**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

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| --- | --- | --- |
| Name (Family + given) | | Makovec Matteo |
| Student ID (codice persona) | | 10782774 |
| QR-code ID (8 digits of the QR that was given you) | | 24499815 |
| apache1.log | Arrival rate and throughput | 0.5040 req/sec |
| Average inter-arrival time | 1.9841 sec |
| Busy time | 1784.63 sec |
| Utilization | 0.8986 |
| W | 12975.1 sec |
| Average Service Time | 1.7828 sec |
| Average Number of Jobs | 6.5330 |
| Average Response Time | 12.962 sec |
| 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 * = 1 s* | 0.0440 |
| Probability of having a response time less than  *= 5 s* | 0.2847 |
| Probability of having a response time less than  *= 10 s* | 0.5085 |
| Apache2.log | Arrival rate and throughput | 0.5293 req/sec |
| Average inter-arrival time | 1.8892 sec |
| Busy time | 1784.63 sec |
| Utilization | 0.9437 |
| W | 39062.7 sec |
| Average Service Time | 1.7828 sec |
| Average Number of Jobs | 20.6556 |
| Average Response Time | 39.023 sec |
| 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 * = 1 s* | 0.0210 |
| Probability of having a response time less than  *= 5 s* | 0.0549 |
| Probability of having a response time less than  *= 10 s* | 0.0949 |