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)		Demasi Giovanni
Student ID (codice persona)		10656704
QR-code ID (8 digits of the QR that was given you)		71847928
apache1.log	Arrival rate and throughput	0,5040 *jobs/second*
	Average inter-arrival time	1,9841 *seconds*
	Busy time	1784,6380 *seconds*
	Utilization	0,8986
	W	12975,1440 *job·seconds*
	Average Service Time	1,7829 *seconds*
	Average Number of Jobs	6,5330 *jobs*
	Average Response Time	12,9622 *seconds*
	Probability of having *m* jobs in the web server with *m = 0*	0,1014
	Probability of having *m* jobs in the web server with *m = 1*	0,0986
	Probability of having *m* jobs in the web server with *m = 2*	0,1134
	Probability of having *m* jobs in the web server with *m = 3*	0,0930
	Probability of having a response time less than τ *= 1 s*	0,0440
	Probability of having a response time less than τ *= 5 s*	0,2847
	Probability of having a response time less than τ *= 10 s*	0,5085
Apache2.log	Arrival rate and throughput	0,5293 *jobs/second*
	Average inter-arrival time	1,8893 *seconds*
	Busy time	1784,6380 *seconds*
	Utilization	0,9437
	W	39062,7520 *job·seconds*
	Average Service Time	1,7829 *seconds*
	Average Number of Jobs	20,6556 *jobs*
	Average Response Time	39,0237 *seconds*
	Probability of having *m* jobs in the web server with *m = 0*	0,0563
	Probability of having *m* jobs in the web server with *m = 1*	0,0217
	Probability of having *m* jobs in the web server with *m = 2*	0,0169
	Probability of having *m* jobs in the web server with *m = 3*	0,0099
	Probability of having a response time less than τ *= 1 s*	0,0210
	Probability of having a response time less than τ *= 5 s*	0,0549
	Probability of having a response time less than τ *= 10 s*	0,0949