

```
1: ClrHome
2: Disp "STEM CUT POINT","COPYRIGHT 2012","ROGER PALAY"
3: Input "DATA LIST:",LITEM
4: dim(LITEM)→A
5: SortA(LITEM)
6: Disp "LOW VALUE:",LITEM(1)
7: If LITEM(1)<0
8: Then
9: Disp "DOES NOT WORK ON","NEGATIVE VALUES"
10: Stop
11: End
12: Disp "HIGH VALUE:",LITEM(A)
13: Disp "NUM VALUE:"
14: Pause A
15: Lbl 5
16: Disp "PUT CUT-POINT","BETWEEN LETTERS","IN:  ABCDE.FGHIJ",
    "CP BETWEEN THE 2"
17: Input "LETTERS: ",Str7
18: If length(Str7)≠2
19: Goto 5
20: inString("ABCDEFGHIJ",Str7)→B
21: If B=0
22: Goto 5
23: B-4→B
24: If B>0
25: Disp "MULTIPLYING","LIST BY",10^B
26: If B<0
27: Disp "DIVIDING","LIST B",10^(-B)
28: If B=0
29: Disp "LEAVING LIST","AS IS"
30: round(LITEM*10^B,0)→LITEM
31: LITEM(1)→I
32: iPart(I/10)→S
33: S→Z
34: prgmTOSTR
35: ClrHome
36: Str9+": "→Str1
37: I-S*10→D
38: Str1+sub(Str8,D+1,1)→Str1
39: 2→J
40: Lbl 10
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41:  LITEM(J)→I
42:  iPart(I/10)→K
43:  If K≠S
44:  Then
45:  Lbl 20
46:  length(Str1)→L
47:  If L>15
48:  Then
49:  Disp sub(Str1,1,15)
50:  "    "+sub(Str1,16,L-15)→Str1
51:  Goto 20
52:  End
53:  Pause Str1
54:  K→Z
55:  K→S
56:  prgmTOSTR
57:  Str9+": "→Str1
58:  End
59:  I-S*10→D
60:  Str1+sub(Str8,D+1,1)→Str1
61:  J+1→J
62:  If J≤A
63:  Goto 10
64:  Lbl 30
65:  length(Str1)→L
66:  If L>15
67:  Then
68:  Disp sub(Str1,1,15)
69:  "    "+sub(Str1,16,L-15)→Str1
70:  Goto 30
71:  End
72:  Pause Str1
73:  Disp "COMPLETED"
74:  Stop
```