

```
mysql> CREATE TABLE R (
->     A VARCHAR(5),
->     B VARCHAR(5),
->     X VARCHAR(5),
->     Y VARCHAR(5),
->     Z VARCHAR(5),
->     PRIMARY KEY (A, B, X, Y, Z)
-> );
```

Query OK, 0 rows affected (0.02 sec)

```
mysql> INSERT INTO R (A, B, X, Y, Z) VALUES
-> ('a', 'b', 'x', 'y', 'z1'),
-> ('a', 'b', 'x', 'y2', 'z2'),
-> ('a', 'c', 'x1', 'y3', 'z3'),
-> ('d', 'b', 'x2', 'y4', 'z4'),
-> ('e', 'f', 'x3', 'y5', 'z5');
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> SELECT Z, COUNT(DISTINCT A) AS DistinctA
-> FROM R
-> GROUP BY Z
-> HAVING COUNT(DISTINCT A) > 1;
```

Empty set (0.01 sec)

```
mysql> SELECT B, COUNT(DISTINCT X) AS DistinctX
-> FROM R
-> GROUP BY B
-> HAVING COUNT(DISTINCT X) > 1;
```

```
+---+-----+
| B | DistinctX |
```

```
+---+-----+
```

```
| b |          2 |
```

```
+---+-----+
```

```
1 row in set (0.00 sec)
```

1 row in set (0.00 sec)

```
mysql> SELECT A, X, COUNT(DISTINCT Y) AS DistinctY
-> FROM R
-> GROUP BY A, X
-> HAVING COUNT(DISTINCT Y) > 1;
```

```
+---+---+-----+
| A | X | DistinctY |
```

```
+---+---+-----+
```

```
| a | x |          2 |
```

```
+---+---+-----+
```

1 row in set (0.00 sec)

```
mysql> SELECT Z, B, COUNT(DISTINCT Y) AS DistinctY
-> FROM R
-> GROUP BY Z, B
-> HAVING COUNT(DISTINCT Y) > 1;
Empty set (0.00 sec)
```

