

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 $1 \leq minutes \leq 30$, 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.

timeInWords has the following parameter(s):

- int h*: the hour of the day
- int m*: the minutes after the hour

Returns

- string*: a time string as described

Input Format

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

Constraints

- $1 \leq h \leq 12$
- $0 \leq m < 60$

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