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1: "GRPAPPX TO APPROXIMATE MEAN AND SD FROM GROUP DATA
2: ClrHome
3: Disp "GRPAPPX"
4: Disp "COPYRIGHT 2012","ROGER PALAY"
5: Disp "NUMBER OF "
6: Input "CLASSES: ",N
7: Disp "LOWER LIMIT OF"
8: Input "FIRST CLASS: ",S
9: Disp "WIDTH OF "
10: Input "CLASSES: ",B
11: B/2→H
12: N+1→dim(LLOW)
13: N→dim(LMDPT)
14: N→dim(LFREQ)
15: N→dim(LMTF)
16: N→dim(LMMM)
17: N→dim(LMMM2)
18: N→dim(LMMM2F)
19: For(I,1,N)
20: S+(I-1)*B→LLOW(I)
21: LLOW(I)+H→LMDPT(I)
22: I→Z
23: prgmTOSTR
24: "CLASS "+Str9+" SIZE:"→Str6
25: Input Str6,X
26: X→LFREQ(I)
27: LMDPT(I)*LFREQ(I)→LMTF(I)
28: End
29: S+(N*W)→LLOW(N+1)
30: sum(LFREQ)→F
31: sum(LMTF)→T
32: Disp "TOTAL NUM ITEMS",F
33: Disp "TOTAL MIDPOINT","TIMES FREQ",T
34: T/F→M
35: Disp "APPROX. MEAN:"
36: Pause M
37: SetUpEditorLLOW,LMDPT,LFREQ,LMTF,LMMM,LMMM2,MMM2F
38: For(I,1,N)
39: LMDPT(I)-M→LMMM(I)
40: LMMM(I)2→LMMM2(I)
41: LMMM2(I)*LFREQ(I)→LMMM2F(I)
42: End
43: sum(LMMM2F)→C
44: C/F→V
45: C/(F-1)→D
46: Disp "POPULATION:","VARIANCE:",V,"STNDRD DEVIATION"
47: Pause √(V)
48: Disp "SAMPLE","VARIANCE:",D,"STNDRD DEVIATION"
49: Disp √(D)
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50: Stop