**Problem:**

Jane Foster and Zeus are fighting against Gorr the God Butcher. Jane and Zeus are communicating through numbers in between the battle.

Jane uses decimal number system while Zeus uses roman numerals. Help them communicate.

**Input:**

The first line of the input contains a single integer T denoting the number of test cases. The description of T test cases follows.

Each test case consists N, denoting the number said by Jane.

**Output:**

For each test case, print a single line, the number understood by Zeus.

(Output is case sensitive, answer in uppercase)

**Constraints:**

1 ≤ T ≤ 100

1 ≤ N ≤ 3999

**Explanation:**

**Example 1:**

Roman equivalent of 10 is “X”