

iteration (n)	a _n	a _{n+1}	f(a)	a _{n+1} - a _n
0	7	8	414.3774489	1
1	8	7.657489196	-215.8647684	-0.342510804
2	7.657489196	7.82540077	414.3774489	0.167911574
3	7.82540077	7.861542914	-215.8647684	0.036142144
4	7.861542914	7.854555381	207.5965224	-0.006987534
5	7.854555381	7.854756074	36.76964842	0.000200694
6	7.854756074	7.854757439	-8.812642506	1.36E-06
7	7.854757439		0.260598719	