

```
>> A = rand(5)
```

```
A =
```

0.9725	0.7272	0.1193	0.1973	0.9633
0.2860	0.4008	0.9785	0.8629	0.2696
0.5990	0.3106	0.5183	0.2679	0.2657
0.8522	0.6538	0.5078	0.5387	0.3100
0.2448	0.3918	0.3250	0.5515	0.5573

```
>> HouseToHessen(A)
```

```
ans =
```

0.9725	-0.6170	0.9446	-0.4602	0.1583
-1.1076	1.5834	-0.5296	-0.0991	-0.2880
0	-1.1230	0.0181	-0.0271	0.1702
0	-0.0000	-0.2786	0.2760	0.1631
-0.0000	0.0000	0.0000	-0.1321	0.1376

```
>> hess(A)
```

```
ans =
```

0.9725	-0.6170	0.9446	-0.4602	0.1583
-1.1076	1.5834	-0.5296	-0.0991	-0.2880
0	-1.1230	0.0181	-0.0271	0.1702
0	0	-0.2786	0.2760	0.1631
0	0	0	-0.1321	0.1376

```
>>
```