Console

| n | xn Xn+1 | f(xn) Error | f1(xn) |
|----|--------------------------------|------------------------------|---------------|
| 0 | 2.0000000000 4.0000000000 | 0.2706705665 2.0000000000 | -0.1353352832 |
| 1 | 4.000000000 5.33333333333 | 0.0732625556 1.3333333333 | -0.0549469167 |
| 2 | 5.333333333 6.5641025641 | 0.0257490666 1.2307692308 | -0.0209211166 |
| 3 | 6.5641025641 7.7438260664 | 0.0092559678 1.1797235023 | -0.0078458790 |
| 4 | 7.7438260664 8.8921098433 | 0.0033562528 1.1482837769 | -0.0029228426 |
| 5 | 8.8921098433 10.0188186728 | 0.0012223922 1.1267088294 | -0.0010849229 |
| 6 | 10.0188186728 11.1296979394 | 0.0004463740 1.1108792666 | -0.0004018204 |
| 7 | 11.1296979394 12.2284175661 | 0.0001632740 1.0987196268 | -0.0001486039 |
| 8 | 12.2284175661 13.3174773107 | 0.0000597910 1.0890597445 | -0.0000549015 |
| 9 | 13.3174773107 14.3986627657 | 0.0000219137 1.0811854550 | -0.0000202682 |
| 10 | 14.3986627657 15.4732970794 | 0.0000080364 1.0746343137 | -0.0000074783 |

Therefore, this is not convergent (i.e.) divergent