Buffer pool size: 0.8 GBytes

| Query<br>ID | Optimization method         | Before Optimization (ms) | After Optimization (ms) |
|-------------|-----------------------------|--------------------------|-------------------------|
| Q3          | Increased buffer pool       | 4790                     | 254                     |
| Q7          | Index on users.state        | 234                      | 47                      |
| Q9          | Index on users.subCategory  | 63                       | 0                       |
| Q16         | Index on tweets.createdTime | 6794                     | 198                     |
| Q18         | Index on users.screenName   | 2269                     | 156                     |
| Q23         | Increased buffer pool       | 2125                     | 79                      |