

iteration (n)	a _n	a _{n+1}	f(a)
0	0.1	2	1.999983333
1	2	1.581117381	-0.565625835
2	1.581117381	1.846097084	1.999983333
3	1.846097084	1.882453695	-0.565625835
4	1.882453695	1.874945907	0.973856569
5	1.874945907	1.875103218	0.117497038
6	1.875103218	1.875104069	-0.030578125
	1.875104069		0.00065442

$a_{n+1} - a_n$
1.9
-0.418882619
0.264979703
0.036356611
-0.007507788
0.000157312
8.50E-07

interval
.1-2