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

import sympy as sp
```

[9] ✓ 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()
```

[29] ✓ 0.0s