

The Time in Words

Given the time in numerals we may convert it into words, as shown below:

5:00 → five o' clock
5:01 → one minute past five
5:10 → ten minutes past five
5:15 → quarter past five
5:30 → half past five
5:40 → twenty minutes to six
5:45 → quarter to six
5:47 → thirteen minutes to six
5:28 → twenty eight minutes past five

At **minutes = 0**, use o' clock. For **1 <= minutes <= 30**, use past, and for **30 < minutes** use to. Note the space between the apostrophe and clock in o' clock. Write a program which prints the time in words for the input given in the format described.

Function Description

Complete the `timeInWords` function in the editor below. It should return a time string as described.

`timeInWords` has the following parameter(s):

- `h`: an string representing hour of the day
- `m`: an string representing minutes after the hour

Input Format

The first line contains `h`, the hours portion. The second line contains `m`, the minutes portion

Note: You must not use any native classes such as `NSDateFormatter` and `NSNumberFormatter`, only your own implementation! Also function must

return an empty string in case input parameters are invalid («89» in minutes
e.g.)

Output Format

Print the time in words as described.

Sample Input 0

«5»

«47»

Sample Output 0

thirteen minutes to six

Sample Input 1

«3»

«00»

Sample Output 1

three o' clock

Sample Input 2

«7»

«15»

Sample Output 2

quarter past seven