

The Time in Words

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

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

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5
47
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Sample Output

thirteen minutes to six