	3005	3002		DCA 2							
	3006	1020		TAD K							
	3007	6001		ION	,,,,						
	3010	3023		DCA 3							
	3011	7482		HLT		/NO INTE	PRUDT				
	3012	3011	OUT4,	,-1		ANO THIS	RRUPI				
	3013	3014	BACK4,								
	3014	7440	BAUNTI	.+1		/DETUDA	508W 10				
	3015	7482		SZA		/RETURN					
	3017	7402		HLT		/CONFIDE					
	7044	1023				/AC SHOU	FD BE =	ERO			
	3016			TAD 3							
	3017	7040		CMA							
	3020	7440		SZA			_	• •			
	3021	7482		HLT		/DCA PRI	OR TO I	NTERRUPT			
				_		/FAILED					
	3022	3003		DCA 3							
	3023	1000		TAD Ø							
	3024	7041		CIA							
	3025	1212		TAD D							
	3026	7648		SZA C	LA						
	3027	7482		HLT		/INTERRU	PT ERRO	R			
					•	/WRONG A	DDRESS :	STORED			
		4040	/INTERRU		ST 5						
	3030	6848		SPF		/SET PRI	NTER FL.	A G			
	3031	6041		TSF							
	3032	7402		HLT		/SPF FAI	LED TO :	SET PRINTER	FLAG		
	3033	7200		CLA		/FLAG I	S ON				
	3034	1244		TAD B	ACK5				N. m.		
	3035	3002		DCV 5							
	3036	1035		TAD K	//76						
	3037	3003		DCA 3							
	3040	6001		ION							
	3041	2003		1SZ 3							
	3042	7402		HLT		/NO INTE	PRUPT				
	3043	3842	OUT5,	-1		7 140 214 . 21					
	3044	3945	BACKS,	.+1							
	3845	7440		ŠZĀ		/RETURN	FROM LOC	14			
	3046	7402		HLT		/CONFIDE					
						/AC SHOUL	D RF ZF	RO			
	3047	1003		TAD 3							
	3050	7940		CMA							
	3051	7440		SZA							
	3052	7402		HLT		/ISE PRI	R TO				
						/INTERRU		D			
		3003		DCA 3		•,	5	· -			
		1000		TAD Ø							
		7041		CIA							
		1243		TAD OU							
		7640		SZA CL	. A						
	3060	7402		HLT		/INTERRUF	T ERROR	}			

/WRONG ADDRESS STORED

		/INTERR	UPT TEST 6	
3061	6040		SPF	SET PRINTER FLAG
3062 3063	6041 7422		TSF HLT	SPF FAILED TO SET PRINTER FLAG
3064	7200		CLA	/FLAG IS ON
3065	1276		TAD BACK6	
3066	3002		DCA 2	
3067 3070	1020 3 023		TAD K7777	
3075	6001		DCA 3 ION	
3072	2023		152 3	
3073	7402		HLT	/NO INTERRUPT
3074	7482		HLŢ	
3075 3076	3074 3077	OUT6,	,-1	
3077	7440	BACK6,	.+1 SZA	RETURN FROM LOC 1
3100	7482		HLT	CONFIDENCE CHECK
			. •	/AC SHOULD BE ZERO
3101	1003		TAD 3	
31 0 2 3103	7448 7482		SZA HLT.	ATER BRIAN TA
3180	/ 102		ME 1	/ISZ PRIOR TO /INTERRUPT FAILED
3184	3023		DCA 3	A LANGUAGE PRIZED
3185	1000		TAD Ø	
3106	7041		CIA	
3107	1275		TAD QUT6	
T14 0			CZA C: A	
3110 3111	7640 7402		SEA CLA HLT	/INTERRUPT FRROR
3119	7402		SEA CLA HLT	/INTERRUPT ERROR /WRONG ADDRESS STORED
3111	7402	/INTERRU		
3111	7402	/INTERRU	HLT JPT TEST 7 SPF	
3111 3112 3113	7402 6040 6041	/INTERRU	HLT JPT TEST 7 SPF TSF	/WRONG ADDRESS STORED /SET PRINTER FLAG
3111 3112 3113 3114	7402 6040 6041 7402	/INTERRU	HLT JPT TEST 7 SPF TSF HLT	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG
3111 3112 3113	7402 6040 6041	/INTERRU	HLT JPT TEST 7 SPF TSF	/WRONG ADDRESS STORED /SET PRINTER FLAG
3111 3112 3113 3114 3115 3116 3117	7402 6040 6041 7402 7200 1324 3082	/INTERRU	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG
3111 3112 3113 3114 3115 3116 3117 3120	7402 6041 7402 7200 1324 3082 6001	/INTERRU	JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG
3111 3112 3113 3114 3115 3116 3117 3120 3121	7402 6840 6841 7402 7200 1324 3082 6881 5321	/INTERRU	JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP .	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122	7402 4840 6841 7402 7200 1324 3082 6881 5321 7402		HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP . HLT	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG
3111 3112 3113 3114 3115 3116 3117 3120 3121	7402 6840 6841 7402 7200 1324 3082 6881 5321	/INTERRU	JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP .	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124 3125	7402 40412 40412 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 7402	0 UT7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP HLT .=2 .+1 SZA	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124	7402 40412 40412 7232 4001 13001 53122 53125	0 UT7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP HLT2 .+1	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1 /CONFIDENCE CHECK
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124 3125 3126	7402 441204211250 441204211250 5412150 5712740	0 UT7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP HLT2 -+1 SZA HLT	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124 3125 3126	7402 40412 40412 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 4004 7402 7402	0 UT7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP . HLT .=2 .+1 SZA HLT TAD Ø	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1 /CONFIDENCE CHECK
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124 3125 3126	7402 40412 40412 40412 40412 40812 4	0 UT7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP HLT2 -+1 SZA HLT	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1 /CONFIDENCE CHECK
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124 3125 3126 3131 3132	7402 40412 40400 7400 7400 7400 7400 7400 7400 74	OUT7, Back7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP HLT .=2 .41 SZA HLT TAD Ø CIA TAD OUT7 SZA CLA	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1 /CONFIDENCE CHECK /AC SHOULD BE Ø
3111 3112 3113 3114 3115 3116 3117 3120 3121 3122 3123 3124 3125 3126 3127 3130 3131	7402 40412 40412 40412 40412 40812 4	OUT7, Back7,	HLT JPT TEST 7 SPF TSF HLT CLA TAD BACK7 DCA 2 ION JMP HLT .=2 .+1 SZA HLT TAD Ø CIA TAD OUT7	/WRONG ADDRESS STORED /SET PRINTER FLAG /SPF FAILED TO SET PRINTER FLAG /FLAG IS ON /NO INTERRUPT /RETURN FROM LOC 1 /CONFIDENCE CHECK

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9:49
                                                                                    PAGE 1-37
J/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                            10-JUN-71
                   /INTERRUPT TEST 8
                                           /SET PRINTER FLAG
    3134 6040
                           SPF
     3135 6041
                           TSF
                                           /SPF FAILED TO SET PRINTER FLAG
    3136 7482
                           HLT
                                           /FLAG IS ON
    3137 7200
                           CLA
     3140 1346
                           TAD BACKS
     3141 3002
                           DCA 2
     3142 6001
                           ION
                           JMS 3
     3143 4023
                                           INO INTERRUPT
    3144 7482
                           HLT
     3145 3144
                   DUT8,
                           . -1
    3146 3147
                   BACK8,
                           . +1
                                           /RETURN FROM LOC 1
    3147 7440
                           SZA
                                           /CONFIDENCE CHECK
     3150 7402
                           HLT
                                           /AC SHOULD BE ZERO
    3151 1003
                           TAD 3
    3152 7941
                           CIA
                           TAD OUTS
    3153 1345
     3154 7440
                           SZA
                                           /JMS ERROR PRIOR
     3155 7482
                           HLT
                                           /TO INTERRUPT WRONG
                                           /ADDRESS STORED
    3156 1000
                           TAD &
    3157 7041
                           CIA
                           TAD K4
     3160 1065
          7648
                           SEA CLA
     3161
                                           /INTERRUPT ERROR
    3162 7402
                           HLT
                                           /WRONG ADDRESS STORED
    3163 5/64
                           JMP 1 .+1
                           3200
    3164 3200
           3200
                   -3299
                   JINTERRUPT TEST 9
                                           /SET PRINTER FLAG
    3200 6040
                           SPF
    3201 6041
                           TSF
                                           ISPF FAILED TO SET PRINTER FLAG
    3282 7492
                           HLT
                                           /FLAG IS ON
    3203 7200
                           CLA
                           TAD BACK9
     3204 1213
    3205
          3002
                           DCA 2
                           TAD K7777
     3206 1020
    3207 6001
                           ION
    3210 7200
                           CLA
                                           /NO INTERRUPT
                           HLT
    3211 7402
    3212 3211
                   DUT9.
                           . -1
                   BACK9,
    3213 3214
                           .+1
                                           /RETURN FROM LOC 1
    3214 7440
                           SZA
                                           /CLA PRIOR TO INTERRUPT
    3215 7402
                           HLT
                                           /FAILED
    3216 1000
                           TAD Ø
    3217 7041
                           CIA
                           TAD DUT9
    3220 1212
```

SZA CLA

3222 7482 HLT /INTERRUPT FAILED / MRONG ADDRESS STORED 3223 6840 SPF / SET PRINTER FLAG 3224 6841 TSF / SPF FAILED TO SET PRINTER FLAG 3225 7289 CLA /FLAG IS ON 3226 7289 CLA / FLAG IS ON 3227 1236 SBC2 DCA 2 3238 3862 DCA 2 3231 6841 TSF / NO INTERRUPT 3232 7482 HLT / NO INTERRUPT 3233 7482 HLT / NO INTERRUPT 3234 7482 HLT / CONFIDENCE CHECK 3241 1888 SAG CLA / LA 3242 7841 1888 SAG CLA 3245 7482 HLT / SPF FAILED TO SET PRINTER FLAG 3247 7482 HLT / NO INTERRUPT 3248 7482 HLT / CONFIDENCE CHECK 3241 1888 SAG CLA / LA 3245 7482 HLT / INTERRUPT ERROR WHONG ADDRESS STORED /INTERRUPT TEST 11 3246 4848 SPF / SPF / SPF FAILED TO SET PRINTER FLAG 3247 7482 HLT / SPF FAILED TO SET PRINTER FLAG 3248 4848 SPF / SPF / SPF FAILED TO SET PRINTER FLAG 3249 4881 ION 3259 4882 ION 3250 4882 ION	/PDP~8/E	INSTR	UCTION	TEST 2	MAINDEC-	-8E=DØBB	PAL10	V141	10-JUN-71		9:49
3223 6848 SFF		3222	7482		HLT		/INTERF	RUPT FAI	LED STORED		
3223 6848 SPF				/ INTE	RRHIDT TE	ST 40					
3226 6841 TSF 3226 7280 CLA 3227 1236 CDA 2 3231 6861 ION 3232 6861 ION 3232 6861 ION 3233 7462 HLT /SF FAILED TO SET PRINTER FLAG 3231 6861 ION 3232 6861 ION 3233 7462 HLT /NO INTERRUPT 3233 7462 HLT /CONFIDENCE CHECK 3241 1888 TAD 8 3242 7841 CIA 3247 7448 SPF 3243 7482 HLT /CONFIDENCE CHECK AC SHOULD BE ZERD /INTERRUPT TEST 11 3246 4848 SPF 3247 6841 TSF 3258 7482 HLT /SF FAILED TO SET PRINTER FLAG 3251 7288 CLA 3252 7482 HLT /SF FAILED TO SET PRINTER FLAG 3253 3892 DGA 2 3254 6891 ION 3255 6892 IOF 3264 6891 ION 3265 6892 IOF 3266 6891 ION 3267 6892 IOF 3266 6891 ION 3267 6892 IOF 3268 6891 ION 3271 6892 IOF 3272 6892 IOF 3273 6892 IOF 3274 6891 ION 3271 6892 IOF 3276 6892 IOF 3276 6891 ION 3277 6892 IOF 3276 6891 ION 3277 6892 IOF 3278 6891 ION 3271 6892 IOF 3276 6891 ION 3277 6892 IOF 3276 6891 ION 3277 6892 IOF 3276 6891 ION 3277 6892 IOF 3278 6892 IOF 3278 6891 ION 3278 6892 IOF 3278 6891 ION 3279 6892 IOF 3278 6892 IOF 3278 6891 ION 3278 6892 IOF 3278 6892 I		3223	6040	71112		31 10	JSET DE	INTED E	1 40		
3225 7482 HLT							7321 71	THIER I	LAG		
3226 7228 CLA 3227 1236 TAD BACK18 3237 3092 OCA 2 3231 6861 ION 3232 6861 TSF 3233 7462 HLT /NO INTERRUPT 3236 3237 8ACK18, +1 3237 7448 SZA /RETURN FROM LOC 1 3248 7482 HLT /CONFIDENCE CHECK 3241 1888 TAD 8 3242 7441 CIA 3243 1235 TAD OUT18 3244 7482 HLT /AC SHOULD BE ZERO 3244 7482 HLT /AC SHOULD BE ZERO 3244 7484 SZA CLA 3245 7482 HLT /INTERRUPT ERROR /HRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4848 SPF /SET PRINTER FLAG 3257 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3259 3311 TAD BACK11 3253 3882 OCA 2 3254 4881 ION 3255 4882 IOF 3256 4881 ION 3257 4882 IOF 3258 4881 ION 3259 3261 ION 3257 4882 IOF 3258 4881 ION 3257 4882 IOF 3258 4881 ION 3257 4882 IOF 3258 4881 ION 3259 4881 ION 3257 4882 IOF 3258 4882 IOF 3259 4882 IOF 3259 4881 ION 3257 4882 IOF 3258 4882 IOF 3259 4882 IOF 3							/SPC EA	TIED TO		6 1.40	
327 1236							/51 F F A	S ON	DEI PRINIER	FLAG	
3235 3882 DCA 2 3231 4881 ION 3232 6841 TSF 3233 7482 HLT						ACK19	/ LAG 1	3 014			
3231 6801 TON 3232 6841 TSF 3233 7402 HLT											
3232 6841 TSF 3233 7402 HLT											
3233 7482 HLT /NO INTERRUPT 3234 7482 HLT /NO INTERRUPT 3235 3234 OUT18,1 3236 3237 BACK16, .*1 3237 7448 SZA /RETURN FROW LOC 1 3248 7482 HLT /CONFIDENCE CHECK /AC SHOULD BE ZERO 3242 7841 CIA 3243 1235 TAD OUT18 3244 7648 SZA CLA HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4848 SPF /SET PRINTER FLAG 3251 7288 CLA 3253 3882 DCA 2 3254 4881 ION 3255 6882 IOF 3256 6881 ION 3257 6882 IOF 3256 6881 ION 3257 6882 IOF 3258 6882 IOF 3258 6881 ION 3259 3268 6881 ION 3251 6882 IOF 3258 6881 ION 3259 6881 ION 3259 6881 ION 3251 6882 IOF 3258 6881 ION 3259 6881 ION 3259 6881 ION 3251 6882 IOF 3258 6881 ION 3259 6881 ION 3259 6881 ION 3251 6882 IOF 3258 6881 ION 3259 6881 ION											
3234 7482 HLT 3235 3234 OUT181 3236 3237 8ACK18*1 3237 7448 SZA /RETURN FROM LOC 1 3240 7482 HLT /CONFIDENCE CHECK /AC SHOULD BE ZERO 3241 1888 TAD 8 3242 7841 CIA 3243 1235 TAD OUT18 3244 7648 SZA CLA 3245 7482 HLT /INTERRUPT ERROR /MRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4848 SPF /SET PRINTER FLAG 3257 482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7288 CLA 3252 1311 TAD BACK11 3253 3882 DCA 2 3254 4881 ION 3255 6802 IOF 3256 6801 ION 3257 4802 IOF 3268 4801 ION 3257 4802 IOF 3268 4801 ION 3261 4802 IOF 3268 4802 IOF 3268 4801 ION 3261 4802 IOF 3268 4801 ION 3261 4802 IOF 3268 4802 IOF 3268 4801 ION 3261 4802 IOF 3268 4801 ION 3261 4802 IOF 3264 4801 ION 3265 4802 IOF 3266 4801 ION 3267 4802 IOF 3278 4801 ION 3275 4802 IOF 3278 4801 ION 3275 6802 IOF 3278 4801 ION 3275 6802 IOF 3278 4801 ION 3275 6802 IOF 3274 6801 ION 3275 6802 IOF 3276 6801 ION 3275 6802 IOF 3276 6801 ION 3275 6802 IOF							JNO INT	FRRUPT			
3236 3237 8ACK18, +1 3237 7448 SZA /RETURN FROM LOC 1 3240 7482 HLT /CONFIDENCE CHECK /AC SHOULD BE ZERO 3241 1888 TAD 0UT18 3242 7841 CIA 3243 1235 TAD OUT18 3244 7648 SZA CLA 3245 7482 HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4848 SPF /WRONG ADDRESS STORED /INTERRUPT TEST 11 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7288 CLA /FLAG IS ON 3251 7288 CLA /FLAG IS ON 3253 3892 DCA 2 3254 6881 ION 3255 6882 IOF 3256 6881 ION 3257 6882 IOF 3268 6881 ION 3267 6882 IOF 3278 6882 IOF 3279 6882 IOF 3274 6882 IOF 3275 6882 IOF 3276 6882 IOF							, , ,				
3236 3237 8ACK18, .+1 3237 7448 SZA /RETURN FROM LOC 1 3240 7482 MLT /CONFIDENCE CHECK /AC SHOULD BE ZERO 3241 1888 TAD 0 3242 7841 CIA 3243 1235 TAD OUT18 3244 7648 SZA CLA 3245 7482 HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4848 SPF /SET PRINTER FLAG 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3259 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3259 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3259 7482 HLT /FLAG IS ON 3259 7482 DCA 2 3254 6881 ION 3255 6882 IOF 3256 6881 ION 3257 6882 IOF 3256 6881 ION 3257 6882 IOF 3268 6881 ION 3267 6882 IOF 3278 6882 IOF 3279 6882 IOF 3274 6882 IOF 3275 6882 IOF 3276 6882 IOF 3276 6882 IOF 3276 6882 IOF 3277 6882 IOF 3278 6882 IOF 3278 6882 IOF 3279 6882 IOF 3279 6882 IOF 3279 6882 IOF 3270 6882 IOF		3235	3234	OUT 1 #	=1						
3237 7440 SZZ		_									
3249 7482 HLT /CONFIDENCE CHECK 3241 1889 TAD 8 3242 7841 CIA 3243 1235 TAD OUT18 3244 7648 SFA CLA 3245 7482 HLT /INTERRUPT ERROR HLT /HRONG ADDRESS STORED /INTERRUPT TEST 11 3246 6848 SPF /SET PRINTER FLAG 3247 6841 TSF 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7288 CLA 3251 7288 CLA 3252 1311 TAD BACK11 3253 3882 DCA 2 3254 6881 ION 3255 6882 IOF 3256 6881 ION 3257 6882 IOF 3268 6881 ION 3257 6882 IOF 3268 6881 ION 3269 6801 ION 3267 6882 IOF 3268 6881 ION 3267 6882 IOF 3278 6882 IOF 3279 6882 IOF 3270 6882 IOF 3271 6882 IOF 3272 6881 ION 3273 6882 IOF 3273 6882 IOF 3274 6881 ION 3275 6882 IOF 3276 6881 ION 3277 6882 IOF 3276 6881 ION 3277 6882 IOF 3278 6882 IOF 328				DHONE			/RETHRN	EROM I	nc 1		
3241 1000 TAD 0 3242 7041 CIA 3243 1235 TAD OUT10 3244 7640 SZA CLA HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4040 SPF /SET PRINTER FLAG 3257 7402 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7200 CLA /FLAG IS ON 3252 1311 TAD BACK11 3253 3002 DCA 2 3254 4001 ION 3255 4002 IOF 3256 4001 ION 3261 6002 IOF 3264 4001 ION 3265 4002 IOF 3266 4001 ION 3265 4002 IOF 3266 4001 ION 3267 4002 IOF 3268 4001 ION 3267 4002 IOF 3268 4001 ION 3269 4001 ION 3279 4001 ION		3240					/CONF I D	ENCE CH	ECK		
3242 7841 CIA 3243 1235 TAO OUT18 3244 7648 SZA CLA 3245 7482 HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 6848 SPF /SET PRINTER FLAG 3247 6841 TSF 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7288 CLA /FLAG IS ON 3252 1311 TAD BACK11 3283 3882 DCA 2 3254 6881 ION 3255 6882 IOF 3256 6881 ION 3257 6882 IOF 3268 6881 ION 3261 6982 IOF 3268 6881 ION 3261 6982 IOF 3268 6881 ION 3267 6882 IOF 3268 6881 ION 3277 6882 IOF 3278 6881 ION 3277 6882 IOF 3278 6881 ION 3277 6882 IOF 3278 6881 ION 3277 6882 IOF		3241	1000		TAD Ø		7 80 0110	ofo br	+ERU		
3243 1235 TAD CUT10 3244 7640 SEA CLA 3245 7402 HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 4040 SPF /SET PRINTER FLAG 3247 6041 TSF 3250 7402 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7200 CLA /FLAG IS ON 3251 7200 CLA /FLAG IS ON 3253 3002 DCA 2 3254 6001 ION 3255 6002 IOF 3266 6001 ION 3257 6002 IOF 3266 6001 ION 3261 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3267 6002 IOF 3268 6001 ION 3269 6001 ION 3270 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF		3242	7041								
3244 7648 SZA CLA HLT /INTERRUPT ERROR /WRONG ADDRESS STORED /INTERRUPT TEST 11 3246 6848 SPF /SET PRINTER FLAG 3247 6841 TSF 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7280 CLA /FLAG IS ON 3252 1311 TAD BACK11 3283 3882 DCA 2 3254 6881 ION 3255 6882 IOF 3256 6881 ION 3257 6802 IOF 3268 6881 ION 3261 6902 IOF 3268 6801 ION 3261 6902 IOF 3264 6881 ION 3265 6802 IOF 3266 6801 ION 3267 6802 IOF 3267 6802 IOF 3268 6801 ION 3269 6801 ION 3267 6802 IOF 3268 6801 ION 3273 6802 IOF 3269 6801 ION 3274 6801 ION 3275 6802 IOF 3276 6801 ION 3277 6802 IOF 3276 6801 ION 3277 6802 IOF 3278 6801 ION 3279 6802 IOF 3279 6801 ION		3243	1235			UT1Ø					
/INTERRUPT TEST 11 3246 6040 SPF /SET PRINTER FLAG 3247 6041 TSF 3250 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7260 CLA /FLAG IS ON 3292 1311 TAD BACK11 3293 3802 DCA 2 3254 6001 ION 3255 6002 IOF 3256 6001 ION 3257 6002 IOF 3260 6001 ION 3261 6002 IOF 3264 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3270 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3274 6001 ION 3275 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION 3275 6002 IOF 3276 6001 ION 3277 6002 IOF 3277 6001 ION 3277 6002 IOF 3277 6001 ION 3275 6002 IOF											
3246 6048 SPF		3245	7482		HLT		/INTERR	UPT ERRI	OR Stored		
3246 6048 SPF				/INTE	RRUPT TE	ST 11	•				
3247 6841 TSF 3258 7482 HLT /SPF FAILED TO SET PRINTER FLAG 3251 7280 CLA /FLAG IS ON 3252 1311 TAD BACK11 3253 3802 DCA 2 3254 6001 ION 3255 6002 IOF 3256 6001 ION 3257 6002 IOF 3268 6001 ION 3261 6002 IOF 3262 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION 3275 6002 IOF 3276 6001 ION 3277 6002 IOF 3278 6002 IOF 3279 6001 ION 3279 6001 ION 3271 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION		3246	6848				/SET PR	INTER F	LAG		
3250 7482	* * * * * * * * * * * * * * * * * * * *							- 14 1			
3251 7280 CLA /FLAG IS ON 3252 1311 TAD BACK11 3253 3802 DCA 2 3254 6001 ION 3255 6002 IOF 3256 6001 ION 3257 6002 IOF 3260 6001 ION 3261 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION					HLT		/SPF FA	ILED TO	SET PRINTER	FLAG	
3293 3802 DCA 2 3254 6001 ION 3255 6002 IOF 3256 6001 ION 3257 6002 IOF 3260 6001 ION 3261 6002 IOF 3262 6001 ION 3263 6002 IOF 3265 6002 IOF 3265 6001 ION 3265 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION							/FLAG I	SON		. •	
3254 6001 ION 3255 6002 IOF 3256 6001 ION 3257 6002 IOF 3268 6001 ION 3261 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3274 6001 ION 3275 6002 IOF 3276 6001 ION 3275 6002 IOF 3276 6001 ION						ACK11					
3255 6002 IOF 3256 6001 ION 3257 6002 IOF 3260 6001 ION 3261 6002 IOF 3262 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION 3275 6002 IOF 3276 6001 ION											
3256 6001 10N 3257 6002 10F 3260 6001 10N 3261 6002 10F 3262 6001 10N 3263 6002 10F 3264 6001 10N 3265 6002 10F 3266 6001 10N 3267 6002 10F 3270 6001 10N 3271 6002 10F 3272 6001 10N 3273 6002 10F 3273 6002 10F 3274 6001 10N 3275 6002 10F 3276 6001 10N											
3257 6002 IOF 3260 6001 ION 3261 6002 IOF 3262 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION 3275 6002 IOF											
3260 6001 ION 3261 6002 IOF 3262 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION 3275 6002 IOF											
3261 6002 IOF 3262 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3262 6001 ION 3263 6002 IOF 3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3263 \$002 IOF 3264 \$001 ION 3265 \$002 IOF 3266 \$001 ION 3267 \$002 IOF 3270 \$001 ION 3271 \$002 IOF 3272 \$001 ION 3273 \$002 IOF 3274 \$001 ION 3275 \$002 IOF 3276 \$001 ION											
3264 6001 ION 3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION					105						
3265 6002 IOF 3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3266 6001 ION 3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3267 6002 IOF 3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3270 6001 ION 3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3271 6002 IOF 3272 6001 ION 3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION		3270									
3273 6002 IOF 3274 6001 ION 3275 6002 IOF 3276 6001 ION											
3274 6001 ION 3275 6002 IOF 3276 6001 ION					ION						
3275 6002 IOF 3276 6001 ION											
3276 6001 ION											
3277 6002 IOF											
		3277	9005		IOF						

```
PAGE 1-39
J/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                            10-JUN-71
     3300 6001
                            ION
     3301 6002
                           IOF
     3302
           6001
                           ION
           6002
                           IOF
     3303
          6021
     3304
                           ION
     3305 6002
                           IOF
     3306
           6041
                           TSF
                                            /WHAT HAPPENED TO MY FLAG
     3307 7402
                           HLT
     3310 7410
                           SKP
     3311 3313
                   BACK11, .+2
     3312 7410
                           SKP
                                            /INTERRUPT OCCURRED DURING
     3313 7402
                           HLT
                                            /ION-IOF SEQUENCE
                                            /SEE LOCATION BOOD
                   /INTERRUPT TEST 12
                                            /CLEAR FLAG
     3314
           6842
                           TCF
          7200
     3315
                           CLA
                           TAD BACK12
     3316 1326
           3002
                           DCA 2
     3317
     3329
          6001
                           ION
          7000
     3321
                           NOP
     3322 7888
                           NOP
          7000
     3323
                           NOP
     3324
           7000
                           NOP
     3325 7410
                           SKP
           3330
     3326
                   BACK12. .+2
     3327
          7410
                           SKP
                                            /INTERRUPT WITH NO
     3330
          7402
                           HLT
                                            /FLAG.
     3331 4002
                           IOF
                   /INTERRUPT TEST 13
     3332 6040
                           SPF
     3333
          6041
                           TSF
                                            /SPF FAILED TO SET PRINTER FLAG.
     3334
           7402
                           HLT
     3335 7200
                           CLA
           1345
                           TAD BAC13
     3336
     3337
           3002
                           DCA 2
          6001
     3340
                           ION
     3341
          7410
                           SKP
     3342
          7402
                           HLT
                                            /NO INTERRUPT
           7402
     3343
                           HLT
                   OUTT13, .=1
           3343
     3344
     3345
           3346
                   BAC13,
                           . + 1
     3346
          7440
                           ASE
           7402
     3347
                           HLT
     3350
           1000
                           TAD Ø
     3351
          7041
                           CIA
     3352
           1344
                           TAD OUTT13
     3353
           7640
                           SZA CLA
          7482
                                            /INTERRUPT ERROR
     3354
                           HLT
                                            /WRONG ADDRESS STORED
```

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```
/INTERRUPT TEST 14
3355
      6040
                       SPF
     6041
                       TSF
3356
                                       /SPF FAILED TO SET PRINTER FLAG
3357
      7482
                       HLT
      7200
3360
                       CLA
                       TAD BAC14
3361 1370
3362 3002
                       DCA 2
3363 6001
                       ION
      5/65
3364
                       JMP I .+1
3365 3366
                       . +1
3366 7402
                                       /NO INTERRUPT
                       HLT
3367
      3366
               OUTT14, .=1
3370 3371
              BAC14.
                      .+1
3371 7440
                       SZA
3372 7482
                       HLT
3373
     1000
                       TAD Ø
3374 7941
                       CIA
3375
     1367
                       TAD OUTT14
3376 7640
                       SZA CLA
                                       /INTERRUPT ERROR
3377 7402
                       HLT
                                       /WRONG ADDRESS STORED
              /INTERRUPT TEST 15.
      6007
                                       /CLEAR THE WORLD
3400
                       CAF
                                       /GET RETURN INTERRUPT ADDRESS
3481
      1212
                       TAD BAC15
3402
     3882
                                       STORE IT IN ADDRESS 2
                       DCA 2
                                       /INTERRUPT ON
3483
     6001
                       ION
3404
     7000
                       NOP
                                       /CLEAR THE WORLD
3485
      6007
                       CAF
                                       /SET PAINTER FLAG.
3406 6040
                       SPF
3407
      6080
                       SKON
3418 3213
                       JMP .+3
                                       /CAF FAILED TO CLEAR ION
3411 7482
                       HLT
              BAC15,
                      ,-1
3412 3411
                                       /CLEAR FOR EXIT.
3413
     6007
                       CAF
3414
      5615
                       JMP I
                               . +1
3415 3600
                       IAIT1
      3600
                       PAGE
              /ILLEGAL AUTO INDEX TEST1
              IAIT1,
      7200
3600
                      CLA
      5602
                       JMP I .+1
3601
      4000
3602
                       AND1
3603
      4010
              K4010,
                       4010
      4000
              *4000
                                               /TEST INSTRUCTION
4000
      0610
              AND1,
                       AND I 4010
4001
      5602
                       JMP I .+1
4002 3604
                       RET1
              *K4010+1
      3604
3604 1623
              RET1,
                       TAD I K4010
                       SZA
3605 7440
```

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JE INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                            10-JUN-71
                                                                           9:49
                                                                                    PAGE 1-41
     3606 7402
                           HLT
                                           /ERROR. AC SHOULD BE ZERO
                                           /AND I 4010 ALTERED (4010)
     3607 7200
                           CLA
     3610 3603
                           DCA I K4010
                   VILLEGAL AUTO INDEX TEST 2
     3611 7200
                           CLA
     3612 5613
                           JMP I .+1
     3613 2173
                           AND2
     3614 2010
                   K2010,
                           2010
           2173
                   *2173
    2173 0610
                   AND2.
                           AND I 2010
                                                   /TEST INSTRUCTION
    2174 5775
                           JMP I .+1
    2175 3615
                           RET2
          3615
                   *K2010+1
    3615 1614
                   RET2,
                          TAD I K2010
    3616 7440
                           ASS
    3617 7402
                           HLT
                                           /ERROR. AC SHOULD BE ZERO
                                           /AND I 2018 ALTERED (2018)
    3620 5621
                           JMP I .+1
    3621 3622
                          AITST3
                  /ILLEGAL AUTO INDEX TEST 3
    3622 7200
                  AITST3, CLA
    3623 5624
                           JMP I .+1
    3624 1173
                          AND3
    3625 1910
                  K1018, 1018
          1173
                  *1173
    1173 8618
                  AND3,
                          AND 1 1010
                                                   /TEST INSTRUCTION
    1174 5775
                           JMP I .+1
    1175 3626
                          RET3
          3626
                  #K1818+1
    3626 1625
                  RET3.
                          TAD I K1010
    3627 7440
                          SZA
    3630 7402
                          HLT
                                          /ERROR. AC SHOULD BE ZERO
                                          /AND I 1010 ALTERED (1010)
    3631 7200
                          CLA
    3632 3625
                          DCA I K1016
                  /ILLEGAL AUTO INDEX TEST 4
    3633 7200
                          CLA
    3634 5635
                          JMP I .+1
    3635 Ø574
                          AND4
    3636 0410
                  K410,
                          410
```

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/PDP-8/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                PAL10
                                                        V141
                                                                10-JUN-71
                                                                                9149
          Ø574
                0610
                        AND4,
                                AND I 410
                                                        /TEST INSTRUCTION
          Ø575
                5776
                                JMP I .+1
          Ø576
               3637
                                RET4
                3637
                        *K41Ø+1
          3637 1636
                        RET4.
                               TAD I K410
          3640 7440
                                SZA
          3641 7422
                                HLT
                                               /ERROR. AC SHOULD BE ZERO
                                               /AND 1 410 ALTERED (410)
         3642 7200
                                CLA
          3643 3636
                                DCA I K410
                       /ILLEGAL AUTO INDEX TEST 5
         3644 7200
                               CLA
         3645 5646
                                JMP I .+1
         3646 #372
                               AND5
         3647 8218
                       K210.
                               210
               8371
                       *371
         5371 5375
                               JMP .+4
         Ø372 Ø61Ø
                       AND5.
                               AND I 218
                                                       /TEST INSTRUCTION
         8373 5774
                               JMP I .+1
         8374 3658
                               RET5
               3658
                       *K218+1
         3650 1647
                       RETS.
                               TAD I K218
         3651 7448
                               SZA
         3652 7482
                               HLT
                                               /ERROR. AC SHOULD BE ZERO
                                               /AND I 218 ALTERED (218)
         3653 7288
                               CLA
         3654 3647
                               DCA I K218
                       /ILLEGAL AUTO INDEX TEST 6
         3655 7200
                               CLA
         3656 $657
                               JMP I .+1
         3657 0130
                               AND6
         3660 9110
                       K118.
                               110
               0130
                       *138
         0130 0510
                       AND6.
                               AND I 110
                                                      ITEST INSTRUCTION
              5532
         0131
                               JMP I .+1
         Ø132 3661
                               RET6
              3661
                       #K110+1
         3661 1660
                       RET6,
                              TAD I K110
        3662 7440
                               SZA
        3663 7402
                               HLT
                                              /ERROR. AC SHOULD BE ZERO
                                               /AND I 110 ALTERED (110)
        3664 7200
                              CLA
        3665 3110
                              DCA 110
```

```
-/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                          PAL10
                                                   V141
                                                          10-JUN-71
                  /ILLEGAL AUTO INDEX TEST 7
     3666 7200
                           CLA
     3667 5670
                          JMP I .+1
    3670 0124
                          AND7
    3671 0050
                  K50,
                          50
          2124
                  -124
    8124 8458
                  AND7,
                          AND I 50
                                                  /TEST INSTRUCTION
    9125 5526
                          JMP I .+1
    0126 3672
                          RETT
          3672
                  #K5Ø+1
    3672 1671
                  RET7,
                          TAD I K50
    3673 7440
                          SZA
    3674 7482
                                         /ERROR. AC SHOULD BE ZERO
                          HLT
                                         /AND I 50 ALTERED (50)
    3675 7200
                          CLA
    3676 3858
                          DCA 50
                  /ILLEGAL AUTO INDEX TEST 8
    3677 7200
                          CLA
   3788 5781
                         JMP I .+1
   3791 8120
                          ANDS
   3702 0030
                  K30,
                          30
         8128
                 -120
   8128 8438
                 AND8,
                         AND 1 30
                                                 /TEST INSTRUCTION
   5121 5522
                         1+, I 9ML
   0122 3703
                         RETA
         3703
                 *K3Ø+1
   3703 1702
                 RETB,
                         TAD I K3Ø
   3784 7448
                         SZA
   3785 7482
                         HLT
                                         /ERROR. AC SHOULD BE ZERD
                                         /AND I 30 ALTERED (30)
   3786 7288
                         CLA
   3707 3030
                         DCA 30
                 /ILLEGAL AUTO INDEX TEST 9
   3710 7200
                         CLA
   3711 3000
                         DCA Ø
  3712 5713
                         JMP I .+1
  3713 8074
                IAITS9, AND9
        0074
                 #74
  0074 0480
                 AND9,
                         AND I Ø
                                        /TEST INSTRUCTION
  0075 5476
                         JMP I .+1
  0076 3714
                        RET9
```

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/PDP-8/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB PAL1Ø V141
                                                              10-JUN-71
               3714
                       #IAITS9+1
         3714 1436
                       RET9,
                               TAD I KØ
         3715 7440
                               SZA
         3716 7482
                               HLT
                                              /ERROR, AC SHOULD BE ZERO
                                               /AND I Ø ALTERED (Ø)
         3717 7200
                               CLA
         3720 3000
                               DCA Ø
                       /ILLEGAL AUTO INDEX TEST 10
         3721 7200
                               CLA
         3722 5723
                               JMP I ++1
         3723 0070
                       IAIT10, AND10
               8070
                       *70
               9487
         9070
                       ANDIØ, AND I 7
                                             /TEST INSTRUCTION
         5071 5472
                               JMP I .+1
         0072 3724
                               RET18
               3724
                       +IAIT10+1
         3724 1446
                       RET10, TAD I K0007
         3725 7440
                               SZA
         3726 7402
                               HLT
                                              /ERROR. AC SHOULD BE ZERO
                                              /AND I 7 ALTERED (7)
         3727 7200
                               CLA
         3739 3087
                               DCA 7
                       /CHECK FOR TTY BELL
         3731 1347
                              TAD BLCNT
         3732 7001
                              IAC
         3733 3347
                              DCA BLCNT
         3734 1347
                              TAD BLCNT
         3735 1350
                              TAD RNGCNT
         3736 7640
                              SZA CLA
         3737
              5746
                               JMP I K208
         3740 3347
                              DCA BLCNT
              1351
         3741
                              TAD BELCOD
              6046
         3742
                              TLS
              6041
         3743
                              TSF
        3744 5343
                               JMP .-1
        3745 5746
                               JMP I .+1
        3746 #200
                       K200.
                              200
        3747
              0000
                       BLCNT,
                              Ø
        3750 4762
                       RNGCNT, -3016
              0207
                       BELCOD, 207
        3751
                       44010
               4010
        4010
              0000
                              0
                       STR,
        4011
              0000
                              0
         4012 1220
                              TAD JMPIX
```

DCA 1

4013 3001

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JE INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                            10-JUN-71
                                                                            9149
                                                                                    PAGE 1-45
     4014 3002
                           DCA 2
     4015 3003
                           DCA 3
     4016 2211
                           ISE STR
     4017 5611
                           JMP I STR
     4020 5402
                   JMPIX, 5402
                   /PROCESSOR IOT TEST
           4280
                           PAGE
     4200 7300
                   PIOTST, CLA CLL
     4201 4602
                           JMS I .+1
     4202 4011
                           STR
                   /PROCESSOR IOT TEST 1
     4283
          7360
                           CLA CMA CLL CML
     4284
          6007
                           CAF
                                                   /CLEAR ALL FLAGS, AC, AND LINK
     4205 7410
                           SKP
     4286 7482
                           HLT
                                                   /CAF SHOULD NOT SKIP
    4287 7420
                           SNL
          7440
    4210
                           SZA
    4211 7482 - 5203
                           HLT
                                                   /CAF FAILED, AC AND LINK SHOULD BE ZERO
                 5MP
                   /PROCESSOR IOT TEST 2
    4212 6040
                           SPF
                                                   /SET PRINTER FLAG
    4213 7410
                           SKP
    4214 7402
                           HLT
                                                   /SPF SHOULD NOT SKIP
    4215 6841
                           TSF
    4216 7482
                          HLT
                                                   /SPF OR TSF FAILED
    4217 6007
                          CAF
                                                   /CLEAR ALL FLAGS, AC, AND LINK
    4220 6041
                          TSF
    4221 7410
                          SKP
    4222 7482
                          HLT
                                                  /CAF FAILED, TTY FLAG SHOULD BE CLEAR
    4223 6003
                          SRQ
                                                  /SKIP IF INTERRUPT REQUEST
    4224 7410
                          SKP
    4225 7402
                          HLT
                                                  /SRQ FAILED OR SPURIOUS INTERRUPT OCCURED
                  /PROCESSOR IOT TEST 3
    4226
          6007
                          CAF
                                                  /CLEAR ALL FLAGS, AC, LINK, AND ENABLE TTY INTERRUPT
    4227
          6040
                          SPF
                                                  SET PRINTER FLAG
    4230
          6003
                          SRQ
                                                  /SKIP IF INTERRUPT REQUEST
    4231 7482
                          HLT
                                                  /SRQ FAILED OR CAF FAILED TO ENABLE TTY INTERRUPT
                  /PROCESSOR IOT TEST 4
    4232 6007
                          CAF
                                                  /CLEAR ALL FLAGS, AC, AND LINK
    4233 6035
                                                  /DISABLE TTY INTERRUPT, (AC 11 EQUALS ZERO)
                          KIE
    4234 7410
                          SKP
    4235 7402
                          HLT
                                                  /KIE SHOULD NOT SKIP
    4236 6040
                          SPF
                                                  /SET PRINTER FLAG
    4237 6841
                          TSF
    4240 7402
                          HLT
                                                  /SPF OR TSF FAILED
    4241 6003
                          SRQ
                                                  /SKIP IF INTERRUPT REQUEST
    4242 7410
                          SKP
    4243 7402
                          HLT
                                                  /KIE FAILED TO DISABLE TTY INTERRUPT OR SRQ FAILED
```

### A CAP CLA IAC CLA				
### 1245 6835 KIE				
# 5946	4244			AND THE STATE OF T
1				
### ### #### #########################				ISE! PRINTER FLAG
### APPS				
### AND CESSOR IOT TEST 8 ### AND CESSOR IOT TEST 9 ### AND CESSOR IOT TEST 8 ### AND CESSOR IOT TEST 9 ### AND CESSOR IOT TE				
### APPOCESSOR IOT TEST 6 ### APPS				
# 253 # 2687	4252	7482	HLT	ARIE PAILED TO ENABLE ITY INTERRUPT OR SEG PAILED
# 253 # 2687			APROCESSOR TOT TEST 6	
1267	4253	6007		/CLEAR ALL FLAGS, AC, AND LINK
# 255 3882 DCA 2				
#256 6881				
1				/TURN INTERRUPT ON
100 SHOULD NOT SKIP 100 SHIP 100 SKIP				
4241 6000 SKON /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF 4263 6000 SKON /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF 4264 7410 SKP 4265 7402 HLT /SKON FAILED 4266 3271 JMP .*3 4267 4270 BACK13, .1 4270 7482 HLT /ILLEGAL INTERRUPT OCCURRED /PROCESSOR IOT TEST 7 4271 6007 TABLED /PROCESSOR IOT TEST 7 4271 6007 TABLED /PROCESSOR IOT TEST 7 4272 1364 TAD BACK14 4273 3002 DCA 2 4274 6001 10N /TURN INTERRUPT ON 4275 6002 DCA 2 4276 4001 10N /TURN INTERRUPT OFF 4277 7402 HLT /IDF SHOULD NOT SKIP 4277 7402 HLT /IDF SHOULD NOT SKIP 4308 6000 SKP 4308 7402 HLT /IDF FAILED /PROCESSOR IOT TEST 8 4306 6007 CAF 4307 7402 HLT /ILLEGAL INTERRUPT OCCURED /PROCESSOR IOT TEST 8 4306 6007 CAF 4307 7408 CMA /GET INTERRUPT FLAGS 4310 7402 HLT /GET SHOULD NOT SKIP 4311 7410 SKP 4312 7402 HLT /GET SHOULD NOT SKIP 4312 7402 HLT /GET INTERRUPT FLAGS 4314 7440 SEA 4315 7400 SAA 4315 7400 CMA CLA CMA CLL CML /PROCESSOR IOT TEST 9 CLA CMA CLL CML /PROCESSOR I				
# 262 7482 HLT				SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF
4263 6888 SKON /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF 4265 7482 HLT /SKON FAILED 4266 9271 JMP .*3 4267 7482 HLT /ILLEGAL INTERRUPT OCCURRED /PROCESSOR IOT TEST 7 CAF /CLEAR ALL FLAGS, AC, AND LINK 4273 3882 DCA 2 4274 6881 10N /TURN INTERRUPT OFF 4275 6882 10F /TURN INTERRUPT OFF 4276 7418 SKP 4277 7482 HLT /IOF SHOULD NOT SKIP 4381 7418 SKP 4381 7418 SKP 4382 7482 HLT /IOF FAILED 4382 7482 HLT /IOF FAILED 4382 7482 HLT /IOF FAILED 4383 5386 JMP .*3 4384 4385 BACK14, .*1 /IOF FAILED 4386 6887 KON /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF 4387 7482 HLT /IOF FAILED 4388 4389 BACK14, .*1 /IOF FAILED 4389 7482 HLT /IOF FAILED 4380 6887 KON /SKIP IF INTERRUPT OCCURED /PROCESSOR IOT TEST 8 /CLEAR ALL FLAGS, AC, AND LINK 4386 6887 CMA /GET INTERRUPT FLAGS 4310 6884 GTF /GET INTERRUPT FLAGS 4311 7410 SKP /GET INTERRUPT FLAGS 4312 7482 HLT /GTF SHOULD NOT SKIP 4313 7840 SZA HLT /GTF SHOULD ROUAL BBBB) /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /****				
10				SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF
### A				
### ### ### ### ### ### ### ### ### ##				/SKON FAILED
### ### ##############################				
/PROCESSOR IOT TEST 7 4271 6987				
### A271 6887 CAF				/ILLEGAL INTERRUPT OCCURRED
### A271 6887 CAF				
4272 1384 TAD BACK14 4273 3802 DCA 2 4274 6881 ION /TURN INTERRUPT ON 4275 6882 IOF /TURN INTERRUPT OFF 4276 7418 SKP 4277 7482 HLT /IOF SHOULD NOT SKIP 4388 6888 SKON /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF 4381 7418 SKP 4382 7482 HLT /IOF FAILED 4383 5386 JMP .+3 4384 4385 BACK14, .+1 4385 7482 HLT /ILLEGAL INTERRUPT OCCURED /PROCESSOR IOT TEST 8 4386 6887 CMA 4310 6884 GTF /GET INTERRUPT FLAGS 4311 7410 SKP 4312 7482 HLT /GTF SHOULD NOT SKIP 4312 7482 HLT /GTF SHOULD NOT SKIP 4313 8864 AND K5288 /GTF FAILED, (AC SHOULD EQUAL 8888) /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC /**COMMAND AC /**COM				AND THE PLACE AS AND LINK
#273 \$882 DCA 2 #274 \$981 10N				CLEAR ALL PLAGS: AC; AND LINK
#274 6881				
### ### ### ### ### ### ### ### ### ##				ATION THEFORMOT AN
#276 7418				
### ### ### ### ### ### ### ### ### ##				FIUNN INTERRUPT DEF
### SKON				ALAF CHAN & MAT BUIL
4381 7418 SKP 4382 7482 HLT 4383 5386 JMP .+3 4384 4385 BACK14, .41 4385 7482 HLT /ILLEGAL INTERRUPT OCCURED /PROCESSOR IOT TEST 8 4386 6887 CAF /CLEAR ALL FLAGS, AC, AND LINK 4387 7848 CMA 4318 6884 GTF /GET INTERRUPT FLAGS 4311 7418 SKP 4312 7482 HLT /GTF SHOULD NOT SKIP 4313 8864 AND K5288 /GTF FAILED, (AC SHOULD EQUAL 8888) /PROCESSOR IOT TEST 9 4316 7368 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9 4316 7368 CLA CMA CLL CML /SET LINK AND AC /PROCESSOR IOT TEST 9				
4382 7482				ASKIN IN THISTURDAL ON WAR INTERMOL! OLD
4383 5386 4384 4385 BACK14, .41 4385 7482 /PROCESSOR IOT TEST 8 4386 6887 CAF 4387 7048 CMA 4318 6884 GTF 4311 7418 SKP 4312 7482 HLT 4313 8864 AND K5288 /GTF SHOULD NOT SKIP 4314 7448 SZA 4315 7482 HLT 4316 7368 CLA CMA CLL CML /PROCESSOR IOT TEST 9 CLA CMA CLL CML /SET LINK AND AC COMMIND TO THE ST 9 CLA CMA CLL CML /SET LINK AND AC COMMIND TO THE ST 9 CLA CMA CLL CML /SET LINK AND AC COMMIND TO THE ST ST STORY AND AC COMMIND TO THE ST ST STORY AND AC COMMIND TO THE ST ST STORY AND AC COMMIND TO THE ST ST ST STORY AND AC COMMIND TO THE ST ST ST STORY AND AC COMMIND TO THE ST				(100 FA+4 FB
### ### ##############################			HLŢ	/IUF FAILEU
/PROCESSOR IOT TEST 8 4306 6007				
/PROCESSOR IOT TEST 8 4306 6007				ATT COL THEFORINE AGGINES
### ##################################	4305	7402	HLT	FILLEGAL INTERRUPT OCCURED
### ##################################			•	
### ##################################			/PROCESSOR IOT TEST 8	
4307 7040 CMA 4310 6004 GTF /GET INTERRUPT FLAGS 4311 7410 SKP 4312 7402 HLT /GTF SHOULD NOT SKIP 4313 0064 AND K5200 /MASK 4314 7440 SZA 4315 7402 HLT /GTF FAILED, (AC SHOULD EQUAL 8000) /PROCESSOR IOT TEST 9 4316 7360 CLA CMA CLL CML /SET LINK AND AC	4306	6007		/CLEAR ALL FLAGS, AC, AND LINK
4310 6004 GTF /GET INTERRUPT FLAGS 4311 7410 SKP 4312 7402 HLT /GTF SHOULD NOT SKIP 4313 0064 AND K5200 /MASK 4314 7440 SZA 4315 7402 HLT /GTF FAILED, (AC SHOULD EQUAL 0000) /PROCESSOR IOT TEST 9 4316 7360 CLA CMA CLL CML /SET LINK AND AC		7040	CMA	
4311 7410 SKP 4312 7402 HLT /GTF SHOULD NOT SKIP 4313 0064 AND K5200 /MASK 4314 7440 SZA 4315 7402 HLT /GTF FAILED, (AC SHOULD EQUAL 0000) /PROCESSOR IOT TEST 9 4316 7360 CLA CMA CLL CML /SET LINK AND AC		6024	GTF	/GET INTERRUPT FLAGS
#312 7402 HLT /GTF SHOULD NOT SKIP #313 0064 AND K5200 /MASK #314 7440 SZA #315 7402 HLT /GTF FAILED. (AC SHOULD EQUAL 0000) /PROCESSOR IOT TEST 9 #316 7360 CLA CMA CLL CML /SET LINK AND AC	4311	7410	SKP	
4313 0064 AND K5200 /MASK 4314 7440 SZA 4315 7402 HLT /GTF FAILED. (AC SHOULD EQUAL 0000) /PROCESSOR IOT TEST 9 4316 7360 CLA CMA CLL CML /SET LINK AND AC			HLT	
4314 7440 SZA 4315 7402 HLT /GTF FAILED, (AC SHOULD EQUAL 8000) /PROCESSOR IOT TEST 9 4316 7360 CLA CMA CLL CML /SET LINK AND AC			AND K52ØØ	/MASK
/GTF FAILED, (AC SHOULD EQUAL 8000) /PROCESSOR IOT TEST 9 4316 7360 CLA CMA CLL CML /SET LINK AND AC				
4316 7360 CLA CMA CLL CML /SET LINK AND AC				/GTF FAILED. (AC SHOULD EQUAL 8000)
4316 7360 CLA CMA CLL CML /SET LINK AND AC			4500450045 4AF 550F A	
AND THE PRINT PLACE THE CHAIR PROBLEM AND				CET LINK AND AC
4317 6004 GTF /GET INTERRUPT PLAGS, (AC SHOULD EQUAL 4000)				
	4317	6004	GTF	AGE! THIENKOLI LEWOS! (MC SHOOTH EMANY ARRE)

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_/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB
                                                                  10-JUN-71
                                                                                  9149
                                                                                          PAGE 1-47
           4320 7420
                                 SNL
           4321 7482
                                 HLT
                                                         /LINK SHOULD BE 1
           4322 0064
                                 AND K5200
                                                         /MASK
           4323 7124
                                 CLL RAL
                                                         /AC SHOULD EQUAL ZERO
           4324 7430
                                 SŽL
           4325 7440
                                 SZA
           4326 7482
                                 HLT
                                                         /GTF FAILED
                         /PROCESSOR IOT TEST 10
           4327 6007
                                 CAF
                                                         /CLEAR ALL FLAGS, (AC, LINK, AND ENABLE TTY INTERRUPT
           4330 6040
                                 SPF
                                                         /SET PRINTER FLAG
           4331 6024
                                 GTF
                                                         /GET INTERRUPT FLAGS, (AC SHOULD EQUAL 1000)
          4332 0064
                                 AND K5200
                                                         /MASK
          4333 7026
                                 RTL
                                                         /PUT INTERRUPT BUS- (AC SHOULD EQUAL 4000)
          4334 7084
                                 RAL
                                                         /FLAG INTO LINK, (AC SHOULD EQUAL ZERO)
          4335 7430
                                 SZL
          4336 7440
                                 SZA
          4337 7482
                                 HLT
                                                         /GTF FAILED TO GET INTERRUPT BUS FLAG
                         /PROCESSOR IOT TEST 11
          4340
                6007
                                 CAF
                                                         /CLEAR ALL FLAGS
          4341
                1356
                                 TAD
                                         BACK15
          4342 3992
                                 DCA
          4343 6001
                                 ION
                                                         /TURN INTERRUPT ON
          4344
                6004
                                 GTF
                                                         /GET INTERRUPT FLAGS, (AC SHOULD EQUAL 0200)
                0064
          4345
                                 AND K5200
                                                         /MASK
          4346 6000
                                 SKON
                                                         /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF
          4347 7482
                                 HLT
                                                         /GTF CLEARED INTERRUPT (ION)
          4350
               7102
                                CLL BSW
                                                         /PUT INTERRUPT BUS-
                                                                             (AC SHOULD EQUAL 0002)
          4351
                7012
                                RTR
                                                        /FLAG INTO LINK, (AC SHOULD EQUAL ZERO)
          4352
               7430
                                SZL
          4353
               7440
                                SZA
          4354
                7402
5340.
                                HLT
                                                         /GTF FAILED TO GET INTERRUPT FLAG
          4355
                536g
                                 JMP
                                         . +3
          4356
                4357
                        BACK15, .+1
          4357 7402
                                HLT
                                                        /ILLEGAL INTERRUPT OCCURED
                        /PROCESSOR IOT TEST 12
               7320
7402-4360
                                CLA CLL CML
               1375
          4361
                                TAD
                                        BACK16
          4362 3002
                                DCA
          4363
               6005
                                RTF
                                                        /RESTORE ALL FLAGS
          4364
               7410
                                SKP
          4365 7402
                                HLT
                                                        ARTE SHOULD NOT SKIP
          4366 7420
                                SNL
                                                        /LINK SHOULD BE ZERO
          4367 7440
                                SZA
                                                        /AC EQUALS ZERO
          4370
               7482
                                HL.T
                                                        /RTF FAILED, LINK AND AC SHOULD BE ZERO
          4371
               6000
                                SKON
                                                        /SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF
          4372
               7402
                                HLT
                                                        /RTF FAILED TO TURN INTERRUPT ON
          4373
               5774
                                JMP I
                                        . +1
          4374
               4400
                                PTST14
          4375
               4376
                        BACK16, .+1
         4376 7402
                                HLT
                                                        /ILLEGAL INTERRUPT OCCURED
                4400
                                PAGE
```

		PROCESSOR TOT TE	ST 13
4400	6027	PTST14, CAF	
4401	1215	TAD B	ACK17
4402	3002	DCA 2	
4403	7330	CLA CLL C	ML RAR /AC EQUALS 4000
4404	6005	RTF	RESTORE ALL FLAGS
44Ø5	7420	SNL	The state of the s
4406	7402	HLT	/RTF FAILED TO RESTORE LINK
4407	6000	SKON	SKIP IF INTERRUPT ON AND TURN INTERRUPT OFF
4410	7482	HLT	ATE FAILED TO TURN INTERRUPT ON
4411	6007	CAF	CLEAR ALL FLAGS, AC, LINK, AND ENABLE TTY INTERRUPT
4412	7300	CLA CLL	THE THE PROPERTY AND ENABLE THE INTERRUPT
4413	5614	JMP I .+1	/GO TO INTERRUPT TESTS
4414	2677	INTEST	, se de 1.1. 2.1. e
4415	4416	BACK17, .+1	
4416	7402	HLT	/ILLEGAL INTERRUPT OCCURED

.

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4000
                                        00000000
                                               00000000 000000000
4100 00000000 00000000
                  00000000
                          00000000
                                 00000000
                                        00000000
                                               00000000 000000000
    4200
4300 11111111 11111111 11111111 11111111
                                 11111111 11111111 11111111 11111110
4400
    11111111 11111110
                   99999999
                          36666686
                                 00000000
                                        00000000
    00000000 00000000 00000000
4500
                          00000000
                                        99999999 99999999 99999999
                                 00000000
4600
4700
5000
5199
5200
5300
5488
5568
5688
5788
6886
6188
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/PDP-8/E INSTRUCTION TEST 2 MAINDEC-8E-DØBB PAL10

((
/PDA _/	E INSTRU	UCTION TEST 2	MAINDEC-8	E-D088	PAL10	N^{r+1}	10-JUN-71	9149	PAGE 1-51
	AITST3	3622	K1010	3625		OUTT14	3367		
	AND1	4000	K110	3660		PIOTST	4200		
	AND10	0070	K1111	0062		PTST14	4400		
	ANDZ	2173	K1234	0177		RET1	3604		
	AND3	1173	K172	0173		RET1Ø	3724		
	AND4	0574	K173	0174		RET2	3615		
	AND5	0372	K174	Ø175		RET3	3626		
	AND6	0130	K175	0176		RET4	3637		
	AND7	0124	K176	0172		RET5	3650		
	ANDB	0120	K1777	0037		RET6	3661		
	AND9	0074	K200	3746		RET7	3672		
	BAC13	3345	K2010	3614		RET8	3703		
	BAC14	337Ø	K210	3647		RET9	3714		
	BAC15	3412	K2525	0054		RNGCNT	3750		
	BACK1	2713	K30	3702		RTF	6005		
	BACK10	3236	K3777	0021		SKON	6000		
	BACK11	3311	K4	0065		SPF	6040		
	BACK12	3326	K4818	3603		SRQ	6003		
	BACK13	4267	K410	3636		STR	4011		
	BACK14	4304	K4400	0052		TPØ	0202		
	BACK15	4356	K4444	0056		TP177	Ø377		
	BACK16	4375	K4577	0053		11 477			
	BACK17	4415	K50	3671					
	BACK2	2761	K5200	0064					
	BACK3	2735	K5252	0061					
	BACK4	3013	K5555	0063					
	BACKS	3844	K5777	0022					
	BACK6	3076	K6666	8955					
	BACK7	3124	K6777	Ø Ø2 3					
	BACKS	3146	K7070	8857					
	BACK9	3213	K 73 77	Ø Ø 24					
	BELCOD	3751	K7577	Ø Ø2 5					
	BLCNT	3747	K7:577	Ø Ø 26					
	BSW	7002	K7737	0027	•				
	CAF	6997	K7757	Ø Ø 31					
	GTF	6004	K7767	Ø Ø3 2					
	IAIT1	3600	K7773	0033					
	IAIT10	3723	K7775	0034					
	IAITS9	3713	K777 6	Ø Ø3 5					
	INTEST	2677	K7777	00 20					
	JMPIX	4020	KIE	6035					
	KØ	0036	OUT1	2712					
	KØØ01	0051	OUT10	3235					
	K0003	0047	OUT2	2760					
	K0007	0046	OUTS	2734					
	K0017	0045	OUT4	3012					
	KØØ37	0044	OUT5	3043					
	K0077	0043	OUT6	3075					
	KØ177	8942	OUT7	3123					
	KØ377	0041	OUTS	3145					
	KØ7Ø7	0060	OUT9	3212					
	KØ777	0040	OUTT13	3344					

ERRORS DETECTED! @

LINKS GENERATED: 8

RUN-TIME: 20 SECONDS

2K CORE USED