Symmetric Pairs



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

Column	Туре
X	Integer
Υ	Integer

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. List the rows such that $X_1 \leq Y_1$.

Sample Input

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

Sample Output

20 20 20 21 22 23

Solution:

```
select a.x,a.y
from Functions a
Join functions b on a.x =b.y and b.x =a.y
group by a.x,a.y
having count(a.x)>1 or a.x<a.y
order by a.x
```