# **IP Addresses**

IP addresses are formed from 32 character data streams of 1s and 0s. The decimal format of an IP address is formed by grouping 8 bits at a time and converting each binary group to a decimal number. Decimal IP addresses are written in the form of four integers separated by periods. An example of an IP address is 10.103.45.230.

#### Input

The first line of input will contain a single integer n that indicates the number of IP addresses to follow. Each of the following n lines will contain a 32 character binary number.

## Output

For each binary IP address input, you will print the decimal format of the address.

## Example

#### Input:

4

#### Output:

255.255.255.255 3.128.255.255 240.170.85.7 170.170.170.170