

Table 2

Buffer Pool Size: 8388608

Query	Optimization Method	Before Optimization	After Optimization
Q1	Index on year	1.7906	2.3906
Q3	Index on screen name	2.5566	3.125
Q6	Index on hashtag	0.83225	0.3253
Q9	Index on sub category	0.2438	0.0545
Q10	Index on state	2.8656	2.406
Q11	Index on state and subcategory	0.50425	0.578
Q15	Index on sub category	7.528	2.735
Q18	Index on subcategory	12.8908	3.671
Q23	Index on theYear and sub_category	12.5436	3.360