Problem G
Password
Time limit: 1 second
Memory: 1024 megabytes

Problem Description

Tom and Jerry are best friends who have been playing together since they were little. Both of them are handsome and good at studying. Tom's family often invites Jerry's family to go on trips, and the destination they frequently visit is a coastal area in Central Vietnam. Here, the two young friends, Tom and Jerry, made some surprising discoveries about beauty and life.

Tom's first discovery was a string of characters and numbers of length **N**, which is a password. Jerry's second discovery was that if the numbers in the string (excluding other characters) are sorted in non-decreasing order, it would create a big number password leading to the treasure of the pirate king Roger.

After making these discoveries, both Tom and Jerry tried their best to find the password, but unfortunately, the string was too long. So they wanted to ask for your help. The two friends promised that if you assist them, they would share the treasure as follows: Tom – 40%; Jerry – 40%; and you – 30%.

Input:

- A single string of length **N** ($N \leq 10^7$).

Output:

- A big number that is the password.

Example:

INPUT	OUTPUT
0.1f08*ud*4.	00148