

You are given a table, Functions, containing X and Y columns.

Column	Type
X	Integer
Y	Integer

Two pairs (X1, Y1) and (X2, Y2) are said to be symmetric pairs if $X1 = Y2$ and $X2 = Y1$.

Write a query to output all such symmetric pairs in ascending order by the value of X. List the rows such that $X1 \leq Y1$.

X	Y
20	20
20	20
20	21
23	22
22	23
21	20

```
SELECT F1.X,F1.Y FROM FUNCTIONS F1 INNER JOIN FUNCTIONS F2 ON F1.X = F2.Y
AND F2.X = F1.Y
GROUP BY F1.X, F1.Y
HAVING F1.X < F1.Y OR F1.X = F1.Y AND COUNT(*) > 1
ORDER BY F1.X
```