

```
1: ()
2: Prgm
3: Local Q,A,B,C,D,E,F,G,P,U
4: 10→U
5: Disp "Truncated Triangular Room"
6: Disp "Diagnostic Output","1=Yes other=No"
7: Input Q
8: Disp "Upper corner #1"
9: Input "X=",A
10: Input "Z=",D
11: Disp "Upper corner #2"
12: Input "Y=",B
13: Input "Z=",E
14: 0→F
15: 0→G
16: 1→P
17: newList(U+1)→L1
18: newList(U+1)→L2
19: newList(U+1)→L3
20: newList(U+1)→L4
21: Lbl 1bl10
22: 0→M
23: 0→W
24: Disp "Start Pass",P
25: If Q=1 Then
26: Disp "Look From ",A,F,D
27: Pause "To"
28: Disp G,B,E
29: Pause "Continue..."
30: EndIf
31: For i,1,U+1
32: I-1→J
33: A+(G-A)/U*J→X
34: F+(B-F)/U*J→Y
35: D+(E-D)/U*J→Z
36: X*Y*Z→V
37: X→L1[I]
38: Y→L2[I]
39: Z→L3[I]
40: V→L4[I]
41: If V>M Then
42: V→M
```

```
43: I→W
44: If Q=1 Then
45: Disp "New Max Found",I,X,Y,Z,V
46: Pause W
47: EndIf
48: EndIf
49: EndFor
50: Disp "Max found at",W
51: Disp "X=",L1[W]
52: Disp "Y="
53: Pause L2[W]
54: Disp "Z=",L3[W]
55: Disp "Volume=",L4[W]
56: Pause L4
57: 1→R
58: 1→S
59: If W=1 Then
60: Ø→R
61: EndIf
62: If W=U+1 Then
63: Ø→S
64: EndIf
65: L1[W-R]→A
66: L2[W-R]→F
67: L2[W+S]→B
68: L1[W+S]→G
69: L3[W-R]→D
70: L3[W+S]→E
71: P+1→P
72: Goto 1b11Ø
73: EndPrgm
```