## NICE SEQUENCES

A nice sequence is a sequence of digits in which a digit $d$ is placed at any index iff $d$ is 0 or any divisor of $d(e x c e p t$ 1) has been placed already. First digit can be anything from 1 to 9 .

Find the number of nice sequences of length $n$.

## Input

Input consists of number of test cases $t$
Following t lines have a single line containing $n$ as described in the problem statement.

## Output

Print the number of nice sequences of length n modulo 1000000007 in a seperate line.

## Example

## Input:

2
1
2

Output
9
23
Explaination :
For $\mathrm{n}=2$ nice sequences are :
$10,20,22,24,26,28,30,33,36,39,40,44,48$ and so on !
Constraints:
$1<=n<=1000$

