

## 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)	Makovec Matteo
Student ID (codice persona)	10782774
QR-code ID (8 digits of the QR that was given you)	24499815
Sensing probability	0.526813
Using CPU probability	0.264827
Turning on the Heat pump	0.126746
Turning on the Air conditioning	0.081614
Sensing frequency	0.017500
State machine drawing:	
<pre>graph LR     CPU[1: CPU] -- Erlang(0.1, 3) --&gt; TempSensor[2: Temperature Sensor]     CPU -- Unif(10, 20) --&gt; Decision{ }     Decision -- p1 = 50% --&gt; TempSensor     Decision -- p2 = 30% --&gt; AC[3: Air Conditioning]     Decision -- p3 = 20% --&gt; HP[4: Heat Pump]     TempSensor -- Exp(0.05) --&gt; AC     HP -- Exp(0.03) --&gt; TempSensor</pre>	