

Symmetric Pairs

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

Column	Type
<i>X</i>	<i>Integer</i>
<i>Y</i>	<i>Integer</i>

Two pairs (X_1, Y_1) and (X_2, Y_2) are said to be *symmetric pairs* if $X_1 = Y_2$ and $X_2 = Y_1$.

Write a query to output all such *symmetric pairs* in ascending order by the value of *X*.

Sample Input

<i>X</i>	<i>Y</i>
20	20
20	20
20	21
23	22
22	23
21	20

Sample Output

```
20 20
20 21
22 23
```

```
SELECT A.x, A.y
FROM FUNCTIONS A JOIN FUNCTIONS B ON
    A.x = B.y AND A.y = B.x
GROUP BY A.x, A.y
HAVING COUNT(A.x) > 1 OR A.x < A.y
ORDER BY A.x
```