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/1 SUITE : PCB LAYOUT
/2 PROGRAM TITLE : REDAL 20
/3 ROUTINE TITLE : ERDETT
/
/ THIS PROGRAM SOURCE FILE IS SUPPLIED IN CONFIDENCE TO THE
/ CUSTOMER; THE CONTENTS OR DETAILS OF ITS OPERATION MAY ONLY
/ BE DISCLOSED TO PERSONS EMPLOYED BY THE CUSTOMER WHO REQUIRE
/ A KNOWLEDGE OF THE SOFTWARE CODING TO CARRY OUT THEIR JOB.
/ DISCLOSURE TO ANY OTHER PERSON MUST HAVE THE PRIOR AUTHORISATION
/ FROM THE DIRECTORS OF REDAC SOFTWARE LIMITED.
/
/6 PURPOSE: TO BUILD THE TWO SETS OF DATA INTO TREES AND COMPARE THEM
/
/7 CALLING SEQUENCE AND DESCRIPTION OF ARGUMENTS:
/ CALL ERDETT(DFAD1,DFAD2,IDEV)
/ DFAD1 ADDRESS OF TREES TO BE COMPARED
/ DFAD2 ADDRESS OF TREES TO BE COMPARED
/ IDEV INPUT DEVICE NUMBER, PARAMETER FOR DATAIN
/
/10 COMMON AREAS: COMPS,EOCMAD,SIZE,CONNX,EOCNAD
/
/12 GLOBALS : ERDETT, .DA, DTIN20, DFADDR, ERDETD, ERDET
/
/ *****
/ JUNE 1975: AMDT1 - SEE RL20 MAINLINE FOR DETAILS
/ *****
-----
. IODEV 1,-15
. GLOBL ERDETT, .DA, DTIN20, DFADDR, ERDETD, ERDET
DF .CBD DF 1
COMCOM .CBD COMPS 1
EOCPAD .CBD EOCMAD 1
SIZE .CBD SIZE 1
CONNAD .CBD CONNX 1
EOCONN .CBD EOCNAD 1
ERDETT XX
JMS* .DA
JMP .+1+3
DFAD1 0
DFAD2 0
IDEV 0 / DEVICE NUMBER FOR DATAIN
/
LAC DFAD1 / AMDT1 - FIRST TREES ARRAY WRITTEN TO WORK FILE
DAC WRITE+2 / AFTER IT HAS BEEN BUILT

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53 00016 R 220004 R          LAC* CONNAD / AMDT1 - FIRST TREES ARRAY READ BACK INTO CONNS ARRAY
54 00017 R 040120 R          DAC READ+2 / AFTER BULDING SECOND TREES ARRAY
55 00020 R 220001 R          LAC* COMCOM
56 00021 R 040153 R          DAC COMPAD*
57 00022 R 200005 R          LAC EOCONN
58 00023 R 040032 R          DAC EOCON
59 / FIND AND STORE THE FIRST TREE
60 /
61 00024 R 200011 R          LAC DFAD1
62 00025 R 340162 R          TAD (-1
63 00026 R 040031 R          DAC SPAR1 / USED TO STORE TREE
64 00027 R 120157 E          JMS* ERDET
65 00030 R 600033 R          JMP .+3
66 00031 R 000000 A          SPAR1 0 /DFAD1 -1
67 00032 R 000000 A          EOCON 0
68 / CLEAR ALL CONNEXION POINTERS
69 /
70 00033 R 200153 R          LAC COMPAD
71 00034 R 040155 R          DAC SCAN
72 00035 R 360002 R          TAD* EOCPAD
73 00036 R 340162 R          TAD (-1
74 00037 R 040154 R          DAC ENDCO* / FIRST FREE WORD
75 00040 R 200155 R          LAC SCAN*
76 00041 R 540154 R          DLOUP SAD ENDCO
77 00042 R 600050 R          JMP .+1+5
78 00043 R 160155 R          DZM* SCAN
79 00044 R 200155 R          LAC SCAN
80 00045 R 340163 R          TAD (6
81 00046 R 040155 R          DAC SCAN
82 00047 R 600041 R          JMP DLOUP
83 /
84 / WRITE FIRST TREES ARRAY TO DISC FILE ON .DAT -15
85 /
86 /
87 00050 R 001763 A *G          .INIT -15,1,0 /AMDT1
88 00051 R 000001 A *G          CAL+1*1000 -15&777
89 00052 R 000000 A *G          1
90 00053 R 000000 A *G          0+0
91 00054 R 000763 A *G          .ENTER -15,NAME /AMDT1
92 00055 R 000004 A *G          +CAL*1000 -15&777
93 00056 R 000150 R *G          4
94 00057 R          WRITE NAME
95 00057 R 004763 A *G          .WRITE -15,4,0,6001 /AMDT1
96 00057 R 004763 A *G          CAL+4*1000 -15&777
97 00060 R 000011 A *G          11
98 00061 R 000000 A *G          0
99 00062 R 764217 A *G          .DEC
100 00062 R 764217 A *G          -6001
101 00063 R 000763 A *G          .WAIT -15 /AMDT1
102 00064 R 000012 A *G          CAL -15&777
103 00064 R 000012 A *G          12
104 00064 R 000012 A *G          .CLOSE -15 /AMDT1

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00065 R 000763 A *G      CAL 15&777
00066 R 000006 A *G      6
91 /
92 / READ SECOND CONNEXION LIST
93 /
94 00067 R 200013 R      LAC IDEV
95 00070 R 040076 R      DAC DATAR3
96 00071 R 200164 R      LAC (-1
97 00072 R 060005 R      DAC* EOCNN
98 00073 R 120156 E      JMS* DTIN20
99 00074 R 600100 R      JMP .+1+3
100 00075 R 000000 A      .CBD EOCNAD 1
101 00076 R 000000 A      DATAR3 0 /DEVICE NUMBER
102 00077 R 000165 R      .DSA 0 /CHECKING MODE CALLED FOR BY DATAIN
103 / BUILD SECOND LIST OF CONNEXION TREES
104 /
105 00100 R 200012 R      LAC DFAD2
106 00101 R 340162 R      TAD (-1
107 00102 R 040105 R      DAC SPAR2 / SECOND SET OF TREES
108 00103 R 120157 E      JMS* ERDET
109 00104 R 600107 R      JMP .+3
110 00105 R 000000 A      SPAR2 0
111 00106 R 000000 A      .CBD EOCNAD 1
112 / READ BACK FIRST TREES ARRAY INTO CONNECTIONS ARRAY
113 / FROM .DAT SLOT -15
114 /
115 .INIT -15,0,0 /AMDT1
00107 R 000763 A *G      CAL+0*1000 -15&777
00110 R 000001 A *G      1
00111 R 000000 A *G      0+0
00112 R 000000 A *G      0
116 .SEEK -15,NAME /AMDT1
00113 R 000763 A *G      CAL -15&777
00114 R 000003 A *G      3
00115 R 000150 R *G      NAME
117 READ .READ -15,4,0,6001 /AMDT1
00116 R 004763 A *G      CAL+4*1000 -15&777
00117 R 000010 A *G      10
00120 R 000000 A *G      0
          *G
          .DEC
          -6001
118 .WAIT -15 /AMDT1
00122 R 000763 A *G      CAL -15&777
00123 R 000012 A *G      12
119 .CLOSE -15 /AMDT1
00124 R 000763 A *G      CAL -15&777
00125 R 000006 A *G      6
00126 R 220004 R      LAC* CONNAD / AMDT1 - ADDRESS OF FIRST SET OF TREES
00127 R 040145 R      DAC EARG22
00128 R 200012 R      LAC DFAD2
00129 R 040146 R      DAC EARG23
120 .INIT -15,1,0 /AMDT1
121
122
123
124

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00132 R 001763 A *G      CAL+1*1000 -15&777
00133 R 000001 A *G      1
00134 R 000000 A *G      0+0
00135 R 000000 A *G      0
125  .DELETE -15,NAME /AMDT1
00136 R 001763 A *G      CAL+1000 -15&777
00137 R 000002 A *G      2
00140 R 000150 R *G      NAME
126  .CLOSE -15 /AMDT1
00141 R 000763 A *G      CAL =15&777
00142 R 000006 A *G      6
127  JMS* ERDET
128  JMP* ERDETT
129  EARG22 0 /DFAD1
130  EARG23 0 /DFAD2
131  DFADDR 0 /DUMMY DF ADDRESS FOR ADDCON 21/6/72
132  NAME .SIXBT 'TREESIDMP' / AMDT1 - FILE NAME OF WORK FILE
00150 R 242205 A
00151 R 052361 A
00152 R 041520 A
133  000000 A .END
00156 R 000156 E *E
00157 R 000157 E *E
00160 R 000160 E *E
00161 R 000161 E *E
00162 R 777777 A *L
00163 R 000006 A *L
00164 R 000001 A *L
00165 R 000000 A *L
      SIZE=00166      NO ERROR LINES

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COMCOM	00001	39*	55			
COMPAD	00153	56	70			
CONNAD	00004	42*	53	120		
DATAR3	00076	95	101*			
DF	00000	38*	38			
DFADDR	00147	37	131*			
DFAD1	00011	47*	51	61		
DFAD2	00012	48*	105	122		
DLOUP	00041	76*	82			
DTIN20	00156	37	98			
EARG22	00145	121	129*			
EARG23	00146	123	130*			
ENDCO	00154	74	76			
EOCON	00032	58	67*			
EOCONN	00005	43*	57	97		
EOCPAD	00002	40*	72			
ERDET	00157	37	64	108		
ERDETD	00160	37	127			
ERDETT	00006	37	44*	128		
IDEV	00013	49*	94			
NAME	00150	87	116	125	132*	
READ	00116	54	117*			
SCAN	00155	71	75	78	79	81
SIZE	00003	41*	41			
SPAR1	00031	63	66*			
SPAR2	00105	107	110*			
WRITE	00057	52	88*			
.DA	00161	37	45			