

Console

$$q(1) = \frac{3.0000}{7.0000} \quad a = 7.0000 \quad \text{Scaled } q(1) = \frac{0.4286}{1}$$

$$q(2) = \frac{2.4286}{5.2857} \quad a = 5.2857 \quad \text{Scaled } q(2) = \frac{0.4595}{1}$$

$$q(3) = \frac{2.4595}{5.3784} \quad a = 5.3784 \quad \text{Scaled } q(3) = \frac{0.4573}{1}$$

$$q(4) = \frac{2.4573}{5.3719} \quad a = 5.3719 \quad \text{Scaled } q(4) = \frac{0.4574}{1}$$

$$q(5) = \frac{2.4574}{5.3723} \quad a = 5.3723 \quad \text{Scaled } q(5) = \frac{0.4574}{1}$$

Hence the largest eigenvalue is 5.3723 with the corresponding eigenvector as 0.45
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