

```
A = [1 0; 0 1; 1 2];
```

```
[V, R] = house(A);
```

```
R
```

```
Q = formQ(V);
```

```
Q
```

V =

0.9239	0
0	0.8881
0.3827	0.4597

R =

-1.4142	-1.4142
0	-1.7321
0.0000	0

Q =

-0.7071	0.5774	-0.4082
0	-0.5774	-0.8165
-0.7071	-0.5774	0.4082