

Q1: CLASSIFY THAT YEAR

A Numerologist would like you to write a program to detect **special years** and he has provided the following computation. For a year with four digits, create a mathematical integer computation using just the basic operators – addition (+), subtraction (–), multiplication (*) and division (/) – between the first three digits and compute whether the result is equal to the fourth digit, which would make the year special. For example:

Year	Is Special?	Reason
1991	YES!	$1 + 9 - 9 = 1$
1422	YES!	$1 * 4 - 2 = 2$
1891	YES!	$1 + 8 / 9 = 1$
2484	NO!	$2 / 4$ is not an integer
1482	NO!	No arrangement of operators and digits works

In all cases, the computation proceeds exactly as it would using a hand-held calculator. Thus the year 1891 is special because $1+8$ equals 9 which can be divided by 9 to equal 1. However, the year 2484 is ordinary because $2/4$ is not an integer and no other arrangement of operations can be used to declare the year special.

Your task is to write a program that determines whether a year is SPECIAL or ORDINARY.

Input

The input consists of a single line with an integer N by itself, representing a year between 1000 and 9999 inclusively.

Output

The output will consist of a single line containing the word “SPECIAL” or “ORDINARY” by itself.

Sample Input and Output

Input	Output
1991	SPECIAL
1891	SPECIAL
1482	ORDINARY
2014	ORDINARY
2033	SPECIAL