## **State machines**

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
Sensing probability	0.500813
Using CPU probability	0.260352
Turning on the Heat pump	0.127636
Turning on the Air conditioning	0.111198
Sensing frequency	0.017488
State machine drawing:	
$Exp < l=0.03 \text{ s-1} > $ $Exp < l=0.05 \text{ s-1} > $ $Teturns$ $1-Sensing$ $Temperature$ $P_{2\rightarrow 1} = 0.5$ $P_{2\rightarrow 3} = 0.3$ $P_{2\rightarrow 3} = 0.3$ $Uniform < a=10 \text{ s, } b=20 \text{ s} > $ $2-Using$ $CPU$	4-Actuating heat pump  turns on  P <sub>2-&gt;4</sub> = 0.2