Claim 
$$\lambda = \frac{1}{5}$$
:  $R = [0, \frac{1}{5}, \frac{3}{5}, \frac{4}{5}, 0]$ 

P2:  $Lu = -u'' + \frac{1}{5}u = \frac{1}{5}x = f(x)$ 
 $C = \frac{1}{5}$ 
 $L = \frac{1}{5}$ 
 $L$