# SevenlandNumbersProblem 1 – Sevenland Numbers

In Sevenland we use a numeral system of base 7. It consists of seven digits (instead of the traditional 10) and these 7 digits are: **0**, **1**, **2**, **3**, **4**, **5**, and **6**. The numbers in the system of base 7 are just like the decimal numbers, but after 6 the next number is 10. More general, the numbers in the 7-base numeral system are: 0, 1, 2, 3, 4, 5, 6, 10, 11, …, 16, 20, 21, …, 26, 30, …, 65, 66, 100, 101, …, 106, 110, …, 166, 200, …, 666, 1000.

Write a program that takes as input a 7-based integer number **K** and calculates and prints the next number following it (**K+1**).

### Input

The input data should be read from the console and consists of a single line holding a 7-based integer **K**.

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

The output data should be printed on the console.

The output should consist of a single line holding the number **K+1** (in 7-based numeral system).

### Constraints

- The number **K** is in the range [0…666] inclusive.
- Allowed work time for your program: 0.1 seconds.
- Allowed memory: 16 MB.

### Examples

| Input | Output |
|---|---|
| 5 | 6 |

| Input | Output |
|---|---|
| 56 | 60 |

| Input | Output |
|---|---|
| 166 | 200 |

| Input | Output |
|---|---|
| 200 | 201 |