Basic Performance Indices and Workloads

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
apache1.log	Arrival rate and throughput	0.504004 [jobs/s]
	Average inter-arrival time	1.98411 [s]
	Busy time	1784.64 [s]
	Utilization	0.898565
	W	12975.1 [jobs per s]
	Average Service Time	1.78286 [s]
	Average Number of Jobs	6.53298 [jobs]
	Average Response Time	12.9622 [s]
	Probability of having *m* jobs in the web server with *m = 0*	0.101435
	Probability of having *m* jobs in the web server with *m = 1*	0.098607
	Probability of having *m* jobs in the web server with *m = 2*	0.113378
	Probability of having *m* jobs in the web server with *m = 3*	0.0929798
	Probability of having a response time less than τ *= 1 s*	0.043956
	Probability of having a response time less than τ *= 5 s*	0.284715
	Probability of having a response time less than τ *= 10 s*	0.508492
Apache2.log	Arrival rate and throughput	0.529309 [jobs/s]
	Average inter-arrival time	1.88925 [s]
	Busy time	1784.64 [s]
	Utilization	0.943682
	W	39062.7 [jobs per s]
	Average Service Time	1.78286 [s]
	Average Number of Jobs	20.6556 [jobs]
	Average Response Time	39.0237 [s]
	Probability of having *m* jobs in the web server with *m = 0*	0.0563183
	Probability of having *m* jobs in the web server with *m = 1*	0.0216763
	Probability of having *m* jobs in the web server with *m = 2*	0.0169278
	Probability of having *m* jobs in the web server with *m = 3*	0.00987921
	Probability of having a response time less than τ *= 1 s*	0.020979
	Probability of having a response time less than τ *= 5 s*	0.0549451
	Probability of having a response time less than τ *= 10 s*	0.0949051