Pi Duel
Problem ID: piduel

The Math Department is continuing its annual celebration of Pi Day with a pie eating contest organized by the Undergraduate Math Club. Various members of the Math Department will be competing to claim the honor of one of the best pie eaters ever!

"Pie-eating contestants aren't usually asked to contemplate the beauty of a pie's circumference divided by its diameter while devouring as much of it as they can. But on Pi Day, (March 14 - 3.14, get it?), the universal mathematical constant Pi will be celebrated simultaneously by the consumption of its baked edible homonym." - Cornell Math on Pi Day.

You have just entered the final round of the contest, a pie-eating duel, and your opponent is nobody else but the world-famous pie-eating duelist, NumPi, from the Fraternity House of Pi. Two pies were presented to you and your opponent, and the winner would be the person who eats the most pie.

NumPi outmatches you on his pie-eating abilities, but you have the unique advantage of picking which one you would like to eat as the challenger (and the other goes to NumPi). In a glance, you figured out that the two pies have the volume of v_a and v_b respectively; of course, both numbers are prefixes of π (so they are of the form 3.1 or 3.1415 or $3.14159265358979323846264338327950288419716 93$). With the right choice, you could end up eating more pie than NumPi.

The master and Ph.D. pie-makers of Cornell have made those pies with such precision that both v_a and v_b can be very long. Write a program to decide which one is the right pie to pick!

Input

The input contains two lines, each contains a number which can have at least 2 and at most 1000 digits after the decimal. It is guaranteed that both numbers are prefixes of pi and the two numbers are different.

Output

Print $first$ or $second$, the pie with more digits of π.

Sample Input 1	Sample Output 1
3.14 3.14159	second