

---

```
A=[0 1; 0 0]
B=[0; 1]
P=[-5+2*j -5-2*j];
K=place(A,B,P)
```

*A* =

$$\begin{bmatrix} 0 & 1 \\ 0 & 0 \end{bmatrix}$$

*B* =

$$\begin{bmatrix} 0 \\ 1 \end{bmatrix}$$

*K* =

$$29.0000 \quad 10.0000$$

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