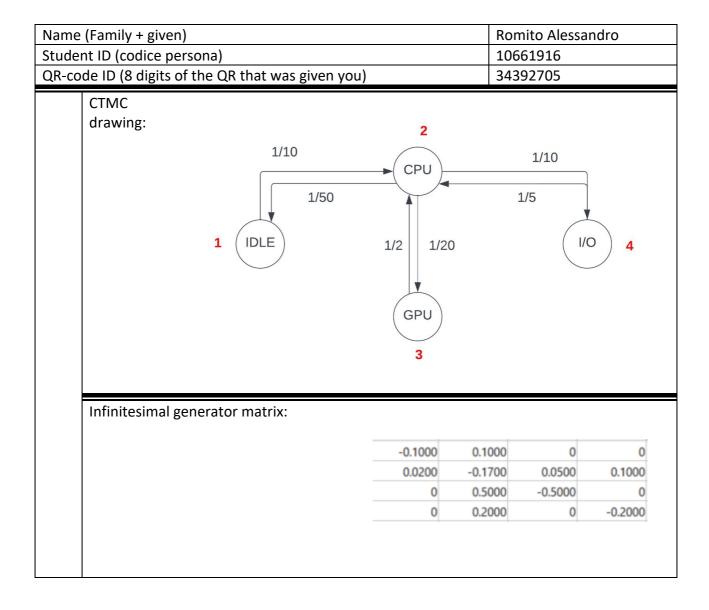
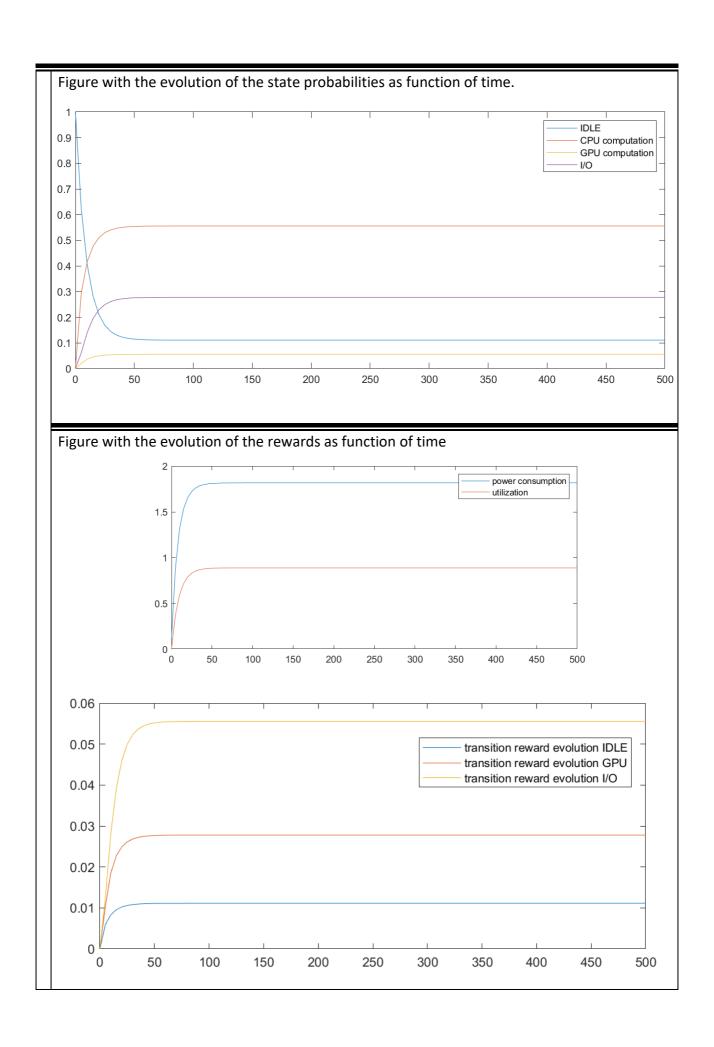
CTMC Performance Indices

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



% Power consu	mption ved	ctor		
alpha = [0.1 2 1				
% Utilization ve	ector			
alpha1 = [0 1 1				
	-			
% transition rev	ward matri	ces:		
C -1 1 1				
System through				
0	0	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	
CDI I the second second				
GPU throughpເ o	it matrix	0	0	
0	0	0	0	
0	1	0	0	
0	0	0	0	
I/O throughput	•	U	o .	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	1	0	0	



Steady state probabilities, and limit rewards.

Steady state probabilities:

<u></u>				
S1	0.111111111111111			
S2	0.5555555555556			
S3	0.0555555555555			
S4	0.27777777777778			

Limit rewards:

• Power consumption: 1.8167

• Utilization: 0.8889

System Throughput: 0.01111GPU Throughput: 0.027784I/O Frequency: 0.055556