Goal

At the end the day, to create your company, you do not need to have an idea. One can take an idea that already works and redo the same thing. Then, you just need to buy clicks and set-up a successful e-marketing campaign. So you see things in big: you will be replicating ebay because creating an auction site is not that complicated. You receive auctions, you check that they are strictly above the reserve price and you determine the name of the winner at the end.

Data

Input

Row *1*: an integer **N** between *2* and *1000* corresponding to the number of received bids.
Row *2*: an integer between *1* and *500* corresponding to the reserve price the object.
Rows *3* to **N** + *2*: an integer **P** between *1* and *10000* and a string of characters **E** separated by a space where **P** corresponds to the bid price and **E** corresponds to the bidder's first name.

Output

A string corresponding to the winner's first name. If no one wins the auction (because all bids are less than or equal to the reserver price), return the string *KO*. You are guaranteed that if there is a winner, then there is only one.

You can download sample input and output data files to work locally by clicking on the link at the bottom of the French version of the question.

Téléchargez des fichiers d'exemple ainsi qu'un modèle de code pour travailler localement.