

```
1Ø→dim(LTS)
Lb1 T
ClrHome
Disp "COLLATE2","VERSION 2.2","DISCRETE DATA"
Disp "COPYRIGHT 2Ø13","ROGER PALAY"
Input "Enter LIst:",L LINP
SortA(L LINP)
dim(L LINP)→A
If A=Ø
Then
Disp "NuLL LIst"
Goto T
End
1→dim(L ITEM)
1→dim(L ICNT)
1→I
L LINP(I)→P
abs(P)→S
Ø→D
Ø→C
Lb1 12
If S-int(S)=Ø
Goto 2Ø
C+1→C
S*1Ø→S
Goto 12
Lb1 2Ø
If C>D
C→D
P→L ITEM(1)
1→L ICNT(1)
1→N
Lb1 U
I+1→I
If I>A
Goto B
If P=L LINP(I)
Then
L ICNT(N)+1→L ICNT(N)
Else
N+1→N
N→dim(L ITEM)
N→dim(L ICNT)
L LINP(I)→P
Ø→C
abs(P)→S
Lb1 3Ø
If S-int(S)=Ø
Goto 35
C+1→C
S*1Ø→S
Goto 3Ø
Lb1 35
If C>D
C→D
P→L ITEM(N)
1→L ICNT(N)
End
```

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Goto U
Lb1 B
N→dim(LRFREQ)
N→dim(LCMCNT)
N→dim(LCRFRQ)
N→dim(LDPIE)
L ICNT/A→LRFREQ
cumSum(L ICNT)→LCMCNT
cumSum(LRFREQ)→LCRFRQ
round(LRFREQ*360,0)→LDPIE
A→LTS(1)
0→LTS(2)
prgmTOSTR2
"NUM READ= "+Str9→Str9
Disp Str9
N→LTS(1)
0→LTS(2)
prgmTOSTR2
"NUM FOUND= "+Str9→Str9
Disp Str9
SetUpEditor LITEM, L ICNT, LRFREQ, LCMCNT, LCRFRQ, LDPIE, L LINP
1-Var Stats LITEM, L ICNT
x̄→LTS(1)
4→LTS(2)
Lb1 40
Disp "SEE STATISTICS"
Input "(0=NO 1=YES) ", Q
If Q=0
Goto 50
If Q≠1
Goto 40
prgmTOSTR2
"MEAN= "+Str9→Str9
Disp Str9
Sx→LTS(1)
prgmTOSTR2
"Sx= "+Str9→Str9
Disp Str9
σx→LTS(1)
prgmTOSTR2
"σx= "+Str9→Str9
Pause Str9
minX→LTS(1)
2→LTS(2)
prgmTOSTR2
"minX= "+Str9→Str9
Disp Str9
Q1→LTS(1)
prgmTOSTR2
" Q1= "+Str9→Str9
Disp Str9
Med→LTS(1)
prgmTOSTR2
" Med= "+Str9→Str9
Disp Str9
Q3→LTS(1)
prgmTOSTR2
" Q3= "+Str9→Str9

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Disp Str9
maxX→LTS(1)
prgmTOSTR2
"maxX= "+Str9→Str9
Disp Str9
Lb1 50
SortD(LICNT,LITEM)
LITEM(1)→LTS(1)
D→LTS(2)
prgmTOSTR2
Str9→Str1
LICNT(1)→J
2→K
Lb1 10
If LICNT(K)=J
Then
LITEM(K)→LTS(1)
prgmTOSTR2
Str9+", "+Str1→Str1
K+1→K
If K≤N
Goto 10
End
SortA(LITEM,LICNT)
"Mode= "+Str1→Str1
Pause Str1
Stop
```