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1: ClrHome
2: Disp "MARGTOT", "VERSION 1"
3: Disp "COPYRIGHT 2013", "ROGER PALAY"
4: "TAKES A MATRIX AND GETS ROW AND COLUMN TOTALS, PERCENTS, EXPECTED VALUES
5: "ALWAYS WORKS WITH MATRI I AND J
6: Input "OBSERVED MATRIX:", [I]
7: dim([I])→LD
8: LD(1)→R
9: LD(2)→C
10: R+1→A
11: C+1→B
12: R+2→D
13: C+2→E
14: {R+2,C+2}→dim([J])
15: Fill(0,[J])
16: 0→G
17: For(I,1,R)
18: 0→S
19: For(J,1,C)
20: [I](I,J)→V
21: V+S→S
22: V+G→G
23: V+[J](A,J)→[J](A,J)
24: End
25: S→[J](I,B)
26: End
27: G→[J](A,B)
28: For(I,1,C)
29: [J](A,I)/G→[J](D,I)
30: End
31: For(J,1,R)
32: [J](J,B)/G→[J](J,E)
33: End
34: 0→Y
35: For(I,1,C)
36: [J](D,I)→T
37: For(J,1,R)
38: G*T*[J](J,E)→X
39: X→[J](J,I)
40: Y+([I](J,I)-X)2/X→Y
41: End
42: End
43: Pause [J]
44: Disp "CHI-SQUARED=",Y
45: Stop

```