

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)	Giovanni Demasi	
Student ID (codice persona)	10656704	
QR-code ID (8 digits of the QR that was given you)	71847928	
	Sensing probability	0,5266
	Using CPU probability	0,2553
	Turning on the Heat pump	0,1118
	Turning on the Air conditioning	0,1063
	Sensing frequency	0,0172
	State machine drawing:	

```
graph LR; start(( )) --> sen1((sen1)); sen1 -- "0.5" --> cpu2((cpu2)); cpu2 -- "Erl(λ=0.1s⁻¹, k=3)" --> sen1; cpu2 -- "Uni(a=10s, b=20s)" --> triangle[ ]; triangle -- "0.3" --> air3((air3)); air3 -- "0.2" --> heat4((heat4)); heat4 -- "Exp(λ=0.03s⁻¹)" --> sen1; air3 -- "Exp(λ=0.05s⁻¹)" --> sen1;
```