Problem C. Can't Wait for Holiday

Time limit 2000 ms
Mem limit 1048576 kB

Problem Statement

Given is a string S representing the day of the week today.

S is SUN , MON , TUE , WED , THU , FRI , or SAT , for Sunday, Monday, Tuesday, Wednesday, Thursday, Friday, and Saturday, respectively.

After how many days is the next Sunday (tomorrow or later)?

Constraints

- S is SUN , MON , TUE , WED , THU , FRI , or SAT .

Input

Input is given from Standard Input in the following format:

S

Output

Print the number of days before the next Sunday.

Sample 1

Input	Output
SAT	1

It is Saturday today, and tomorrow will be Sunday.

Sample 2

Input	Output
SUN	7

It is Sunday today, and seven days later, it will be Sunday again.