Quantitative Methods and Simulations

Activity 09

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$$\boldsymbol{\mu = 10, \lambda = 8, s = 4}$$

a. Número de autos en el sistema

$$P_0 = (\sum_{n=0}^{s-1} \left(\frac{\lambda^n}{n!\,\mu^n}\right) + (\frac{\lambda^s}{s!\,\mu^s(1-\frac{\lambda}{s\mu})}))^{-1}$$

$$P_0 = (\frac{1825643}{8203125})^{-1} = (2.22555)^{-1} = 0.4493$$