```
>> n1 = [1 1]

n1 =

     1     1

>> d1 = [1 8]

d1 =

     1     8

>> g1 = tf(n1, d1)

g1 =

  s + 1
  -----
  s + 8

Continuous-time transfer function.

>> n2 = [1]

n2 =

     1

>> d2 = [100 0 0]

d2 =

   100     0     0

>> g2 = tf(n2, d2)

g2 =

     1
  -------
  100 s^2

Continuous-time transfer function.

>> g3 = series(g1, g2)

g3 =

        s + 1
```

```
  -----------------
  100 s^3 + 800 s^2

Continuous-time transfer function.

>> g4 = parallel(g1, g2)

g4 =

  100 s^3 + 100 s^2 + s + 8
  -------------------------
      100 s^3 + 800 s^2

Continuous-time transfer function.

>> g5 = feedback(g1, g2)

g5 =

      100 s^3 + 100 s^2
  -------------------------
  100 s^3 + 800 s^2 + s + 1

Continuous-time transfer function.

>> [p,z] = pzmap(g3)

p =

     0
     0
    -8


z =

    -1

>> pzmap(g3)
>> [p,z] = pzmap(g4)

p =

     0
     0
    -8


z =
```

```
  -1.0616 + 0.0000i
   0.0308 + 0.2728i
   0.0308 - 0.2728i

>> pzmap(g4)
>> [p,z] = pzmap(g5)

p =

  -7.9989 + 0.0000i
  -0.0005 + 0.0354i
  -0.0005 - 0.0354i


z =

     0
     0
    -1

>> pzmap(g5)
>>
```