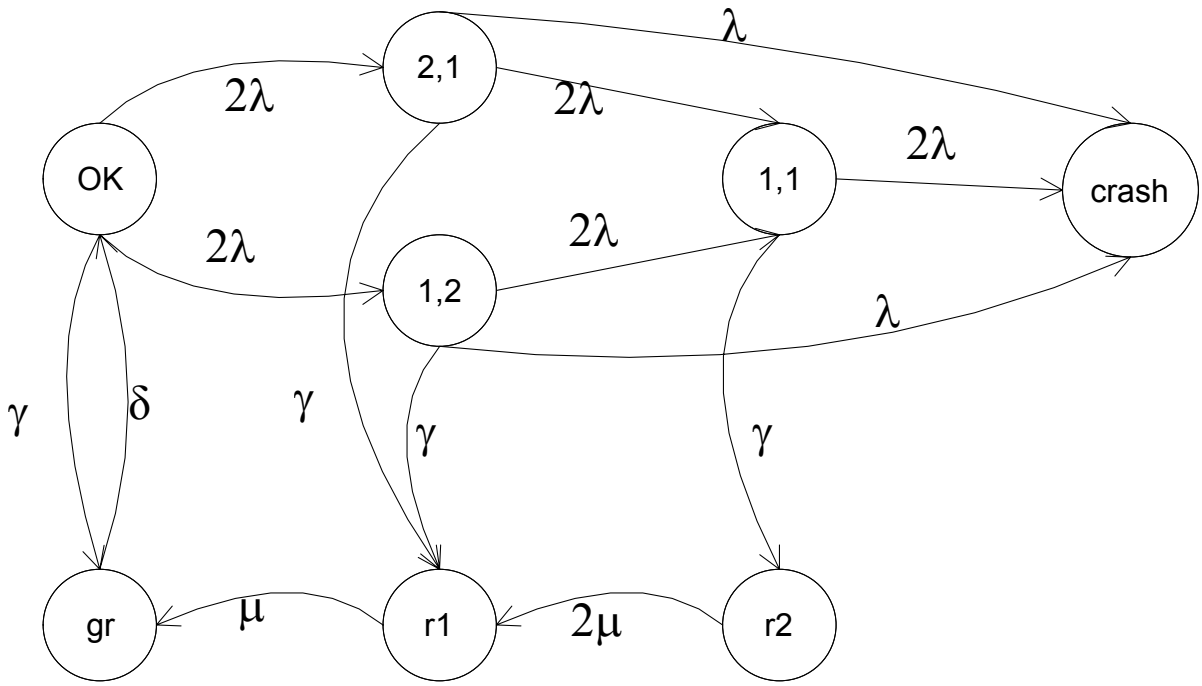

$$\pi = (\pi_{OK}, \pi_{2,1}, \pi_{1,2}, \pi_{1,1}, \pi_{crash}, \pi_{r2}, \pi_{r1}, \pi_{gr})$$

$$Q = \begin{bmatrix} -(\gamma+4\lambda) & 2\lambda & 2\lambda & 0 & 0 & 0 & 0 & \gamma \\ 0 & -(\gamma+3\lambda) & 0 & 2\lambda & \lambda & 0 & \gamma & 0 \\ 0 & 0 & -(\gamma+3\lambda) & 2\lambda & \lambda & 0 & \gamma & 0 \\ 0 & 0 & 0 & -(\gamma+2\lambda) & 2\lambda & \gamma & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & -2\mu & 2\mu & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\mu & \mu \\ \delta & 0 & 0 & 0 & 0 & 0 & 0 & -\delta \end{bmatrix}$$