

# Snowpocalypse (prob2)

## The Problem

Boston's brutal winter of 2015 has made its way into the record books. After yet another blizzard last week, the city marked its snowiest month since record-keeping started in 1872. Your job is to take different weather reports of snowfall totals in inches from around the city, and convert them into equivalent feet & inches as well as corresponding rainfall amount. Ten inches of snow is equivalent to one inch of rain. Remember also that there are 12 inches in one foot.



## Input

The first line of input contains a single integer  $n$ , ( $1 \leq n \leq 1000$ ) which is the number of test cases which follow. Each test case is a single line starting with a single integer  $t$  ( $1 \leq t \leq 100$ ) representing inches of snow reported at a different location in Boston.

## Output

For each test case, output the equivalent feet and inches followed by the rainfall equivalent in the format below. Use integer division and whole numbers only for all calculations. Always use the plural word inches.

## Sample Input

```
3
45
39
57
```

## Sample Output

```
3 feet, 9 inches of snow is the equivalent of 4 inches of rain
3 feet, 3 inches of snow is the equivalent of 3 inches of rain
4 feet, 9 inches of snow is the equivalent of 5 inches of rain
```