Beautiful number

Masha told Tolya that she considers a three-digit number beautiful if the half-sum of the maximum and minimum digits in it is equal to the remaining digit of the number. Help Tolya impress Masha - write a program that will determine beautiful numbers. Print for a nice number the phrase "You entered a nice number", and for the rest - "Sorry, you entered an ordinary number".

Input format

A string containing a three-digit number.

Output format

The program verdict is a string.

```
int niceNum;
int a;
int b;
int c;

std::cin >> niceNum;

// If a 3 digit number has the sum of min & max digit / 2 = 3rd middle digit.
// for example, 135:

  a = niceNum / 100; // a = 1
  b = (niceNum / 10) % 10; // b = 3

  c = niceNum % 10; // c = 5

if ( (a + b)/2 == c || (a + c)/2 == b || (c + b)/2 == a ) {
    std::cout << "You entered a nice number" << std::endl;
}
else {
    std::cout << "It's a pity you entered the usual number" << std::endl;
}
```

Example 1

Input
135
Output
You entered a nice number

Example 2

Input
468

Output
You entered a nice number

Example 3

Input
884

Output
It's a pity you entered the usual number

456