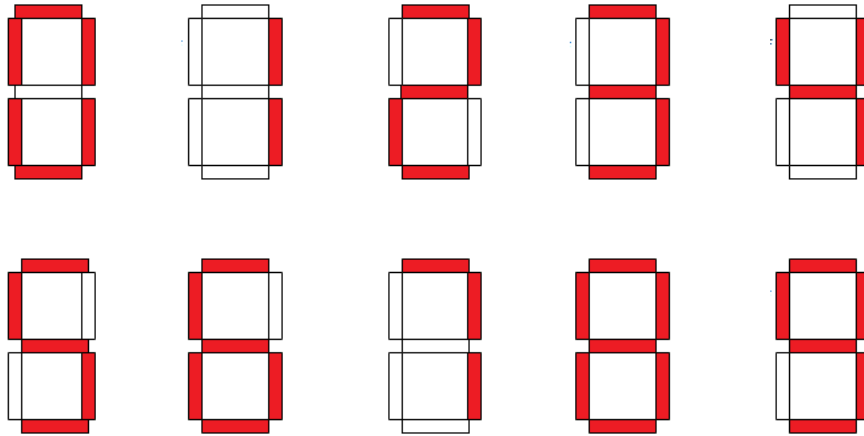


C. Clocks

Time limit: 1 second
Memory limit: 65535 kBytes

Description

Given any arbitrary time displayed on a digital clock. The clock uses four LEDs, each made up of seven segments, and shows the time in a 24-hour format from 0:00 to 23:59. What is today's closest time to the given time that would require the same number of LED segments to be lit?



Input

The first line of the input contains H , the given hour, and the second line contains M , the given minute.

Output

The output should contain one line:

- the text *Impossible*, if there is no solution,
- OR the solution in $H:MM$ format.

Constraints

- $0 \leq H \leq 23$
- $0 \leq M \leq 59$

Examples

Input	Output
1	1:13
12	
Input	Output
17	17:41
14	
Input	Output
18	19:08
58	