

Console

Matrix A=

```
3.  1.  1.5
- 1.25 - 0.25 - 0.75
- 0.25 - 0.25 - 0.25
```

Assumed Matrix B=

```
1.  1.  3.5
1.  3. - 3.
- 2. - 3. - 4.
```

Iteration 1

Matrix C=

```
1.  1.125  3.0625
1.  3.    - 3.
- 2. - 3.25 - 3.375
```

Matrix E=

```
0.  1.5    1.125
0. - 0.71875 - 0.546875
0. - 0.21875 - 0.171875
```

Inverse of Matrix A after 1 iterations=

```
1.  1.125  3.0625
1.  3.    - 3.
- 2. - 3.25 - 3.375
```

Iteration 2

Matrix C=

```
1.  1.1035156  3.0791016
1.  3.          - 3.
- 2. - 3.3242188 - 3.4824219
```

Matrix E=

```
0.  1.3242188  1.0136719
```

0. - 0.6362305 - 0.4870605  
0. - 0.1948242 - 0.1491699

Inverse of Matrix A after 2 iterations=

1. 1.1035156 3.0791016  
1. 3. - 3.  
- 2. - 3.3242188 - 3.4824219

Iteration 3

Matrix C=

1. 1.0812707 3.062218  
1. 3. - 3.  
- 2. - 3.4692106 - 3.5936465

Matrix E=

0. 1.0399961 0.7961841  
0. - 0.4996804 - 0.3825375  
0. - 0.1530150 - 0.1171429

Inverse of Matrix A after 3 iterations=

1. 1.0812707 3.062218  
1. 3. - 3.  
- 2. - 3.4692106 - 3.5936465

Iteration 4

Matrix C=

1. 1.0501297 3.0383775  
1. 3. - 3.  
- 2. - 3.6725968 - 3.7493517

Matrix E=

0. 0.6414938 0.4911048  
0. - 0.3082145 - 0.2359581  
0. - 0.0943832 - 0.0722564

Inverse of Matrix A after 4 iterations=

1. 1.0501297 3.0383775  
1. 3. - 3.  
- 2. - 3.6725968 - 3.7493517

Iteration 5

Matrix C=

1. 1.0190729 3.0146015  
1. 3. - 3.  
- 2. - 3.8754326 - 3.9046356

Matrix E=

0. 0.2440697 0.1868511  
0. - 0.1172667 - 0.0897752  
0. - 0.0359101 - 0.0274915

Inverse of Matrix A after 5 iterations=

1. 1.0190729 3.0146015  
1. 3. - 3.  
- 2. - 3.8754326 - 3.9046356

Iteration 6

Matrix C=

1. 1.002761 3.0021137  
1. 3. - 3.  
- 2. - 3.9819679 - 3.9861952

Matrix E=

0. 0.0353311 0.0270482  
0. - 0.0169753 - 0.0129957  
0. - 0.0051983 - 0.0039796

Inverse of Matrix A after 6 iterations=

1. 1.002761 3.0021137  
1. 3. - 3.  
- 2. - 3.9819679 - 3.9861952