

```
1  //R0T13c.java  MrG      2018.0201
2  import java.util.ArrayList;
3  public class R0T13c
4  {
5      private ArrayList<Integer> textIn;
6      private ArrayList<Integer> textOut;
7
8      public R0T13c(String s)
9      {
10         textIn = new ArrayList<Integer>();
11         textOut = new ArrayList<Integer>();
12         for(int i=0; i<s.length(); i++)
13         {
14             textIn.add((int)s.charAt(i));
15         }
16         for(int i=0; i<s.length(); i++)
17         {
18             textOut.add(encrypt(textIn.get(i).intValue()));
19         }
20     }
21
22     //public int[] getTextIn()
23     //{
24         //return textIn;
25     //}
26
27     public String toString()
28     {
29         String temp = "";
30         for(int i=0; i<textOut.size(); i++)
31         {
32             temp+=(char)textOut.get(i).intValue();
33         }
34         return temp;
35     }
36
37     private int encrypt(int ch)
38     {
39         if(Character.isUpperCase(ch))
40         {
41             return (((ch-'A')+13)%26+'A');
42         }
43
44         if(Character.isLowerCase(ch))
45         {
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46         return (((ch- 'a')+13)%26+'a');
47     }
48
49     return ch;
50 }
51 }
```