

```
import numpy as np
         import matplotlib.pyplot as plt
         import sympy as sp

√ 0.2s

         y=sp.symbols("y")
         dydt=y**2-4*y+3
         zeros = sp.solve(dydt, y)
         print("fixed points:", zeros)
[10]

√ 0.0s

     fixed points: [1, 3]
         t_0, t_f, step = 0, 5, 100
         y_p = np.linspace(t_0, t_f, step)
         dy = y_p **2 - 4 * y_p + 3
         plt.plot(y_p, dy, label=r'$\frac{dy}{dt} = y^2 - 4y + 3', color='red')
         plt.axhline(y=0, linestyle='--')
         plt.scatter(zeros, [0,0], color='black')
         plt.show()

√ 0.0s

        8
        6 -
        4
```



