Table 2: Average server execution time reported by MySQL server over 5 runs for each query  
n = SELECT @@innodb\_buffer\_pool\_size/1024/1024/1024;  
Buffer pool size: **n** GBytes

|  |  |  |  |
| --- | --- | --- | --- |
| Query ID | Optimization Method | Before Optimization (ms) | After Optimization (ms) |
| Q1 | CREATE INDEX retweetCountIndex On Tweet(retweet\_count) | 421 | 17 |
| Q3 |  | 9453 |  |
| Q6 |  | 63 |  |
| Q9 | CREATE INDEX subCategoryIndex ON User (sub\_category); | 21 |  |
| Q10 |  | 9922 |  |
| Q11 |  | 31 |  |
| Q15 |  | 532 |  |
| Q18 |  | 16703 |  |
| Q23 |  | 578 |  |