

Console

n	xn Xn+1	f(xn) Error	f1(xn)
0	6.0000000000 5.2424242424	25.0000000000 0.7575757576	33.0000000000
1	5.2424242424 5.0180746583	4.7305005983 0.2243495842	21.0853994490
2	5.0180746583 5.0001082436	0.3273099132 0.0179664146	18.2178759790
3	5.0001082436 5.0000000039	0.0019484560 0.0001082397	18.0012989589
4	5.0000000039 5.0000000000	0.0000000703 0.0000000039	18.0000000469
5	5.0000000000 5.0000000000	0.0000000000 0.0000000000	18.0000000000
6	5.0000000000 5.0000000000	-0.0000000000 0.0000000000	18.0000000000
7	5.0000000000 5.0000000000	-0.0000000000 0.0000000000	18.0000000000
8	5.0000000000 5.0000000000	0.0000000000 0.0000000000	18.0000000000
9	5.0000000000 5.0000000000	0.0000000000 0.0000000000	18.0000000000

Therefore, Market Price at equilibrium = Rs. 5