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```
0  'MNTHSPLL - Monthly doctor bill spooling - THOR
7  PG$="MNTHSPLL"
10  UNLOAD:MOUNT:CLEARI:CLEAR4000 'MNTHSPLL
11  DEF FNP$(CD$,N,OF)=STR$(ASC(MID$(CD$,N,1))-OF)
12  'FNP$(CD$,N,OF) Returns the the ascii of the substr N  +
    of CD$ - OF
13  DEF FND(CD$)=VAL(FNP$(CD$,1,64)+FNP$(CD$,2,64)+MID$(CD +
    $,3,1))
14  'FND(CD$) Return the doctor record number of CD$
15  DEF FNC(CD$)=VAL(FNP$(CD$,1,47)+FNP$(CD$,2,47))
16  'FNC(CD$) Returns the charge record of CD$
17  DEF FNN$(A)=MID$(STR$(A),2)
18  'FNN$(A) Returns the number string with the leading ch +
    ar peeled off
19  DEF FNF(A)=A-INT(A)
20  'FNF(A) Returns the fraction part of the number
21  DEF FND$(A)=FNN$(INT(A))+"."+RIGHT$("00"+FNN$(INT(FNF( +
    A)*100+.5)),2)
22  'FND$(A) Returns the number in string in form NNN.NN
23  DEF FNC$(A$)=FND$(VAL(A$))
24  'FNC$(A$) Performs the conversion on a string
30  DIM DC$(30,4),DC(30)
32  PRINT CHR$(27)+"*"
35  PRINT "*** START MONTHLY BILLING DOCTOR DISTRIBUTION ***
40  CLOSE:OPEN "R",1,"*ALPHA*",2:FIELD1,20ASS1$,8ASS2$,8AS +
    S3$,4ASS4$,6ASS5$,2ASS6$
42  OPEN "O",2,"*ALRND*",2:ID=INT(RND(1)*10000):PRINT #2,I +
    D:CLOSE2
50  EN=LOF(1)
55  OL$=""
60  FOR RC=1 TO EN
70  GET 1,RC
71  TG=1+(EN-RC)
73  TM$=FNN$(TG)
80  DD$=LEFT$(S4$,3):GOSUB2000
85  IF VAL(BL$)<>1 THEN PRINT " ";S1$,S2$,"Not billed";CHR +
    $(13);:GOTO 1000
90  PRINT " ";S1$,S2$,DD$,DR$;"   ";TM$
100  FD$="*AL-"+DR$+"*"
101  IF FD$=OL$ THEN 130
105  PRINT "    Opening file: "FD$;CHR$(13);
110  CLOSE3:OPEN"R",3,FD$,2
120  FIELD3,20ASX1$,8ASX2$,8ASX3$,4ASX4$,6ASX5$,2ASX6$
130  DV=FND(DR$):GET 3,1:IF VAL(X1$)<>ID+DV THEN LSET X1$= +
    STR$(ID+DV):LSET X2$=STR$(2):PUT3,1:PRINT "    Initializ +
    ing file "FD$"         ";CHR$(13);
135  SR=VAL(X2$)
140  LSETX1$=S1$:LSETX2$=S2$:LSETX3$=S3$:LSETX4$=S4$:LSETX +
    5$=S5$:LSETX6$=S6$
150  PUT3,SR:OL$=FD$:GET 3,1:LSET X2$=STR$(SR+1):PUT3,1
1000  NEXT RC
1010  CLOSE:RUN "*BILLS",1
2000  'Code in DD$ return refered in DR$ billed in BL$
```

```
2010 LW=1:LF=-1
2020 FOR CL=1 TO 30
2030 IF DC(CL)<DC(LW) THEN LW=CL
2035 IF DC(CL)=0 THEN LW=CL:GOTO 2060
2040 IF DC$(CL,1)=DD$ THEN LF=CL:GOTO 2060
2050 NEXT CL
2060 IF LF<>-1 THEN BL$=DC$(LF,3):DR$=DC$(LF,2):DC(LF)=DC +
    (LF)+1:MM=INT(RND(1)*30)+1:DC(MM)=INT((DC(MM)/2)+.5):RETURN
2070 CLOSE7:OPEN"R",7,"<DOC-CD>",1
2080 FIELD7,8ASMA$,24ASMB$,20ASMC$,20ASMD$,14ASME$,2ASMF$ +
    ,2ASMG$,2ASMH$,8ASMI$
2081 GET7,FND(DD$)
2082 PRINT "    Adding doctor "DD$" - "MB$"              " +
    ;CHR$(13);
2090 LF=LW:DC$(LF,1)=LEFT$(DD$,3):DC$(LF,2)=LEFT$(MI$,3): +
    DC$(LF,3)=MH$:CLOSE7:DC(LW)=1:GOTO2060
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*** END MNTHSPLL,1(540) - MNTHSPLL - Monthly doctor bill spooling - THOR END ***

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