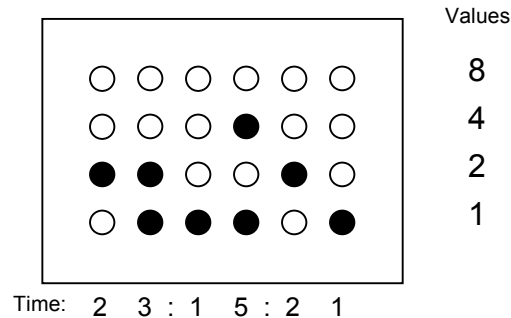


Problem name: Clock
Input File: ClockIn.txt

You are an employee of a company that designs and manufactures technology-related novelties. Their newest product is a small clock that displays the current time using a system of LED lights to represent the time as six binary coded decimals. The clock displays time in military (24-hour clock) format, showing (from left to right) hours, minutes, and seconds.



Military time adds 12 hours to all afternoon times-of-day from 1:00:00 pm on. Thus, the time-of-day displayed on the clock depicted above is 11:15:21 pm. Your task, should you decide to accept it, is to determine which lights must be lit on the clock in order to display the military time of day.

Inputs:

The first line of input will contain the number of military times to be displayed, followed by the military times, one per line.

Outputs:

There will be 5 lines of output for each military time to be displayed with a blank line between set of 5 lines. The first line in the group will be the military time using base 10 digits followed by the LED pattern for the military time. A 0 will indicate the LED is off, 1 one will indicate the LED is on. Each digits output on a line will be separated by 1 space.

Sample Input:

```
2
23:15:21
06:31:52
```

Sample Output:

```
2 3 1 5 2 1
0 0 0 0 0 0
0 0 0 1 0 0
1 1 0 0 1 0
0 1 1 1 0 1

0 6 3 1 5 2
0 0 0 0 0 0
```

010010
011001
001110