COCI '10 Contest 4 #4 Prosjek

Time limit: 1.0s **Memory limit:** 32M

Slavko decided to challenge Mirko! He gave him a real number P and a bag full of pieces of paper with exactly one number $1-5$ written on each paper. There is an unlimited quantity of each type of paper.

Mirko's task is to pick **the minimum number of papers** in a way that the average of the numbers written on them equals exactly P.

Input Specification

First and only line of input contains real number P.

P will have between 1 and 9 decimal places, inclusive $(1 \leq P \leq 5)$.

Output Specification

First and only line of output should contain five nonnegative integers - numbers of ones, twos, threes, fours and fives used, respectively. **If there are multiple solutions, output any one of them**.

Sample Input 1

```
5.0
```

Sample Output 1

```
0 0 0 0 1
```

Sample Input 2

```
4.5
```

Sample Output 2

```
0 0 0 1 1
```

Sample Input 3

```
3.20
```

Sample Output 3

```
0 0 4 1 0
```