

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
- 5:30 → 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

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