

```
1: import java.io.BufferedReader;
2: import java.io.IOException;
3: import java.io.InputStreamReader;
4: import java.util.Dictionary;
5: import java.util.HashSet;
6: import java.util.Set;
7: import java.util.TreeSet;
8:
9: public class Balloon {
10:     public static BufferedReader in;
11:
12:     public static void main(String[] args) {
13:         in = new BufferedReader(new InputStreamReader(System.in));
14:         int N;
15:         Set<String> bigDict = new HashSet<>();
16:         Set<Integer> smallDict;
17:
18:         String line;
19:         try {
20:             while((line = in.readLine()) != null)
21:             {
22:                 N = Integer.parseInt(line);
23:                 for (int i = 0; i < N; i++) {
24:                     line = in.readLine();
25:                     smallDict = new TreeSet<>();
26:
27:                     for (char number : line.toCharArray())
28:                     {
29:                         smallDict.add(((int)(number))-48);
30:                     }
31:
32:                     //sorted to string
33:                     String catName = smallDict.toString();
34:
35:                     bigDict.add(catName);
36:                 }
37:                 System.out.println(bigDict.size());
38:             }
39:         } catch (IOException e) {
40:             e.printStackTrace();
41:         }
42:     }
43: }
```