

Console

n	x1 f(x2)		f(x1) x3		x2 f(x3)	
0	1.000000	-0.540302	1.500000	0.105354	1.418413	0.000009
1	1.000000	-0.540302	1.418413	0.000009	1.418406	-0.000000
2	1.418406	-0.000000	1.418413	0.000009	1.418406	0.000000

Thus the root is 1.4184 correct upto four places of decimal