## Out of place

You are given a very simple problem, you need to evaluate the following function for a number of values of $n$.
$F(0)=1$
$F(n)=F(n / 2)+F(n / 5)+F(n / 7)$

## Input:

The first line contains number test cases $T(T<=100)$
The next $T$ lines contain a number $n\left(n<=10^{\wedge} 9\right)$

## Output:

$T$ lines each having values of $F(n)$

## Sample I/O

Input
3
0
5
15

## Output

1
9
21

