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1: 1Ø→dim(␣TS)
2: Lb1 T
3: ClrHome
4: Disp "COLLATE3","VERSION 1","CONTINUOUS DATA"
5: Disp "COPYRIGHT 2Ø12","ROGER PALAY"
6: Input "Enter LIst:",␣LINP
7: SortA(␣LINP)
8: dim(␣LINP)→A
9: If A=Ø
1Ø: Then
11: Disp "NuLL LIst"
12: Goto T
13: End
14: ␣LINP(1)→L
15: ␣LINP(A)→H
16: H-L→R
17: R/8→W
18: L-W/2→F
19: Disp "LOW VALUE=",L
2Ø: Disp "HIGH VALUE=",H
21: Disp "SUGGESTED START=",F
22: Input "REAL START=",F
23: Disp "SUGGESTED WIDTH=",W
24: Input "REAL WIDTH=",W
25: int((H-F)/W)+1→N
26: Disp "NUMBER COLUMNS=",N
27: Disp "START PROCESSING:"
28: N+1→dim(␣LOW)
29: N→dim(␣ICNT)
3Ø: F→␣LOW(1)
31: For(I,1,N)
32: F+I*W→␣LOW(I+1)
33: Ø→␣ICNT(I)
34: End
35: For(I,1,A)
36: int((␣LINP(I)-F)/W)+1→X
37: ␣ICNT(X)+1→␣ICNT(X)
38: End
39: N→dim(␣RFREQ)
4Ø: N→dim(␣CMCNT)
41: N→dim(␣CRFRQ)
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42: N→dim(LDPIE)
43: LICNT/A→LRFREQ
44: cumSum(LICNT)→LCMCNT
45: cumSum(LRFREQ)→LCRFRQ
46: round(LRFREQ*360,0)→LDPIE
47: A→LTS(1)
48: 0→LTS(2)
49: prgmTOSTR2
50: "NUM READ= "+Str9→Str9
51: Disp Str9
52: N→LTS(1)
53: 0→LTS(2)
54: prgmTOSTR2
55: "NUM FOUND= "+Str9→Str9
56: Disp Str9
57: SetUpEditorLOW,LICNT,LRFREQ,LCMCNT,LCRFRQ,LDPIE,LINP
58: 1-Var Stats LINP
59:  $\bar{x}$ →LTS(1)
60: 4→LTS(2)
61: prgmTOSTR2
62: "MEAN= "+Str9→Str9
63: Disp Str9
64:  $S_x$ →LTS(1)
65: prgmTOSTR2
66: " $S_x$ = "+Str9→Str9
67: Disp Str9
68:  $\sigma_x$ →LTS(1)
69: prgmTOSTR2
70: " $\sigma_x$ = "+Str9→Str9
71: Pause Str9
72: minX→LTS(1)
73: 2→LTS(2)
74: prgmTOSTR2
75: "minX= "+Str9→Str9
76: Disp Str9
77: Q →LTS(1)
78: prgmTOSTR2
79: " Q = "+Str9→Str9
80: Disp Str9
81: Med→LTS(1)
82: prgmTOSTR2
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83: " Med= "+Str9→Str9
84: Disp Str9
85: Q3→LTS(1)
86: prgmTOSTR2
87: " Q3= "+Str9→Str9
88: Disp Str9
89: maxX→LTS(1)
90: prgmTOSTR2
91: "maxX= "+Str9→Str9
92: Disp Str9
93: Stop
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