

PIP, DUP, DIR, VRF, SPL, LDA

2 3 1

1.20001-01 34 03-1

51

1982

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-
-
-
-
-

(PIP);
(DUP);
(DIR);
(VRF);
(SPL);
(LDA).

PIP

DUP

DIR

VRF

SPL

LDA

FB- XM-

(, . .).

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1.

(CSI) -

"R",

(CR),

DIR:

.R DIR(CR)

(*)

(CTRL/C),

"REENTER"

1.1.

OUTFIL/S=INPFIL/S

EDIT PATCH

DEV: FILNAM.TYP[N], ..., DEV: FILNAM.TYP[N]

DEV: FILNAM.TYP, ..., DEV: FILNAM.TYP

/S: B HA /S: HA .

DEV

"DK:"

();

FILNAM.TYP

1-6

1-3

[N]

(<65535),

; N -

/S: B HA

1-3

KO RADIX-50;

/S: HA .

=

"<"

"="

"RK:"

*RK0: FIRST.OBJ, LP:=TASK.1, RK1: TASK.2, TASK.3

*RK0: FIRST.OBJ, LP:=DK: TASK.1, RK1: TASK.2, RK: TASK.3

FIRST.OBJ

RK0: . TASK.1

DK: . TASK.2 TASK.3

RK1: .

RK0:

FIRST.OBJ.

/S:B HA ,
) ,

/L:MEB/L:TTM/L:CND

/L:MEB:TTM:CND

RADIX-50;

1.2.

():
.()

^

>

*

(CTRL/Z) " ^"
"B>" "F>" ;
"*" , <CR>

2.

(PIP)

2.1.

2.2.

PIP

.R PIP

PIP
PIP

PIP

),

PIP

, PIP

PIP

"%"

** .B=A%B.MAC

B.=A%B.MAC

".BAK"

DK:

** .BAK/D

".BAK",

.TST:

** .TST=* .BAK/R

PIP

```

, PIP
.SYS,
/Y.
:
?PIP-W-NO .SYS ACTION ; /Y
; .SYS
PIP .BAD, ".BAD"
.BAD
(*.BAD). DK:
RK1:. .BAD
*RK1:*.*/Y=*.

```

2.3.

PIP

2.3.1.

PIP

PIP

```

, PIP
/A - (7- ) ;
- "000" "177"; (CTRL/Z) ;
( 032);
/B - ( ) ;
/C - ;
/D - ; PIP
- ; /D
/G - ;
- ;
/K:N N LP:, TT:, PC:;
/M:N - ;
/N - ;
/O - ;
/P - ;
/Q - ;
- "Y";
/R - ;
/S - ;
/T - ;
/U - ;
/W - ;
/Y - .SYS.

```

2.3.2.

PIP

. N -

(N.)

"/M:N"

2.3.2.1.

(BOT)

(EOT)

"/M:N"

/A, /B, /C, /D, /G, /M, /P, /Q, /S, /U, /W, /Y.
/K, /N, /O, /R /T
, O

"/M:N" HE
"N"

"/M:N"

"/M:N"

N = 0

-

PIP

N -

- PIP

; PIP

N-

PIP HE

N -

-

(N>0).

N = 0

-

"/M:N"

PIP

(LEOT);

PIP

LEOT, . . .

N -

- PIP

N-

PIP

N-

LEOT,

N-

PIP;

PIP

LEOT;
LEOT

N -

-

N>0).

, PIP

CTN: PUSH REWIND OR MOUNT NEW VOLUME

;

(.)

, PIP

, PIP,

, PIP

1

CT1:. *=RK:RK*.SYS,%%.SYS/Y/W/M:1
FILES COPIED:
RK:RKMNSJ.SYS TO CT1:RKMNSJ.SYS
CT1: PUSH REWIND OR MOUNT NEW VOLUME

RK:RKMNFB.SYS TO CT1:RKMNFB.SYS
RK:DT.SYS TO CT1:DT.SYS
RK:CR.SYS TO CT1:CR.SYS
RK:LP.SYS TO CT1:LP.SYS
RK:PC.SYS TO CT1:PC.SYS
RK:RK.SYS TO CT1:RK.SYS

() .

.DIRECTORY T1:
13-MAR-79
RKMNFB.SYS 1 13-MAR-79 DT .SYS 0 13-MAR-79
CR .SYS 0 13-MAR-79 LP .SYS 0 13-MAR-79
PC .SYS 0 13-MAR-79 RK .SYS 0 13-MAR-79
6 FILES, 1 BLOCK

CTN: PUSH REWIND OR MOUNT NEW VOLUME

; PIP

PIP

, PIP

RK1:.*=CT1:RKMNFB.SYS/Y/W

FILES COPIED:

T1: PUSH REWIND OR MOUNT NEW VOLUME

CT1:RKMNFB.SYS TO RK1:RKMNFB.SYS

*

CTRL/C, PIP HE

1)

"N"

"/M"

* 1:*.*=CT0:DMPX.MAC,EXAMP.FOR/M:1000

*^C

.R DUP

*CT0:/Z/Y

*

2)

. PIP

"/ :N",

(LEOT).

*CT0:DUMMY.FIL=DT0:GLOBAL.MAC/M:-4

*^

.DIRECTORY 0:

19-APR-79

DMPX .MAC 0 19-APR-79 MATCH.PAS 0 19-APR-79

EXAMP.FOR 0 19-APR-79 DUMMY.FIL 0 19-APR-79

4 FILES, 0 BLOCKS

:

CTN:.*=DEV:*/M:1

N "/M:N"

DEV:.*=CTN:*/M:1000

PIP

PUSH REWIND OR MOUNT NEW VOLUME

, PIP

DEV:.*=CTN:*/M:1000

(CTRL/C), . .

2.3.2.2.

EOF1,

/A, /B, /C, /G, /M, /P, /Q, /S, /U, /W, /Y.
/D, /K, /N, /O, /R, /T

"/M:N"

"/M:N"

(EOF),

EOF

(BOT).

PIP

"N"

1)

, PIP

;

2)

, PIP

;

3)

, PIP

"BOT",

" "

"/M:N"

"/ :0"

"N"

"N"

(

)

"/M:N"

:

N = 0

-

, PIP

;

PIP

N -

- PIP

PIP

;

PIP

"N";

: "?PIP-F-FILE NOT FOUND";

, PIP

;

"N"

N = -1

- PIP

PIP

(

),

"/M:N"

:

N = 0

-

; PIP

)

N -

- PIP

"N"

;

(LEOF),

"N"

, PIP

: "?PIP-F-FILE SEQUENCE NUMBER NOT FOUND";

, PIP

;

N = -1

- PIP

LEOF

; PIP

N = -2

-

; PIP

(LEOF)

, PIP

PIP

(CTRL/C), PIP

"LEOF"

(LOAD),

:

1) :

DEV1:.*=DEV0:*.
*^C
.R DUP
*DEV0:/Z/Y

2) "/M:N",

. PIP
(LEOF).
*DEV0:NEWFIL.TYP=MT:OLDFIL.TYP/M:4

2.3.3.

PIP

. PIP .SYS,
PIP (')
PIP , PIP
.BAD, PIP

2.3.3.1.

PIP

, PIP
PIP HE
XYZ.SAV DK:
ABC.SAV (DK:)
*ABC.SAV=XYZ.SAV
A, .MAC DK:
DX1:
DX1:.*=A%%.MAC

2.3.3.2.

(/A)
"/A" (-7).
-7 PIP "000" "177". PIP F2.FOR
"(CTRL/Z)" (032)
DK: RK1: -7 F1.FOR:
*RK1:F1.FOR=F2.FOR/A

2.3.3.3.

(/B)
"/B" (.OBJ,
FORTRAN, .LDA,
LINK).
DK: FILE.OBJ:
*DK:FILE.OBJ=PC:/B
PIP

, PIP HE
"/B"; PIP
"/G",

?PIP-F-LIBRARY FILE NOT COPIED
;

```

2.3.3.4.      /C
"/C"
      .      "/C"
      .
      .MAC,
RK2:      NN3.MAC
      .
      "I M1.*",
      DK:      '
*RK2:NN3.MAC=ITEM1.* /C,* .MAC/U
      .
      "/C".
      .
      (      .SYS      .BAD)
      DK:      DX1:
*DX1:*.*=*.* /C
2.3.3.5.      (/G)
"/G"
      .
      PIP
      .
      "/S".
      .
      "/G"
      .
      , PIP
      :
?PIP-W-INPUT ERROR
;
      .
      -7      RK1:      RK2:      F1.MAC      F2.MAC
      .
      .
      .
      COMB.MAC
*RK2:COMB.MAC=RK1:F1.MAC,F2.MAC/A/G/U
2.3.3.6.      (/K:N)
      "/K" PIP      "N"
      .
      :
      .
*LP:=FOO.LST/K:3
      .
      FOO.LST.
2.3.3.7.      /N
"/N"
      .
      .
      "/N".
      .
*DX0:CT.SYS=DK:CT.SYS/Y/N
?PIP-W-OUTPUT FILE FOUND, NO OPERATION PERFORMED DK:CT.SYS
;
*
CT.SYS      DX0:,
2.3.3.8.      /O
"/O"
      .
      . PIP
      .
*RK1: S 1.MAC=RK2:TEST.MAC/O
      .
      TEST1.MAC
      .
      TEST.MAC      RK2:      RK1:, TO PIP
      .
      TEST1.MAC      RK1:.
2.3.3.9.      (/P)
"/P"      PIP
*RK0:*.*=DX1:*.MAC/P
      .
      DX1:      RK0:
.MAC.
2.3.3.10.      (/S)
"/S"
      .
      "/S"

```


FILES DELETED: DX1:TEST.MAC
DX1:FIX463.SAV
DX1:EXAMP.FOR
DX1:EXAMP.OBJ DX1:DMPX.BAK DX1:SIMPL.MAC
*

2.3.7. (/Q)

"/Q"

PIP

"Y" <CR>.
DX1:

DX1:/D/Q

FILES DELETED: DX1:TEST.MAC ? Y DX1:FIX463.SAV? DX1:EXAMP.FOR ? DX1:EXAMP.OBJ ? Y
DX1:DMPX.BAK ? Y
DX1:SIMPL.MAC ? *

2.4.

.2 .5.

3.

(DUP)

3.1.

(, " , " ,) , , ,
(, . .) .

3.2.

, DUP ,
:
, .R DUP
, /S, /T, /C,
. DUP

3.3.

3.3.1.

DUP

DUP

C W,Y
I W,Y
W,F,
W,Y
S W,X,Y
T W,Y
U W
V W
Z W,B,N,R,V,Y
"/V"

DUP:

/B - "/Z" .BAD

/C:M[:N] DUP ;
- ; " " ; "N" -
; N=1;

/F - "/K"

```

/H
- "/K"

/I[:RSTART:RSTOP:WSTART]
- "WSTART" ( ) ; "RSTART", "RSTOP"
/K[:START:STOP]
- "START" "STOP";

/N:M
- "/Z" ; "M" - 1 37;

/O
-

/S
- " " ( " ")

/T:N
- "N" ;

/U
- 0, 2-5 ;

/V[:VOL]
- "/Z" ; (ID) ; "VOL"
( ) ;

/W
-

/X
- "/S" " "

/Y
- /C, /I, /O, /S, /T /Z,
"DEV:/XXXX ARE YOU SURE?" "BACKGROUND JOB LOADED;CONTINUE?" O

/Z[:N]
- "N"

```

3.3.2.

3.3.2.1. (/C:M[:N])

```

"/C"
"/C"
DEV:FILNAM.TYP=/C:M[:N]

M
-
N
- ; N , DUP
"/C" X .BAD.
"/C" "/E" "/Q"
DIR. "/C", KAK <UNUSED>.
, DUP

```

"/C"

*RK1:FILE.MAC=/C:140:3

FILE.MAC

RK1: ,

140,141 142.

3.3.2.2. (/I)

"/I"

"/I"

DUP

1

DEV:NAME=DEV:/I[:RSTART:RSTOP:WSTART]

RSTART

RSTOP

WSTART

N

CSI.

"A" -

(CSI):

*RK1:A=RK0:/I

RK1:/COPY ARE YOU SURE? Y

RK0: RK1: .

*RK1:A=RK0:/I:0:500:501 RK1:/COPY ARE YOU SURE? Y

0-500 RK0: RK1: 501 .

3.3.2.3. (/K)

"/K"

"/K"

"/F"

"/K"

"/H"

, DUP

"HARD",

, DUP

"SOFT".

DEV:=DEV:/K[:START[:STOP]]

START

STOP

"/K"

"/F"

RK1:

*RK0:/K/F

BAD BLOCKS TYPE FILENAME REL BLK

1320 HARD EDIT .SAV 20

1766 HARD LOGIN .SAV 2

4706 HARD NSDFEQ.DOC 3

1411 HARD PGN .FOR 46

3003 HARD SFGAMM.FOR 2

3.3.2.4. (/O)

"/O"

1)

2)

DEV:/O

FB-

*RK0:RKMNFB.SYS/O

OSDVK/FB V1.3B-00

...

*RK0:DXMNFB.SYS/O

*RK0:RKMNSJ.SYS/O

3.3.2.5. " (/S)

"/S"

DUP

, DUP
; DUP

ARE YOU SURE ?

.BAD HE
DUP

[DEV:NAME=]INPDEV:/S

"/X" "/S"
DUP

"/X"

?DUP-W-REBOOT

"/S".

*SY:/S

SY:/SQUEEZE ARE YOU SURE?Y

OSDVK/FB V1.3B-00

...

*RK0:A=RK1:/S

RK1:

RK0:.

RK1:

3.3.2.6. (/T:N)

"/T"

DEV:FILNAM.TYP/T:N

N

"N".

"/T:"

*RK1:FIL.TST/T:100

FIL.TST

RK1: 100

3.3.2.7. (/U)

DXMNFBSYS.

RK1: ,

1)

2)

3)

4)

5)

/Z;

/U.

*RK1:/Z/Y

(2

).

*RK1:A=RK0:/S

3 4.

RK0:

RK1:.

*RK1:A=RK1:RKMNFB.SYS/U
(5)
0,2-5 RK1: . CSI.

3.3.2.8. (V[:VOL])
"/V"

:
DEV:/V[:VOL]

DEV

"/V", (ID)
"/V:VOL", DUP
ID DUP

VOL ID?
(ID), 12

, 6
, DUP :

OWNER NAME?
, 6
12 DUP

ID 236-241 (), 1 - 242-247,
248-253. 1

(0-235 254-255). (ID) 5-10,
41-50. DUP "VOL1".
*/V:VOL:" :

*RK1:/V:VOL/Y
RK1:/VOL ID CHANGE ARE YOU SURE?Y
VOL ID? OSDVK
OWNER NAME?

3.3.2.9. (/W)

"/W" , 8
"/W" ,

"/W"
"CONTINUE?".

"Y" <CR>. "/O")

"CONTINUE?".
"/W" :

*RK1:/K/F/W
CONTINUE?Y
CONTINUE?Y
*

"/W". "/W"
8

1) USR :
.SET USR NOSWAP

2) MDUP (, DUP,):
.R MDUP
*

3) MDUP , 2.
"/W:"

*RK0:A=RK0:RKMNSJ.SYS/W.
MDUP
<CTRL/C>

3.3.2.10. (/Y)
 "/Y"
 /T /Z, : /C, /I, /O, /S,
 FOREGROUND JOB LOADED, CONTINUE?
 ; , ?
 (/C, /I, /O, /S, /V /Z)
 :
 ... ARE YOU SURE?
 ; ?
 , DUP -
 "/Y"

3.3.2.11. (/Z[:N])
 "/Z" "N"
 : /Z[:N]
 N
 - 72 31 "N"
 7 , 7 , "N"
 :
 507/(N+7) "/Z:1", TO 63
 :
 RK: 16.
 RF: 4.
 DP: 31.
 DX: 4.

3.3.2.12. (/N:M)
 "/N" "/Z"
 "M" 1 31 ().
 : /N:M
 M
 -
 : RK1: 6
 *RK1:/Z/N:6
 RK1:/INIT ARE YOU SURE?Y

3.3.2.13. ID (/V)
 DUP
 1
 RK1: ID :
 *RK1:/Z/V
 RK1:/INIT ARE YOU SURE?Y
 VOL ID? OSDVK
 OWNER NAME?

3.3.2.14. (/B)
 "/B" "/Z"
 DUP

FILE.BAD.

" . D
(FILE. BAD). " DUP

3.4.

.2 KH.5.

4.

(DIR)

4.1.

DIR

DIR

DIR

4.2.

DIR

.R DIR

*

CSI.

DIR

- DK:.

- .DIR.

MT:=DEV:.*/SWITCH

DIR

("*" " %") :

LP:=RK:.*

RK:.

DIR

DIR

DD:MMM:YY

DD

MMM

YY

4.3.

DIR

/A

/B

/C:N

"N"

(0<N<9);

"/S:NAM");

```

/D[:DATA]
-
/E
-
/F
-
/G
-
/J[:DATA]
-
/K[:DATA]
-
/L
-
/M
-
/N
-
/O
-
/P
-
/Q
-
/R
-
"/S";
/S[:XXX]
-
: D , NAM, POS, SIZ TYP, XXX . DIR
/V
-

```

4.4.

4.4.1.

"/D[:DATA]".

26 1979 :

LP:=/D:26.:JAN:79.

.SYS 2 26-JAN-79 RKX.SYS 2 26-JAN-79
2 FILES, 4 BLOCKS
4560 FREE BLOCKS

4.4.2.

"/F".
).

LP:

RK0:

LP:=RK0:/F

29- -79
.SYS LP .SYS RK .SYS RKX .SYS PIP .SAV
DUP .SAV DIR .SAV SYSLIB.OBJ VTMAC .MAC RKMNFB.SYS
10 FILES,194 BLOCKS
4560 FREE BLOCKS

4.4.3.

"/S[:XXX]".

XXX:

DAT - DIR ;

NAM - DIR (/A) ;

POS - ;

SIZ - ;

TYP - ;

LP:

LP:=/S:TYP

29-MAR-79

VTMAC	.MAC	5	22-FEB-79	LP	.SYS	2	28-JAN-79
SYSLIB	.OBJ	42	22-FEB-79	RK	.SYS	2	26-JAN-79
DIR	.SAV	17	22-FEB-79	RKMNFB	.SYS	97	07-FEB-79
DUP	.SAV	17	22-FEB-79	RKX	.SYS	2	26-JAN-79
PIP	.SAV	16	22-FEB-79	TT	.SYS	2	26-JAN-79

10 FILES, 222 BLOCKS

4560 FREE BLOCKS

4.5.

.2 .5.

5.

(VRF)

5.1.

5.2.

.R VRF

*

*RK0:,RK1:

RK1

CSI.

RK0.

5.3.

VRF

?VRF-F-NOT ENOUGH MEMORY

?VRF-W-VERIFICATION ERROR

?VRF-I-VERIFICATION COMPLETE

6. (SPL)

6.1.

```

SPL
(PC:, LP: . .) ( )
SPL
"OFF-LINE"
SPL " " 15 ,
SPL
.LST "SPL", (
(LP:).
F - ( SPL.REL)
XM- ( SPLX.REL).

```

6.2.

```

SPL, :
1) ;
2) "SPL" ,
( ) ;
3) SPL.
:
.LOAD LP,PC,XX,YY,ZZ ;
;
;
.ASS ZZ SPL ;
; "SPL" ,
; -
; .LST
.FRU SPL ; SPL.REL
; FB-
;
.FRU SPLX ; SPLX.REL
; -
:
?SPL-I-STARTED, SPL & LP DEVICES ARE ASSIGNED & LOADED
SPL <CTRL/F> <CTRL/B>.
<CTRL/F>, SPL.
SPL. .LST
" " , "SPL".
CSI
:
[OUTFIL=]INPFIL
INPFIL
- CSI;
OUTFIL
- CSI.

```

6.3.

```

:
?SPL-F-NO LP-DRIVER
-
LOAD SPL;
?SPL-F-ASSIGN OR LOAD SPL
- "SPL"

```

:
?SPL-W-ILLEGAL : XXXXXXXXXXXX

-
?SPL-I-ACCEPTED : XXXXXXXX XX
SPL :

F>
RK2:FILE.EXT
"FILE.EXT"

F>
PC:=RK0:TEXT.TXT
"TEXT.TXT"

SPL , <CTRL/B>.

7. (LDA)

7.1. LDA

LINK.
(),
LDA,

7.2. LDA

RK:, DX:,
LDA :
RK:, RF:, DX:.

LDA RK0-RK7, RF, DX0-DX1
LDA

7.3. LDA :

.R LDA
*
:
.RUN DEV:LDA

DEV - LDA.
:

7.4. LDA
RK:, RF: DX:, LDA
:
DEV:FILNAM.TYP

DEV - (DK:);

FILNAM.TYP

```

-
,
- .LDA.
:
*PROG
LDA C DK: PROG.LDA, :
*PC:
.
:
RK:, RF: D :, LDA
:
DEVO:WFILE.TYP=DEV:FILNAM.TYP

```

```

DEVO
-
(RK0-RK7, RF, DX0-DX1) ;
WFILE.TYP
- ;
DEV:FILNAM.TYP
-
,
RK0:, DX:,
:
LDA
DX: = :
LDA
ABSLOAD, :
.ABSLOAD DEV:FILNAM.TYP
, LDA
(
.END) .

```

7.5.

.2 .5.