Zeri di funzioni

Bisezione

```
import matplotlib.pyplot as plt
   return np.exp(x) - x ** 2
x_{real} = -0.7034674
xx = np.linspace(a, b, 50)
def bisezione(E_tol: float):
   q = (n+p) / 2
   X.append(q)
    E.append(E_abs)
```

```
q = (n+p) / 2
    X.append(q)
    E_abs = abs(q-x_real)
    E.append(E_abs)

return (X, E)

tol = 0.01

bis, bis_err = bisezione(tol)

fig, (ax1, ax2) = plt.subplots(2)
ax1.plot([a, b], [0, 0], 'g')
ax1.plot(xx, list(map(f, xx)), linewidth=2.0)
ax1.plot(bis, list(map(f, bis)), 'o')
ax2.plot(range(len(bis_err)), bis_err)
```