Table 2: Average server execution time reported by MySQL server over 5 runs for each query  
Buffer pool size: \_\_\_\_\_\_\_\_\_\_ GBytes

|  |  |  |  |
| --- | --- | --- | --- |
| Query ID | Optimization Method | Before Optimization (ms) | After Optimization (ms) |
| Q1 |  |  |  |
| Q3 |  |  |  |
| Q6 |  |  |  |
| Q9 |  |  |  |
| Q10 |  |  |  |
| Q11 |  |  |  |
| Q15 |  |  |  |
| Q18 |  |  |  |
| Q23 |  |  |  |

Table 3: Average server execution time reported by Neo4j server over 5 runs for each query   
4 GB of RAM on VM  
Max Java Heap Size = 512 MG  
Neo4j heuristically set to 50% of RAM – Java Heap Size  
Buffer pool size: **1.5** GBytes

|  |  |
| --- | --- |
| Query ID | Average Response Time (ms) |
| Q1 |  |
| Q3 |  |
| Q6 |  |
| Q9 |  |
| Q10 |  |
| Q11 |  |
| Q15 |  |
| Q18 |  |
| Q23 |  |