

[.] TRACK 33
CREATED 17.08 1 11 1973

[16.24 2 NOV 1973]

```
VARS DISCDIRS;  
[9 22 33 36 63 94 291]->DISCDIRS;  
CANCEL DLP80;  
VARS DDATE DDATEPR;
```

```
LAMBDA; .APPLY;  
.DDATE<>[NEW]->DISCDIR.HD.TL.TL.TL; .DDMP;  
END(%DDEND%)->DDEND;
```

```
FUNCTION CLEARNEW TRK;  
VARS DDMPFLAG X;  
0 -> DDMPFLAG;  
DISCUSER;DTRACK(TRK)->TRK;  
DISCDIR->X;  
LOOPIF X /= NIL  
  THEN  
    IF LENGTH(HD(X)) > 5 THEN 1->DDMPFLAG;  
    NIL -> TL(TL(TL(TL(TL(HD(X)))))); CLOSE;  
    TL(X) -> X;  
    CLOSE;  
  IF DDMPFLAG THEN DDMP(); CLOSE;  
  DTRACK(TRK);  
END;
```

```
OPERATION 1 DLP80;  
COMPILE(DISCIN(36,12));  
END;
```

```
OPERATION 1 DISCDICT; COMPILE(LIBRARY([DISCDICT])) END;
```

```
LAMBDA;  
VARS DDG1 DDG2 DDF2 DDG3;  
LAMBDA DDG1;  
VARS DDG2 DDG3;  
DDG1.DATALLENGTH->DDG2; 1->DDG3;  
LOOPIF DDG3 =< DDG2  
  THEN SUBSRC(DDG3,DDG1).CHAROUT;1+DDG3->DDG3;CLOSE;  
END ->DDF2; .POPDATE.TL->DDG3;  
DDG3.TL.HD->DDG1;  
  IF DDG3.LENGTH/=3 THEN [0 DDG3 DDG3]->DDG3  
  ELSEIF DDG3.HD.ISINTEGER.NOT THEN 0->DDG3.HD CLOSE;  
  IF DDG1.ISINTEGER THEN DDG1->DDATE; GOTO L3 CLOSE;  
  IF DDG1.ISWORD.NOT OR DDG1.DATALLENGTH<3 THEN GOTO L2 CLOSE;  
  CHARWORD(DDG1,1)*10000+CHARWORD(DDG1,2)*100+CHARWORD(DDG1,3)->DDG1;  
  [[423346 1][383734 2][453350 3][334850 4] [453357 5] [425346 6]  
  [425344 7][335339 8][513748 9][473552 10][464754 11][363735 12]]  
  ->DDG2;  
L: IF DDG1=DDG2.HD.HD THEN DDG2.HD.TL.HD->DDATE;GOTO L4 CLOSE;  
  DDG2.TL->DDG2; IF DDG2.NULL THEN ELSE GOTO L CLOSE;  
L2:'  
TYPE MONTH NUMBER \.DDF2; CHARIN.INCHARITEM.APPLY->DDATE;
```

```
L3:IF DDATE.ISINTEGER AND DDATE>0 AND DDATE<13 THEN ELSE GOTO L2 CLOSE;
L4:DDATE->DDG1; DDG3.TL.TL.HD->DDG2;
IF DDG2.ISINTEGER THEN ELSE LL:'
TYPE YEAR NUMBER \.DDF2; CHARIN.INCHARITEM,APPLY->DDG2;
IF DDG2.ISINTEGER THEN ELSE GOTO LL CLOSE CLOSE;
  [% (DDG3.HD//32).ERASE*10000 +DDG1*100 +(DDG2//100).ERASE%]
->DDATE;
END.APPLY;
```

```
LAMBDA; VARS DDG1;.POPDATE->DDG1; ->DDG1.TL;DDG1;END(%DDATE%)->DDATE;
```

```
FUNCTION DDATEPR DDG1; IF DDG1.LENGTH>1 THEN
  DDG1.DEST->DDG1; 3,2.PRREAL;
  HD(DDG1)//100//100,4,0.PRREAL;2,0.PRREAL;1900+,.PR;
  IF DDG1.TL/=NIL THEN 3.SP;DDG1.TL.HD.PR;CLOSE;
  ELSE DDG1.PR CLOSE;
END;
```

```
VARS EDSETPOP;
VARS MACRO ED;
LAMBDA;
IF IDENTPROPS("PEDITFROM")=UNDEF THEN
LAMBDA;
VARS X1;
DISCUSER->X1;
DTRACK(77);
ERASE->CUCHAROUT;
COMPILE(DISC([EDIT]));
DTRACK(X1);
EDSETPOP();
END->NONMAC ED;
CLOSE END.APPLY;
```

```
OPERATION 2 FILEFT;
COMPILE(DISCIN(36,10));
END;
```

```
CANCEL +;
```

```
OPERATION 2 + TRK;
DTRACK(TRK);
END;
```

```
LAMBDA;
IF STACKLEN() THEN IF THEN DTRACK(22);DCOMP([/]); CLOSE;EXIT;
NL(1);
PRSTRING('[/] Y/N');
IF CHARIN() = 57 THEN DTRACK(22);DCOMP([/]);
  CLOSE;
END.APPLY;
```

[PROGRAM TO DUMP / THEOREM PROVER] TRACK 33
[16.24 2 NOV 1973]
CREATED 15.49 18 10 1973

[[/ PROPS] [PPR] [/ GEN] [/ GENSYM] [/ INPUT] [/ TYPE] [/ EVAL] [/ IDENT]]->SLASH9;
H9;

[[/ REWRITE] [/ REDUCE] [/ FERTILIZ] [/ GENRLIZE] [/ IND1] [/ IND2] [/ PROVE] [/
DEFS] [/ SAVE]]->SLASH22;
FUNCTION DOIT DDF2 LIST TRK;
VARS CUCHAROUT; DDF2->CUCHAROUT;
DTRACK(TRK);APPLIST(LIST,
LAMBDA X1;
DIN(X1)->Y1;
NL(80);

LOOPIF(Y1()->Z1; Z1/=TERMIN) THEN CUCHAROUT(Z1);CLOSE;
END;
);
CUCHAROUT(TERMIN);
END;

DOIT(POPMESS([PTOUT TAPE1 OF THE BOYER - MOORE THEOREM PROVER]),SLASH9,9);
DOIT(POPMESS([PTOUT TAPE2 OF THE BOYER - MOORE THEOREM PROVER]),SLASH22,22);
DOIT(POPMESS([LP80 TAPE1 OF THE BOYER - MOORE THEOREM PROVER]),SLASH9,9);
DOIT(POPMESS([LP80 TAPE2 OF THE BOYER - MOORE THEOREM PROVER]),SLASH22,22);

[FOO] TRACK 33
CREATED 15.46 18 10 1973

[16.24 2 NOV 1973]

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[CALL DICTS] TRACK 33
CREATED 19.01 16 2 1973

[16.24 2 NOV 1973]

```
VARs X1 X2 X3;  
[9 22 33 36 63 77 94 291]->X1;  
[9 22 33 36 63 94 291]->X2;  
ERASE->CUCHAROUT;  
APPLIST(X2,LAMBDA X2;DTRACK(X2);DTIDY();END);  
POPMESS([LP80 DISC DICTS])->DDF2;  
DDF2->CUCHAROUT;  
APPLIST(X1,LAMBDA X1;DTRACK(X1);CUCHAROUT(64);DISCDICT();END);  
CUCHAROUT(TERMIN);  
CHAROUT->CUCHAROUT;
```