@@@@@@@ @ @ @ @ @ @@@@@ @ @ @ @ 99 99 9 66666 666666 99999 @ ( @ ( @@@@@@@ æ 999 œ @ ē ē ē @ ē 66666 @ @ @ @ @ @ ē ē 666 66666 66666 666 (6) **@@@@@** 66666 6 6 6 6 6 6 6 06666 @@@@@ 66666 @ œ œ œ (c) æ 3 @ æ e 66666 66666 @ 0000 e e œ. @ ē 000 **eeēee** 666 £ 6666666 3

Spool Queue Line #: 26 IRIS LU/Filename : 18/L.TIPD81.9291

Printed on/at: FEB 7, 1990 14:48:29 For Group/User: 0 , 1 On Port No: 5

Print control parameters:
Printer Class code:
Form Code/paper type:
Print Priority (0-9):
Starting Page Number:
This is copy number:
Keep file (Y/N):
Notify User when done:
Comments, optional:

ie: N : For RELSE CNTRL

@@@@@@@ @ @ @ @ @ @@@@@ @ @ @ @ @@@@@ @ **eeeeee** 66666 eē 6 ·@ @ 999 e 666 @ ēeeeee 66666 6 ē **@@@** ē œ 66666 666 ē 66666 66666 66666 99999 9 99 9 9 66666 66666 @ 3 <u>@</u> (i) 6 6 (6) @ @ 00000 6 66666 6666 (E) 6 **@**` 666 3 e <u>ēēē</u> <u>(ð</u> 66666666 66666

Spool Queue Line #: 26
IRIS LU/Filename : 18/L. TIPD81. 9291

Printed on/at : FEB 7, 1990 14:48:36 For Group/User: 0 , 1 On Port No: 5

Print control parameters : Printer Class code : Frinter Class code
Form Code/paper type:
Print Priority (0-9):
Starting Page Number:
This is copy number:
Keep file (Y/N):
Notify User when done:
Comments, optional:  $_{\rm Y}^{1}$ 

N For RELSE CNTRL

EOT ; "TIPB!" (DISCSUBS GROUP 5) FOR IRIS R9. xx EOT ; "DSUBDEFS" FOR IRIS

; "DSUBDEFS" FOR IRIS .END

```
Batchfile: R95JCL.TIPD81

; A = 9291

-R95DEFSPZ
-R95DSUBDEFSD
R92TIPDSB81SA

.EOT ; "TIP81" (DISCSUBS GROUP 5) FOR IRIS R9. xx
```

ASM 18/A. TIPD81. 9291!, @18/L. TIPD81. 9291!, B050, -B051, B052 FEB 7, 1990 11:39:57

j

į

```
REVIS=
                                         4
                                                 the revision number
CALL BLA B$ C$ DE
     A= mode - 0 - return revision number
        mode - 1 - sinule character search
                       searches for first char of B$ in C$
        mode - 2 - search for string B$ within C$
        mode - 3 - search for next word in C$, position and length returned in D and E respectively, words are
                      two or more upper case alpha numeric chracters
        mode - 5 - search for B$ in C$, starting at begining, the
                      routine assumes that both B$ and C$ are terminated
                      with zero-word and that both strings and even the
                       section to be found are alligned on word boundaries.
     Bam target - string to be found, mode 1 only 1st char used
                                          mode 2 entire match required
     () 第二
          dest. - string to be searched
          result - mode O: D<= revision number
     r) ==
                          1: D<= first occurance of B$[1,1] in C$
                          2: D<= first occurance of B$ in C$ after
                                  start position of D
                          3: D<= begining of next word, O if none found</p>
                          5: D<= begining of B$ in C$ if present
     E ==
          length of word, mode 3 only, O if no word found
                            . TXTM 1
       102400
                            . LOC LTP01
102400 . 160 DSB160:
                            TIPOI
102401
                            START-DSB160
102402 177426
                            DSB160-DSBEND
102403
        54515 START:
                            STA 3, RET
                                                 ; the return address
                            STA 2, APT
102404
        50513
                                                 pointer to the arguments
102405
         4437
                            JSR PICK
                                                 ; go and get the value of the switch
102406
         4412
                            JSR LSEND
                                                 ; check size of switch and branch
                     pointers to the various internal routines
102407
           46 LSTRT:
                           VO-LSTRT
                                                 ; version of this discsub
102411
102412
102413
102414
102415
           60
                             V1-LSTRT
                                                 ; single character search
          131
                              V2-LSTRT
                                                 string search
          131
                               V3-LSTRT
                                                 spelling dictionary mode
           14
                                EX-LSTRT
                               V5-LSTRT
          131
                                                 word search mode
           14
                              EX-LSTRT
102416
           1 44
                             EX-LSTRT
102417
           14
                            EX-LSTRT
```

```
102420 40417 LSEND:
                             STA O, SWICH
                                                  store switch for reference
   102421 126420
                             SUBZ 1,1
                                                  ; should not be less than O
  102422 106032
                             SGE O, 1
   102423
            2475 EX:
                             JMP @RET
                                                  ; it is so do an error return
                             LDA 1 SIZE
SLE 0 1
   102424
          24410
                                                 ; the valid maximum switch
  102425 106433
                                                 ; it should be less than equal
  102425 2472
102427 171000
                             JMP @RET
                                                 ;its not so do an error return
                             MOV 3, 2
                                                 ; A3 has the address of LSTART
   102430 117000
                                                 ; it now has the address of the pointer
                             ADD 0,3
   102431 35400
102432 173000
                             LDA 3,0,3
ADD 3,2
                                                  ;load the pointer value
                                                  ; add the pointer to address of LSTART
   102433
           1000
                             JMP 0, 2
                                                  ; jump to this, the real address
   102434
             11 SIZE:
                             LSEND-LSTRT
                                                  ; the number of routines here
             Ö ŘĚTS:
4 RNUM:
   102435
                             00000
                                                  jused for subroutine RTN addresses
   102436
                             REVIS
                                                  ; the revision number
   102437
               O SWTCH:
                             O
                                                  ; temporary storage of A
102440 30457 PICKN: | LDA 2, APT 102441 24002 | LDA 1, C2 102442 123000 | ADD 1, 2
   102443 50454
                             STA 2, APT
+11.11111PICK returns the value of the next parameter in AO;;;;;;;;
        A2 points to the parameters table entry
   102444 54771 PICK
                             STA 3, RETS
                                                 "; store the return address
   102445 25001
                             LDA 1,1,2
LDA 2,0,2
SUBZL 0,0
                                                 number type of the parameter
          Bĭööō
                                                 address of the parameter amake a one as a so DECIMAL loads
   102446
   102447 102520
   102450
          6120
                             DECIMAL
                                                 ;DA gets the parameter
   102451
            6121
                            FIX
                                                 ;A1 gets the value of the DA
   102452 2446
102453 121000
                             JMP @RET
                                                 ; fix had an error so return
                             MOV 1,0
                                                 ; put the parameter value in
   102454 2761
                             JMP @RETS
                                                 return
fifther value of this discsub in second parameter
   102455 24761 VO:
                      LDA 1, RNUM
SUBZ 0, 0
                                                 revision number
   102456 102420 PUTD:
                                                 isign of number is +ye
   102457
           6122
                         FLOAT
                                                 convert to a decimal
          30437
                                                 ; the pointer to the arguments
                         LDA 2, APT
          25007
31006
   102461
                         LDA 1,7,2
                                                 inumber type of D
                         LDA 2, 6, 2
SUBZ 0, 0
   102462
                                                 ;address of D
   102463 102420
                                                 tells Decimal to do a store
   102464
           0916
                         DEC1MAL
                                                 ;store the Revision in B
   102465
                         LDA 3 RET
          34433 EXIT:
                                                 ; the return address
          1401
                                                 ;do a skip return
102467 30430 V1:
102470 35002
           30430 VI: LDA 2, APT
                                                 ; the argument pointers
                         LDA 3, 2, 2
                                                 ;A3 gets the address of B$
                        LDA 0, 0, 3
   102471 21400
                                                ; AO gets the first two bytes of B$
   102472 101320
102473 24064
                        MOVZS O, O
                                                 ; movē first byte to lsbits
                       LDA 1,0377
                                                 ; to mask out the least sig character
   102474 123400
                       AND 1,0
                                                 ; AO now contains B$[1,1]
```

```
102475 40425
                                      STA O, B1
                                                                              ; the first character of B$
102476 35005
                                     LDA 3,5,2
                                                                              ; the dimension and type of C$
102477 175100
                                     MOVL 3, 3
                                                                              ; shift out the Msb
            175220 MOVZR 3,3
54420 STA 3,CSZE
31004 LDA 2,4,2
124420 LGOP1: JSR GET
102500 175220
                                                                              remove the type bit
                                                                  ; remove the type bit
; store as the size of C$
; A2 gets the address of C$
; A1 is the counter in string C$
; get the character in A2+A1 into A0
; skip if not end of string
; not found
; increment the substring count
; the size of C$
; skip if not last character
; not found
; B$[1,1]
102501 54420
102502 31004
102503 126420
102504
102505 101015
                                      SNZ O, O
102506 430
                                     JMP NOTE
                                     INC 1.1
LDA 3. CSZE
SGE 3.1
JMP NOTE
102510 24411
102511 166032
102512 424
102513 34407
102514 162414
                                     LDA 3, B1
                                                                              ;B$[1,1]
                                     SEQ 3,0
JMP LOOP1
                                                                              skip if we have found a match
102516
             767
                                                                              ; try again
                                     JMP PUTD
              740
                                                                              ;we have found the character
             O APT:
O RET:
102517
                                                                              ; used for storing the pointer to arguments
102520
                                      ()
                                                                               ; stores the return address
102521
             o caze:
                                                                               ; the dimension of C$
102522
                 O B1:
                                                                               ; the first character of B$
                                      0
                  O RTN2:
                                      ()
102524 54777 GET:
102525 135000
102526 175220
102527 157000
                                     STA 3, RTN2
MOV 1, 3
                                                                              ; note the return address
                                                                              ; the byte pointer
                                                                  ; convert to a word ;
;A3 now points at the convert them ; don't swap on even ; swap since odd ; the byte mask
                                     MOVZR 3,3
                                                                              convert to a word pointer
                                     ADD 2,3
                                                                              ;A3 now points at the bytes
102530 21400
102531 125213
102532 101300
                                     LDA 0,0,3
                                     SKO 1, 1
MOVS 0, 0
102533 34064
102534 163400
102535 2766
                                  LDA 3, C377
                                  AND 3,0
                                                                              imask out the wrong byte
                                     JMP @RTN2
                                                                              return
102536 126420 NOTF:
102537 717
                                     SUBZ 1,1
                                                                              ; make a zero
                                     JMP PUTD
                                                                               ; put the result and return
            102540 V5
                                                                              ; mode 5 uses same input parameters
102540 V3:
102540 20757 V2:
102541 35002
                                                                              modes two and three share much code
                                    LDA 2, APT
LDA 3, 2, 2
STA 3, BADR
LDA 3, 3, 2
MOVL 3, 3
NOVZR 3, 3
STA 3, BSZE
                                                                              string search propper
                                                                   ; address of B$
; store for future reference
; the dimension and type of B$
; shift out the msb
; shift back without the bit
; the size of B$
; the address of C$
; remember it
; the size and type
; the address only
; the type bit is removed
; the size of C$
                                                                              ; address of B$
102542 54464
102543 35003
102544 175100
102545 175220
102546 54457
102547 35004
                                     DA 3,4,2
STA 3,CADDR
102550 54457
102551 35005
                                     LDA 3, 5, 2
152552 175105
102553 175220
102554 54745
                                     MOVL 3,3
MOVZR 3,3
STA 3,CSZE
102555 24026
                                   LDA 1,C6
                                                                              ; the address of D
102556 133000
                                    ADD 1, 2
                                                                              ;A2 now gets the address for D
```

....

```
102557
       4665
                        JSK PICK
                                                   get the original value of D for POS
102560 40444
                        STA O, POS
                                                   ; nothing found
102561 24656
102562 20002
102563 106414
102564 446
102565 126420
        24656 NMTCH: LDA 1, SWTCH
                                                   ; what was the mode switch on entry
                                                  ; was it 2
;???? was the mode 2
                        LDA 0,02
                        SEQ O. 1
                        JMP MODES
                                                  ;ND, therefore assume mode 3
                        SUNZ 1.1
LDA 2.BADR
                                                  ; since no match set string counter to O
102566 30440 LOOP:
                                                  ; the address of B$
102547 4735
102570 101015
         4735
                        JSR GET
                                                  ; get the character
                                                  ; skip if not end of B$ and match found uet
                        SNZ O, O
102571
          430
                        JMP FND1
                                                  ; we have found a match
        40730
                        STA O. B1
                                                  ;store the character we have just got
102573 30432
102574 132433
                        LDA 2, BSZE
                                                  ; the dimensioned size of B$
                        SLE 1.2
                                                  ;skip if this is not reached
102575
         424
                        JMP FND1
                                                  ;we have hit the end of B$, so match
102576 30431
                        LDA 2, CADDR
                                                   ; the address of C$
102577 34425
102600 44431
                        DA 3, POS
STA 1, ACC1
ADDZ 3, 1
                                                  ; the position we are investigating
                                                  ; make a note of A1
102601 167020
                                                  ;increment 1 so that we take into account POS
                                                  get the character from C$
         4722
105905
                        USR GET
102603 24426
                                                  ; restore the accumulator
                        LDA 1, ACCI
102604 101015
                                                  ;skip if not at end of C$
                        SNZ O, O
        731
30714
                        JMP NOTE
102605
                                                  ;we are at the end of C$
102606
                        LDA 2, B1
                                                  restore the value for B$
102607 142414
                                                  skip if they match
                        SEQ 2.0
        403
102610
                        JMP FAIL1
                                                   ; the match făiled
102411 125400
102612 754
                        INC 1, 1
                                                   ; increment the substring counter
                        JMP LOOP
                                                   ; check the next characters
102613 10411 FAIL1:
                        ISZ POS
                                                  ;look at the next position
                                                  ;we are going to check it; the size of C$
102614
         20410
                        LDA O, POS
                        EDA 3, CSZE
SGE 3, O
JMP NOTF
102615
        34704
102616 162032
102617 717
102620 741
                                                  continue if it fits
                                                   ; not founf
                        JMP NMTCH
                                                   restart the index counter
102621 24403 FND1:
102622 125400 FND51:
                        LDA 1, POS
                                                  ;pos is the position where we matched
                        INC 1, 1
                                                   ; no displacement is called 1 etc
103823
        633
                        JMP PUTD
                                                   put this value and return
          O POS:
102624
102625
102626
                                                   ;where we find the value
           O BSZE:
                        0
                                                   ; the size of B$
           O BADR:
O CADDR:
                                                   the address of B$; the addr of C$
                        0
102827
                        0
           0 01:
                                                   ; temporary storage of char from C$
                        0
102631
           0 ACC1:
                                                   ; temporary storage of Al
102632 101120 MODE3: 102633 122433
                        MOVZL 0,0
                                                   ; AO contained 2 now contains 4
                        SLE 1,0
                                                   ;??? A1 contains the switch, are we in MODE3,4
         465
102434
                        JMP MDE5
                                                   ; NO, therefore it is MODE 5
102635
         30662
                        LDA 2, APT
                                                  ; we are going to find the value of LENW
102636 24030
                                                  ; the argument displacement
                        LDA 1, C10
                                                   A2 contained the address for the 4th parameter
102637 133020
                        ADDZ 1,2
                                                  we increment this to point at LENW
102640
         4504
                        USR PICK
                                                   get the value of the LENW parameter
102641
        40510
                        STA OLLENW
                                                   ;note it
102642 24762 AGAIN: LDA 1,POS
                                                  ;as passed by the caller, or by us if we
```

```
102643 20006
102644 123000
102645 24654
102646 106433
                              LDA O, LENW
                                                                    ; the specified lenght of previous word
                                                                    ; move pointer to next word
; the dimensioned size of C$
                                ADD LO
                                LDA I, ČSZE
                                SLE 0, 1
                                                                    ;???? are we within the line still ;NO, set everything to O for not found
102847
                                JMP BYOND
102850 40500
                                                                    ;YES, set up the scan position as start of this newly found word
                                STA O. SCAN
102651 40753
                                STA 0, POS
                                                                    ; this is also the begining of the word
102652 102420
                                                                    ; the words length is currently zero
                                SUBZ 0.0
102653 40476
                                STA O, LENW
                                                                    ; save this value
            30753 LOOP3: LDA 2, CADDR
102654 30753 LOOP3: LDA 2, CADDR 102655 24473 LDA 1, SCAN 102656 4646 JSR CET 102657 24467 LDA 1, CHARA 102661 407 JMP FNDWD 102662 24465 LDA 1, CHARZ 102663 106433 SLE 0, 1 LOZ664 404 JMP FNDWD 102665 10463 LSZ SCAN 102666 10463 LSZ LENW 102667 765 JMP LOOP3
102654
                                                                    ; the address of the second parameter
                                                                   ; character number to scan
; get the SCANth character from C$
                                                          ; get the SCANth character from C$
; the character A
; ???? is the specified character greter then
; NO, therefore we have found the end of word
; the greatest legal character
; ???? character >="A" and <="Z"
; NO, its greater than Z, so end of word
; ready for the next character
; one more character has been found in the wor
                                                                   ; ???? is the specified character greter then A
                                                                    ; one more character has been found in the word
                                                                    ; chack the next character
102670 24461 FRDWD: LDA 1, LENW 102671 30002 LDA 2, C2
                                                                    ; see how big the word is
                                                                    ; words less than 2 don't count
102672 132032
                                                                   ;???? is lenght greter than or equal to 2;NO, the word is to short
                                SGE 1,2
102673
                                JMP SHORT
           411
102674 102420 Find:
                                SUBZ 0.0
                                                                    required by FLOAT
102675
                               FLUAT
            6122
                                                                    ;place LENW in DA
102676
            30521
                              LDA 2, APT
                                                                   ; the arquement pointer
102677 25011
102700 31010
102701 102420
                              DA 1, 11, 2
LDA 2, 10, 2
SUBZ 0, 0
                                                                   the number type of LENW; the address of LENW
                                                                    ; the store DA parameter ; store the DA in LENW
                             DECIMAL
JMP FND1
102702 6120
102703
           216
                                                                    ;place incremented POS in D as we have
                                                                    ; already stored LENW
102704 30056 SHDRT:
                                LDA 2,0240
SGR 2.0
                                                                    ; chack that we have not hit end of line
102705 142432
                                                                    ;???? is the character a control character
102706
                                JMP RPT
           405
                                                                    ;NO, so try again
102707 126000 BYOND.
102710 44714
102711 126420
                                                                    ; generate -1 for incrementing to zero ; the position of the start of this word
                              ADC 1, 1
                                STA 1, POS
                                SUBZ 1,1
                                                                   generate a zero as not found generates generates
102712 762
                                JMP FIN3
                                                                    restore these values for return
102713 102420 RAT.
102714 40493
102715 20433
                                SURZ O, O
                                                                   ; try for another word as this was too short
                                STA O. LENW
                                                                   reset length to O
                              LDA O, SCAN
                                                                 start at last investigated character
102716 151400
102717 40700
102720 782
                            INC 0.0
STA 0.POS
JMP AGAIN
                                                                 ;step beyond it
                                                                   ; this is start of the word
                                                                   try whole thing again
                                                             ; we are starting so position=0
102721 125450 MD55 : SUBZ 1,1
102722 44702 STA 1,POS
                                                                   reset the position
```

; are skipping short words

102724 102726 102726 102727 102730 102733 102733 102734 102736 102736	54700 21000 L0005; 01015 411 25400 25015 -407 407 51400	LDA 2, BADR LDA 3, CADDR LDA 0, 0, 2 SNZ 0, 0 JMP FND5 LDA 1, 0, 3 SNZ J, 1 JMP NOTF SEQ 0, 1 JMP FAIL5 INC 2, 2 INC 3, 3 JMP LOOP5	the address of B\$, A2 will be used as pointer the address of C\$, A3 will be used as pointer AO gets next word from B\$;??? is it the terminator YES, therefore we have a match NO, so get next word from C\$;??? is it the end YES, therefore there is no match YES, therefore there is no match YES, therefore there is no match YES, is the C\$ and B\$ words equal NO, so start at the next position YES, so step both strings
102740	24664 FND5:	LDA 1, POS	;we have hit end of B\$ so we have a match, ;we must convert POS to a pointer and return
102 <b>74</b> 1 1	25120	MOVZL 1, 1	convert to a byte pointer ; return this value
102 <b>74</b> 2	660	JMP FND51	
102744	1056; FA <b>IL5</b> :	ISZ POS	;we failed this section, move up dand try again
	10563	ISZ CADDR	;step in C\$
	756	JMP V5RPT	;repeat the procedure
102746	301 CHARA:	501	; the character "A"
102 <b>74</b> 7	332 CHARZ:	332	; the character "Z"
102750	0 SCAN:	O	<pre>; the current character to investigate ; lenght of previous word</pre>
102751 1	02751 LENW:	LENW	

DSBEND=.
DSB160+400<.; OVERFLOW CHECK

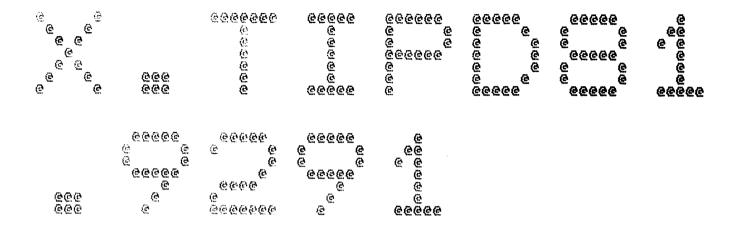
. EMD

61230 61240 61240 612742 6000000000000000000000000000000000000	FND51 10261537 4000 474000 474000 474000 11574000 11574000 11574000 11574000 11574000 11574000 11574000 11574000 11574000 1157740000 115774000 115	FLAGUD 10200000 10200000 10200000 1020000 1020000 1020000 1020000 1020000 1020000 1020000 1020000 1020000 1020000 1020000 1020	B1	BBS 1024 5 5 3 4 4 6 4 2 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 5 5 1 4 6 4 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 7 7 7 4 4 6 1 1 0 2 4 5 1 0 0 2 4 5 1 1 1 0 3 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
PICKN 102440	FUS 102624	PUTBY 6134	PUTD 102456	QCHAR 6103	
QUEUE 6104	READB 6135	RELJM 6136	RET 102520	RETS 102435	

using these sorts

V5 . ABA . DB . INFO . SSA	102540 14 176 100 13	V5RPT BPS DB3 INTR	102723 77 177 111	WRITB BSA FLTO LCM	6143 10 152 114	XGETB . DA . HBA . NRET	6144 174 11 112	XPUTB . DA3 . HXA . SRET	6145 175 12 113
--	----------------------------------	-----------------------------	----------------------------	-----------------------------	--------------------------	----------------------------------	--------------------------	-----------------------------------	--------------------------

\*\* \*\*\*



Spool Queue Line #: 27 IRIS LU/Filename : 18/X. TIPD81. 9291

Printed on/at : FEB 7, 1990 14:50:13
For Group/User: 0 , 1
On Port No: 5

Print control parameters:
Printer Class code : O
Form Code/paper type : ?
Print Priority (O-7) : 5
Starting Page Number : 1
This is copy number : 1
Keep file (Y/N) : Y
Notify User when done: N
Comments, optional : For RELSE CNTRL

@@@@@ @ @ @ @ @ 9999999 9 99  $\tilde{\mathcal{G}}$ Ē @@@@@ 999999 99999 @@@@@@@ @ @ (@@@@@@@ æ (S (3) **@@@@@** @ @ @ 9 9 i G **10000** ē ē ē 66666 @ @ œ @ ē 3 @ ē ē 000 ĕ 66666 **@@@@@ @@@@@** 299 66666 66666 66666 @@@@@ Œ 99 99 9 <u>@</u> 0 143 (2)  $\mathfrak{S}$ íc. @ 66666 6 66666 æ 色色色色 œ **(**E) 使使没 @ ē <u>@@@</u> (ð) @@**@@@@**@ 66666 Ø

Graci Gueue Line #: 27 IRIS LU/Filename : 18/X. TIPD81. 9291

Printed on/at : FEB 7, 1990 14:50:23
For Group/User: 0 , 1
On Port No: 5

Printer Class code : O
Form Code/paper type : ?
Printer Priority (0-9) : 5
Starting Page Number : 1
This is copy number : 1
Keep file (Y/N) : Y
Notify User when done: N
Comments, optional : For RELSE CNTRL

\*\*\*\*\* JUB STATISTICS \*\*\*\*\*

2 TOTAL # DUPLICATE KEYS
0 TOTAL # DIR. RE-ORGS
204 TOTAL # KEYS INSERTED
0 TOTAL # ASSEMBLY ERRS

FEM 7,	1990	11:40		18/L. TII	PD81 9291	<u> </u>		PAGE	1
	57	339							
ACCA		200	2.203	2. 228:					
AQAIN		240:	2, 295	and and and and and a					
APT		048		2. 086	2. 106	2.117	2. 142:	2. 166	
<i>₹</i> **	2.	233	2.083 2.273	a. voo	e. 100	<b>E. 11</b> /	E. 17E.	E. 100	
81	7.77 6.7	123	2 137	2. 147:	2.194	2, 206			
BADA	# / / .	168	2.190	2.225:	2. 300				
5925	2.	175	2.195	2. 224:					
BACTI.	⊋.	246	2. 284:						
	#1 #5.	227:							
(_ 1 -	2 1 2 X	234							
A control of the cont	$\vec{z}'$ .	084	2. 186	2. 267					
( ( ( ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	Files .	281							
0.340	$\mathcal{D}$	121	2.157						
C.	2.	180							
	$\frac{m^{j}}{m^{j}}$ .	174	2.198	2. 226:	2, 253	2. 301	2. 320		
		256	2. 328:						
	Ë.	259	2. 329:						
eate	**************************************	127	2.134	2.146:	2. 178	2. 214	2. 244		
	2.	095	2.110	2. 277					
Dest		043:	2.044	2.045	2. 339				
DSAME	iJ.	045	2. 338=						
	$\mathcal{L}_{\epsilon}^{i,j}$ .	058	2. 060	2.061	2.062	2. 067:			
HXIT	2.	111:							
FAILL	2	208	2 212:						
PARK	2	309	2.319:						

COPYRIGHT (C) 1990 by POINT 4 DATA CORPORATION

FEV I	790   11:40	)	18/L. T.	IPD81. 929	1!		PAGE 2 .
FIND	2.271:	2 258					
W I x	2. 096						
r Lae I	2.105	2. 272					
AND.	2.193	2. 197	2.219:	2, 278			
FADS	2. 304	2. 314:					
	2. 220:	2.317					
F NECTOR	2. 258	2. 251	2, 266;				
	2.130	2. 150:	2. 191	2. 202	2. 255		
	2. 238	2 242	2. 251	2, 263	2. 266	2. 291	2. 332:
1,058	8. 190:	2.210					
LOUPE	a. 1 <b>3</b> 0:	2.137					
	2. 253:	2.264					
10045	2.302:	2.312					
	2.050	2. 064	2.077				
1.3180	요. <b>054</b> : 2. <b>061</b>	2.055 2.062	2. 056 2. 077	2. 057	2. 058	2. 059	2. 060
	9 042						
	2.232	2. 298					
	2 188	E. 230:					
<b>8</b> 45 100	2. <b>195</b> :	E. E.17					
	2. 132	2 136	2.161:	2. 205	2. 216	2. 307	
PLOW	2.049	2. 091:	2. 182	2. 237			
FICES	2, 083:						
PO:	2, 183 2, <b>249</b>	2.1 <b>99</b> 2.2 <b>8</b> 5	212 294	2, 213 2, 299	2.219 2.314	2. 223: 2. 319	2. 240
PURD	2 104:	2. 14()	2.162	2. 221			
por fue	2 047	2.047	2. 070	2.097	2.111	2. 143:	

COPYRIGHT (C) 1990 by POINT 4 DATA CORPORATION

FEB 7, 1	790 - <b>11:4</b> 0		18/L. TI	PD81. 929	1!
RETS	2. <b>078</b> 1	2.091	2.099		
REVIS	2.008=	2. 079			
RNUM	2. 079:	2.103			
RET	2.283	2. 290:			
RTNE	2.148:	2.150	2.159		
SCAH	2. 247	2. 254	2, 262	2, 292	2. 331:
	2. 2 <b>69</b>	2. 281:			
<b>5175</b>	2, 048	2. 077:			
START	R. 044	2. 047:			
SUTUR	2. 064	2. 090:	2.185		
T1900	9 043				
VO	2.054	2.103:			
	2.055	2 117:			
3 (4.47) 3 (32)	2.056	2. 166:			
V3	2.057	2. 165:			
VS	2 059	2.164:			
V5857	2.300:	2.321			

PAGE 3 .