D. Rosetta Problem

time limit per test: 2 seconds memory limit per test: 64 megabytes

input: standard input output: standard output

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v34*8+6+,78+9*3+,93+9*5+,28+9*1+,55+9*4+,23*6*2*,91,@,+7*9*25,*48,+3*9+38,+< >62*9*2+,34*9*3+,66+9*8+,52*9*7+,75+9*8+,92+9*6+,48+9*3+,43*9*2+,84*,26*9*3^ Input
```

The input contains a single integer a ($0 \le a \le 1000000$).

Output

Output a single integer.

Example

input	
129	
output	
1	