package tolst;

import java.io.BufferedReader;

import java.io.FileReader;

import java.io.IOException;

import java.util.HashMap;

import java.util.Scanner;

import java.util.Map;

public class tolst {

private static Scanner s;

public static void main(String[] args) {

// TODO code application logic here

String csvFile = "Толстой.txt";

String line = "";

HashMap<Character, Integer> med = new HashMap<Character, Integer>();

Scanner s= new Scanner(System.in);

char x;

try (BufferedReader br = new BufferedReader(new FileReader(csvFile))) {

while ((line = br.readLine()) != null) {

for(int i = 0; i<line.length(); i++)

{x = line.charAt(i);

if (med.containsKey(x))

{

int j = med.get(x);

med.put(x, (j+1));

}

else

{

med.put(x, 1);

}

}

}

med.entrySet().stream().sorted(Map.Entry.<Character, Integer>comparingByValue().reversed()).forEach(System.out::println);

int max = 0;

for(Character d: med.keySet())

{

if(med.get(d) > max)

max = med.get(d);

}

int mid;

for(Character d: med.keySet())

{

mid = (med.get(d)\*100)/max;

if(mid == 0)

continue;

System.out.print(d+":");

for(int j = 0;j<mid;j++)

System.out.print("|");

System.out.println("");

}

} catch (IOException e) {

e.printStackTrace();

}

}

}