

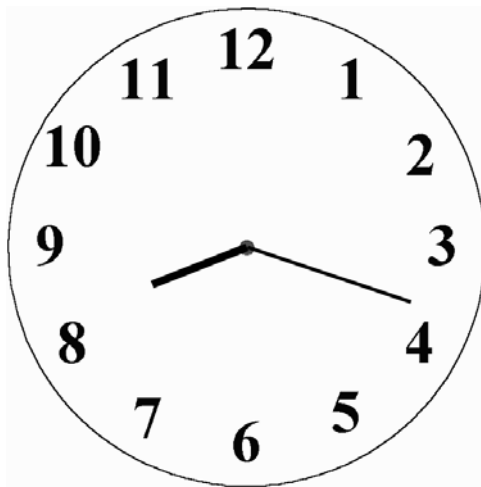
# problem 7 A Question of Time

4 points

## Introduction

This program will calculate time based on a traditional round clock with hour and minute hands. The hour hand on this clock moves slowly from hour to hour; it does not jump from one hour to the next.

If both hands are on opposite sides of, and an equal distance from, the number six, then for a given number of minutes after the hour the program should determine the current time.



## Input

Each line of input is an integer value indicating the number of minutes after the hour, in the range zero through fifty-nine. The input ends with a -1.

```
18
5
46
0
-1
```

## Output

For each input, the program should print the time formatted digitally, i.e., "hours:minutes". Single-digit hours must not have a leading zero, but single-digit minutes must have a leading zero.

```
8:18
11:05
2:46
12:00
```