

Console

n	x1 f(x2)		f(x1) x3		x2 f(x3)	
0	2.000000	-9.000000	3.000000	5.000000	2.642857	-1.754738
1	2.642857	-1.754738	3.000000	5.000000	2.735635	-0.205502
2	2.735635	-0.205502	3.000000	5.000000	2.746072	-0.022478
3	2.746072	-0.022478	3.000000	5.000000	2.747208	-0.002440

Thus the root is 2.747 correct upto three places of decimal