

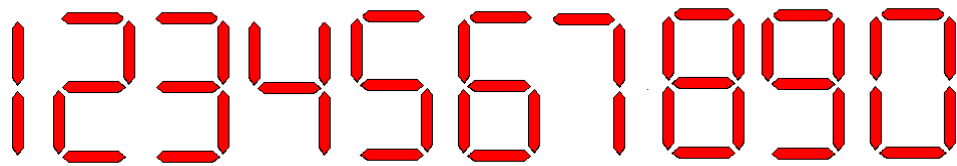
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# LED

Unknown Author

**Timelimit: 1**

John wants to set up a panel containing different numbers of LEDs. He does not have many leds, he is not sure if he will be able to mount the desired number. Considering the configuration of the LEDs of the numbers below, make an algorithm that helps John to discover the number of LEDs needed to set the value.



## Input

The input contains an integer **N**, ( $1 \leq N \leq 2000$ ) corresponding to the number of test cases, followed by **N** lines, each line containing a number ( $1 \leq V \leq 10^{100}$ ) corresponding to the value that John wants to set with the leds.

## Output

For each test case, print one line containing the number of LEDs that John needs to set the desired value, followed by the word "leds".

Input Sample	Output Sample
3	27 leds
115380	29 leds
2819311	25 leds
23456	

Thanks to Cassio F.