Variant 3

A symmetric matrix of real numbers [aij], i = 1, ..., n, j = 1, ..., n is input from the input stream.

The value of n is not known in advance and is entered from the input stream.

Form a new matrix by swapping in each row the maximum and minimum elements in each row (all of them, if there are several of them).

Output the original and the obtained matrix to the output stream with the necessary comments.