

## CTMC

To have this assignment evaluated for the in-class exam, please upload on WeBeep a ZIP file including:

- the source code used to solve this assignment
- this file, with the table below properly filled

Name (Family + given)	Servidio Elisa
Student ID (codice persona)	10544789
QR-code ID (8 digits of the QR that was given you)	27207143

  

CTMC drawing:

  

Infinitesimal generator matrix:

$$Q = \begin{bmatrix} -11-12-13 & 12 & 11 & 13 \\ m2 & -m2-11 & 0 & 11 \\ m1 & 0 & -m1-12 & 12 \\ 0 & m1 & m & -m1-m2 \end{bmatrix}$$
  

$$Q = \begin{bmatrix} -0.3933 & 0.3333 & 0.0500 & 0.0100 \\ 0.1250 & -0.1750 & 0 & 0.0500 \\ 0.5000 & 0 & -0.8333 & 0.3333 \\ 0 & 0.5000 & 0.1250 & -0.6250 \end{bmatrix}$$

Figure with the evolution of the state probabilities as function of time.

