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1  --- query 01 (count)
2  SELECT COUNT(*) FROM data
3  1000000
4
5  --- query 02 (count, where)
6  SELECT COUNT(*) FROM data WHERE source = 'A' AND destination = 'D'
7  11115
8
9  --- query 03 (count, where, in)
10 SELECT COUNT(*) FROM data WHERE size = 'S' AND source IN ('A','B','C')
11 AND weight >= 1000 AND weight <= 2500 AND isExpress = 'true'
12 2686
13
14 --- query 04 (count, where, not in)
15 SELECT COUNT(*) FROM data WHERE size = 'L' AND source NOT IN ('A','B')
16 AND weight >= 1250 AND weight <= 3750 AND isExpress = 'false' AND isValue = 'true'
17 1343
18
19 --- query 05 (id, where, in, order by desc limit)
20 SELECT id FROM data WHERE size = 'S' AND destination IN ('D','E','F')
21 AND source = 'B' AND weight >= 3500 AND isExpress = 'true' AND isValue = 'true'
22 ORDER BY weight DESC LIMIT 3
23 127555
24 309059
25 263230
26
27 --- query 06 (id, where, in, order by desc, order by asc)
28 SELECT id FROM data WHERE size = 'M' AND destination = 'C'
29 AND source IN ('G','H','I','J') AND weight <= 1500 AND isExpress = 'true'
30 AND isValue = 'true'
31 ORDER BY weight DESC, destination
32 468257
33 154270
34
35 --- query 07 (count, group by)
36 SELECT isExpress, COUNT(*) FROM data GROUP BY isExpress
37 false 919981
38 true 80019
39
40 --- query 08 (count, where, group by)
41 SELECT size, COUNT(*) FROM data WHERE isExpress = 'true' AND isValue = 'false'
42 GROUP BY size
43 S 26551
44 M 26337
45 L 26309
46
47 --- query 09 (count, where, in, group by)
48 SELECT destination, COUNT(*) FROM data WHERE destination IN ('A','C')
49 AND isValue = 'false' GROUP BY destination
50 C 98830
51 A 99281
52
53 --- query 10 (count, where, not in, group by)
54 SELECT destination, COUNT(*) FROM data WHERE source NOT IN ('B','C')
55 AND isExpress = 'true' AND isValue = 'true' AND isFragile = 'true'
56 GROUP BY destination
57 I 3
58 J 3
59 G 3
60 H 1
61 D 3
62 B 1
63 C 2
64 F 2
65 A 1
66
67
68
69

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70 --- query 11 (sum, where, not in, in, group by)
71 SELECT isValue,SUM(weight) FROM data WHERE source = 'B'
72 AND destination NOT IN ('D','E')
73 AND weight >= 1000 AND weight <= 2750
74 GROUP BY isValue
75 false 56055016
76 true 558159
77
78 --- query 12 (avg, where, in, in, group by)
79 SELECT destination,AVG(weight) FROM data WHERE source IN ('A','B')
80 AND destination IN ('C','D') AND weight >= 1250 AND isFragile = 'true'
81 GROUP BY destination
82 D 3095
83 C 3185
84
85
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