JUGGLING WITH ZEROS

CHALLENGE DESCRIPTION:

In this challenge, you will deal with zero-based numbers. A zero-based number has the following form: "flag" "sequence of zeroes" "flag" "sequence of zeroes", and so on. The numbers are separated by a single space.

```
00 0 0 00 00 0
```

You have to convert zero-based numbers into integers. To do this, you need to perform the following steps:

1. Convert a zero-based number into a binary form using the following rules:

   a) flag "0" means that the following sequence of zeroes should be appended to a binary string.

   b) flag "00" means that the following sequence of zeroes should be transformed into a sequence of ones and be appended to a binary string.

   ```
   00 0 0 00 00 0 --> 1001
   ```

2. Convert the obtained binary string into an integer.

   ```
   1001 --> 9
   ```

INPUT SAMPLE:

The first argument is a file where each line of input contains a string with zero-based number.

For example:

```
00 0 0 00 00 0
00 0
00 0 0 000 00 0000000 0 000
0 000000000 00 00
```

OUTPUT SAMPLE:

For each line of input, print an integer converted from a zero-based number.

For example:

```
9
1
9208
3
```