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1 //ROT13b.java MrG 2018.0201
2 public class ROT13b
3 {
4     private int[] textIn;
5     private int[] textOut;
6
7     public ROT13b(String s)
8     {
9         textIn = new int[s.length()];
10        textOut = new int[s.length()];
11        for(int i=0; i<s.length(); i++)
12        {
13            textIn[i]=(int)s.charAt(i);
14        }
15        for(int i=0; i<s.length(); i++)
16        {
17            textOut[i]=encrypt((char)textIn[i]);
18        }
19    }
20
21    public int[] getTextIn()
22    {
23        return textIn;
24    }
25
26    public String toString()
27    {
28        String temp = "";
29        for(int i=0; i<textOut.length; i++)
30        {
31            temp+=(char)textOut[i];
32        }
33        return temp;
34    }
35
36    private char encrypt(char ch)
37    {
38        if(Character.isUpperCase(ch))
39        {
40            return (char)(((ch-'A')+13)%26+'A');
41        }
42
43        if(Character.isLowerCase(ch))
44        {
45            return (char)(((ch-'a')+13)%26+'a');
```

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46         }
47
48         return ch;
49     }
50 }
```