

Console

A=

```
4. 2. 1.  
2. 5. -2.  
1. -2. 7.
```

Iteration 1

C=

```
0.8944272 0.4472136 0.  
-0.4472136 0.8944272 0.  
0. 0. 1.
```

R=

```
4.472136 4.0249224 0.  
0. 3.5777088 -2.236068  
1. -2. 7.
```

Q=

```
0.8944272 -0.4472136 0.  
0.4472136 0.8944272 0.  
0. 0. 1.
```

Iteration 2

C=

```
0.9701425 0. 0.2425356  
0. 1. 0.  
-0.2425356 0. 0.9701425
```

R=

```
4.5811448 3.419677 1.6977494  
0. 3.5777088 -2.236068  
-0.1145098 -2.9164721 6.7909975
```

Q=

```
0.8677218 -0.4472136 -0.2169305  
0.4338609 0.8944272 -0.1084652  
0.2425356 0. 0.9701425
```

Iteration 3

C=

1.	0.	0.
0.	0.9284767	- 0.3713907
0.	0.3713907	0.9284767

R=

4.5811448	3.419677	1.6977494
0.0425279	4.4049697	- 4.5982502
- 0.1063197	- 1.3791487	5.4748281

Q=

0.8677218	- 0.3346614	- 0.3675058
0.4338609	0.8707378	0.2314745
0.2425356	- 0.3603019	0.9007547

Q*R=A=

4.	2.	1.
2.	5.	- 2.
1.	- 2.	7.