

Iteration	$x_n$	$x_{n+1}$	$x_{n+1} - x_n$	$f(x)$
0	-1	-0.59762	0.402376229	-0.17357
1	-0.59762	-0.31592	0.281699298	-0.05956
2	-0.31592	-0.1994	0.116525903	-0.00422
3	-0.1994	-0.18351	0.015884323	-1.07E-05
4	-0.18351	-0.18326	0.000257719	-4.56E-11
5	-0.18326	-0.18326	-3.36E-08	-5.55E-17
6	-0.18326			-1.67E-16