All Tracks > Basic Programming > Input/Output > Basics of Input/Output > Problem

SOLVE LATER

● Seven-Segment Display

Attempted by: **4085** / Accuracy: **46%** / Maximum Score: **20** / ★★★★☆ 107 Votes

Tag(s): Ad-Hoc, Basic Programming, Basics of Input/Output, Easy, Input/Output
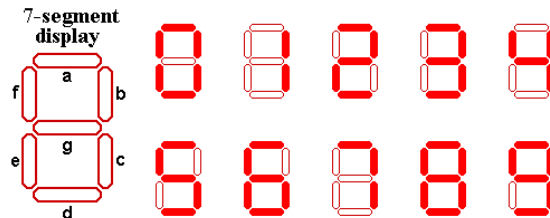
| PROBLEM | EDITORIAL | MY SUBMISSIONS | ANALYTICS |

You all must have seen a seven segment display.If not here it is:

Alice got a number written in **seven segment format** where each segment was creatted used a matchstick.

Example: If Alice gets a number **123** so basically Alice used **12 matchsticks** for this number.

Alice is wondering what is the numerically largest value that she can generate by using **at most** the matchsticks that she currently possess.Help Alice out by telling her that number.

Input Format:

First line contains **T** (test cases).

Next **T** lines contain a Number **N**.

Output Format:

Print the **largest** possible number **numerically** that can be generated using **at max** that many number of matchsticks which was used to generate N.

Constraints:

$1 \leq T \leq 100$

$1 \leq length(N) \leq 100$

SAMPLE INPUT	SAMPLE OUTPUT
2 1 0	1 111

Explanation

If you have **1** as your number that means you have **2** match sticks.You can generate **1** using this.

If you have **0** as your number that means you have **6** match sticks.You can generate **111** using this.

| Time Limit:	1.0 sec(s) for each input file.
Memory Limit:	256 MB
Source Limit:	1024 KB
Marking Scheme:	Marks are awarded when all the testcases pass.
Allowed Languages:	Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, TypeScript, Visual Basic

CODE EDITOR

Enter your code or Upload your code as file.   Save   Java 8 (oracle 1.8.0_131)

1 |

1:1
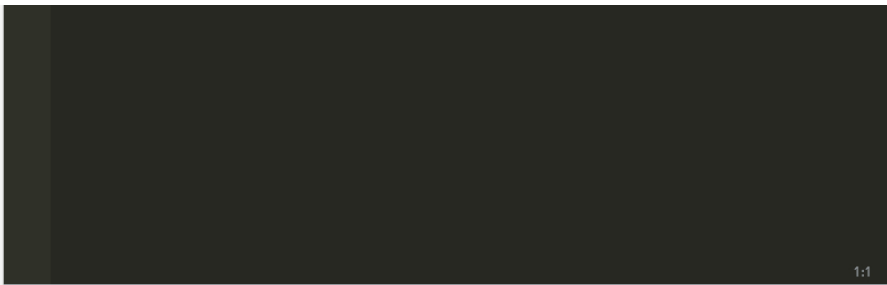
💡 *Press Ctrl/Command+Spacebar for autocomplete suggestions (accuracy dependent on connection stability).*

🔲 Provide custom input

COMPILE & TEST   **SUBMIT**

Your Rating: ☆☆☆☆☆

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★★★★☆ 593 Votes

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★★★☆☆ 110 Votes

Magical Word
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★★★★☆ 582 Votes