

Input

There will be several lines of input. Each line of input will have a single integer which represents which rational number to output. For example, if a line of input is 4 then print out the 4th rational number. **Important**, the list starts with the *zeroth* element.

Output

For each line of input, print out the rational number in this form: numerator, followed by a space, followed by a forward slash, followed by a space, followed by the denominator.

Note: if the rational number is negative, the minus sign must be printed with the numerator. For example, do not print out $\frac{4}{-1}$, print $\frac{-4}{1}$ even if you are at the (denominator == -1, numerator == 4) location on the spiral.

Sample Input

```
0
1
2
3
10
```

Sample Output

```
1 / 1
0 / 1
-1 / 1
-2 / 1
3 / 2
```