

Утегенов Батырхан Елембетұлы [ADS-Lab-01]: Submit a solution

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Submit a solution for E-153545. Boris vs Nursik

Time limit: 1 s
Real time limit: 5 s
Memory limit: 256M

Problem E: 153545. Boris vs Nursik

Boris and Nursik play a drunkard card game. In the drunkard card game, all cards are divided equally between two players. Then they reveal one to card, and the one whose card is higher takes both of the revealed cards for himself, which are put under the bottom of his deck. The one who is le without cards loses.

The player who takes the cards for himself first puts the Boris's card under the bottom of his deck, then the Nursik's card (that is, the Nursik's card at the bottom of the deck).

Write a program that simulates the drunkard card game and determines who wins. The game involves 10 cards with values from 0 to 9, the larger ca wins the smaller one. The one special thing is that the card with a value of 0 wins card 9.

Input format

The program receives two lines as input: the first line contains 5 numbers separated by spaces - the numbers of the Boris's cards, the second Nursik's 5 cards. For simplicity, we will assume that all cards are different in value. The cards are listed from top to bottom, that is, each line star with the card that will be opened first.

Output format

The program must determine who wins, and output the word Boris or Nursik, then output the number of moves made before winning. If the gan does not end within 10^6 moves, the program should output only $blin\ nichya$.

Examples



Submit a solution



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