15.43   Find Z in the circuit of Figure P15.43.
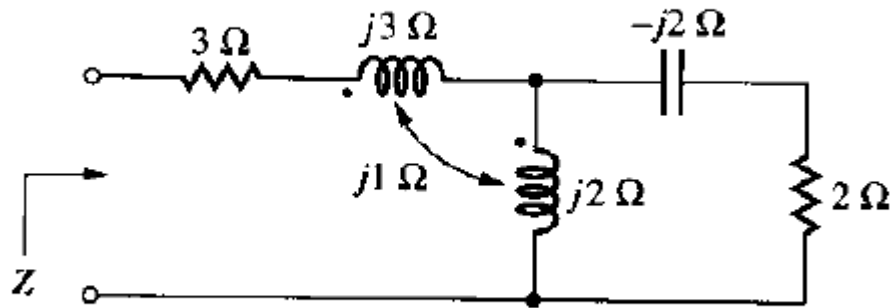

Figure P15.43

```
clc, clear, close all
format short g
z1= 3;
z2 = j*3;
z3 = j*2;
z4 = -j*2;
z5 = 2;
zm = j*1;
zeq1 = z1+z2
```

```
zeq1 =
          3 +           3i
```

```
zeq2 = z4+z5
```

```
zeq2 =
          2 -           2i
```

```
zeq = zeq1+(1/((1/(z3))+(1/(zeq2))))
```

```
zeq =
          7.5 +           7i
```