

Console

A =

```
1.  1.  0.5
1.  1.  0.25
0.5 0.25 2.
```

B =

```
2.  2.  2.
2.  5.  5.
2.  5.  11.
```

Diagonalized Matrix B =

```
14.430897  0  0
0  2.6151991  0
0  0  0.9539034
```

Eigenvectors of B are :

0.25489	-0.95670	8.20181
0.58423	-1.29428	-5.28995
1.00000	1.00000	1.00000

Eigenvectors of A =

```
1.6255522 - 0.1319435  1.5980034
- 0.1319435  1.0926142 - 0.3476253
1.5980034 - 0.3476253  1.4578023
```

Note : Computation Error in book in calculation of eigenvector of B thus for A