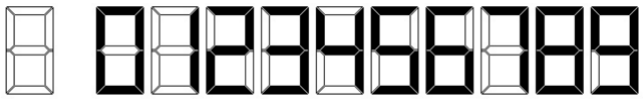
Problem K. Time to get up!

Input file:	*standard input*
Output file:	*standard output*
Time limit:	1 second
Memory limit:	512 mebibytes

Little Q's alarm is ringing! It's time to get up now! However, after reading the time on the clock, Little Q lies down and starts sleeping again. Well, he has five alarms, and it's just the first one, he can continue sleeping for a while.



Little Q's clock uses a standard 7-segment LCD display for all digits, plus two small segments for the ":", and shows all times in 24-hour format. The ":" segments are on at all times.

Your job is to help Little Q read the time shown on his clock.

Input

The first line of the input contains an integer T: the number of test cases ($1 \le T \le 1440$).

Each test case is given on seven lines as a 7×21 ASCII image of the clock screen.

Each digit segment is represented by two characters, and each colon segment is represented by one character. Character "`X`" indicates a lit segment, character "`.`" indicates a dark segment or empty space. See the sample input for details.

Output

For each test case, print a single line containing a string t formatted as "`HH:MM`": the time shown on the clock (`00:00` $\le t \le$ `23:59`).

Example

standard input	standard output
1 .XX...XX.....XX...XX. X..X....X......X.X..X X..X....X.X....X.X..X ......XX.....XX...XX. X..X.X....X....X.X..X X..X.X.........X.X..X .XX...XX.....XX...XX.	02:38