

Chechers Turn

Input file: **standard input**
Output file: **standard output**
Time limit: 2 seconds
Memory limit: 256 megabytes

Fode and Oussama like playing checkers in the playground. As Fode always beats him, he decides to let Oussama play two successive turns each time before he plays.

The game goes as follows: Oussama plays the 1-st turn and the 2-nd turn, then Fode plays the 3-rd, Oussama plays the 4-th and 5-th, then Fode plays the 6-th, and so forth...

They want to know who will play the n -th turn. (**Oussama plays first**).

Input

A single integer n ($1 \leq n \leq 10^{18}$).

Output

Print "*Oussama*" if he is the one playing the n -th turn, otherwise print "*Fode*".

Examples

standard input	standard output
12	Fode
143621899	Oussama