The Time in Words

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

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

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
$1 \le H < 12$
$0 \le M \lt 60$

Output Format

Display the time in words.

Sample Input

```
5
47
```

Sample Output

thirteen minutes to six