2050 is the smallest number that can be divided by each of the numbers from 1  to 10 without any remainder.  
What is the smallest positive number that is evenly divisible(divisible with no remainder) by all of the numbers from  to N?

**Input Format**

First line contains T that denotes the number of test cases. This is followed by T lines, each containing an integer N.

**Constraints**

* T 🡪 1 to 10
* N 🡪 1 to 40

**Output Format**

Print the required answer for each test case.

**Sample Input 0**

2

3

10

**Sample Output 0**

6

2520