Length

Lili likes to generate random integer. Lili wants to play a game, she will give you an integer and you have to tell her the length of the integer. Can you do it?

Format Input

The input starts with integer T, the number of test cases. For each test case, there will be an integer N.

Format Output

Each test case start with "*Case #X: *", where X is the test case number starting at 1, then followed by the length of the integer.

Constraints

- $1 \le T \le 100$
- $1 \le N \le 10^{12}$

Sample Input 1 (standard input)

```
3
10
20
300
```

Sample Output 1 (standard output)

```
Case #1: 2
Case #2: 2
Case #3: 3
```
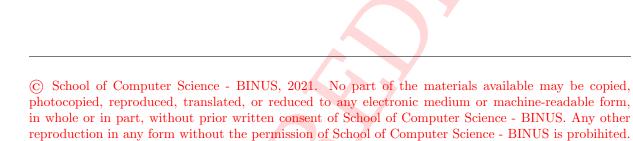
Sample Input 2 (standard input)

```
3
1000
12321
321321
```

BINUS UNIVERSITY
SCHOOL OF COMPUTER SCIENCE

Sample Output 2 (standard output)

```
Case #1: 4
Case #2: 5
Case #3: 6
```

Length

Lili senang membuat angka acak. Lili ingin bermain, dia akan memberikan Anda sebuah angka dan anda harus memberitahukan panjang angka tersebut. Bisakah Anda melakukannya?

Format Input

Baris pertama berisi T, jumlah kasus uji. Untuk setiap kasus uji, terdapat sebuah bilangan bulat N.

Format Output

Setiap kasus uji dimulai dengan "$Case\ \#X$: ", di mana X adalah nomor test case mulai dari 1, kemudian diikuti oleh panjang dari bilangan bulat yang diberikan.

Constraints

- $1 \leq T \leq 100$
- $1 \leq N \leq 10^{12}$

Sample Input 1 (standard input)

```
3
10
20
300
```

Sample Output 1 (standard output)

```
Case #1: 2
Case #2: 2
Case #3: 3
```
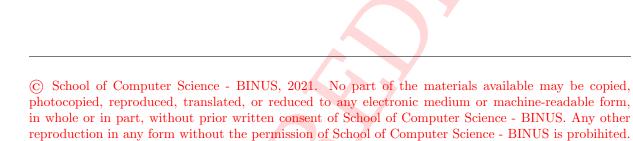
Sample Input 2 (standard input)

```
3
1000
12321
321321
```

BINUS UNIVERSITY
SCHOOL OF COMPUTER SCIENCE

Sample Output 2 (standard output)

```
Case #1: 4
Case #2: 5
Case #3: 6
```