

Continuous-time transfer function.

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```
clear %q3b
A=[0 1;-4 -5]
b=[0;1]
M=[1 1;-1 -4]
lamda=-1
row=10*lamda;
v1tran=[1 0]*inv(M);
beta1=v1tran*b;
alpha=(row-lamda)/beta1;
ft=alpha*v1tran;
chk=A+b*ft;
Eigen_values=eig(chk)
```

A =

```
0 1
-4 -5
```

b =

```
0
1
```

M =

```
1 1
-1 -4
```

lamda =

```
-1
```

Eigen_values =

```
-4
-10
```

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