Diagrama de polos e zeros

```
zeros[0]
polos=[(0.70710678+0.70710678j), (0.70710678-0.70710678j)]
```

```
print(polos,zeros)
```

```
    [(0.70710678+0.70710678j), (0.70710678-0.70710678j)] [0]
```

```
def zpplote(zeros,polos):

  plt.figure(figsize = (6,6))
  axis = plt.subplot()
  axis.axhline(y=0,color ='0.5')
  axis.axvline(x=0,color ='0.5')
  circuloUnitario = plt.Circle((0,0),radius=1.0,fill=False,color='black')
  axis.add_patch(circuloUnitario)
  plt.xlim([-3,3])
  plt.ylim([-3,3])
  for p in polos:
    axis.scatter(complex(p).real,complex(p).imag,s=200,marker='x',label='Polos')
  for z in zeros:
    axis.scatter(complex(z).real,complex(z).imag,s=200,marker='o',label='Zeros',color='pink')
  plt.legend()
  plt.title('DIAGRAMA DE PÓLOS E ZEROS')
  plt.grid()
  plt.show()
```

```
zpplote(zeros,polos)
```