The Time in Words

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

$$5:00 \rightarrow \text{ five o' clock}$$
$$5:01 \rightarrow \text{ one minute past five}$$
$$5:10 \rightarrow \text{ ten minutes past five}$$
$$5:15 \rightarrow \text{ quarter past five}$$
$$5:30 \rightarrow \text{ half past five}$$
$$5:40 \rightarrow \text{ twenty minutes to six}$$
$$5:45 \rightarrow \text{ quarter to six}$$
$$5:47 \rightarrow \text{ thirteen minutes to six}$$
$$5:28 \rightarrow \text{ twenty eight minutes past five}$$

Write a program which prints the time in words for the input given in the format mentioned above.

Input Format

There will be two lines of input:
H, representing the hours
M, representing the minutes

Constraints
$1 \leq H < 12$
$0 \leq M < 60$

Output Format

Display the time in words.

Sample Input

```
5
47
```

Sample Output

thirteen minutes to six