

10101 Bangla Numbers

Bangla numbers normally use 'kuti' (1000000), 'lakh' (100000), 'hajar' (1000), 'shata' (100) while expanding and converting to text. You are going to write a program to convert a given number to text with them.

Input

The input file may contain several test cases. Each case will contain a non-negative number ≤ 999999999999999 .

Output

For each case of input, you have to output a line starting with the case number with four digits adjustment followed by the converted text.

Sample Input

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23764
45897458973958
```

Sample Output

1. 23 hajar 7 shata 64
2. 45 lakh 89 hajar 7 shata 45 kuti 89 lakh 73 hajar 9 shata 58