題目

For a positive integer `n`, let `f(n)` denote the sum of the digits of `n` when represented in base 10. It is easy to see that the sequence of numbers `n, f(n), f(f(n)), f(f(f(n))), ...` eventually becomes a single digit number that repeats forever. Let this single digit be denoted `g(n)`.

For example, consider `n = 1234567892`. Then:

```
f(n) = 1+2+3+4+5+6+7+8+9+2 = 47
f(f(n)) = 4+7 = 11
f(f(f(n))) = 1+1 = 2
```

Therefore, `g(1234567892) = 2`.

Each line of input contains a single positive integer `n` at most 2,000,000,000. For each such integer, you are to output a single line containing `g(n)`.

輸入格式	輸出格式
11 47 1234567892 2	2 2 2 2

備註

本題不強制使用 class 作答