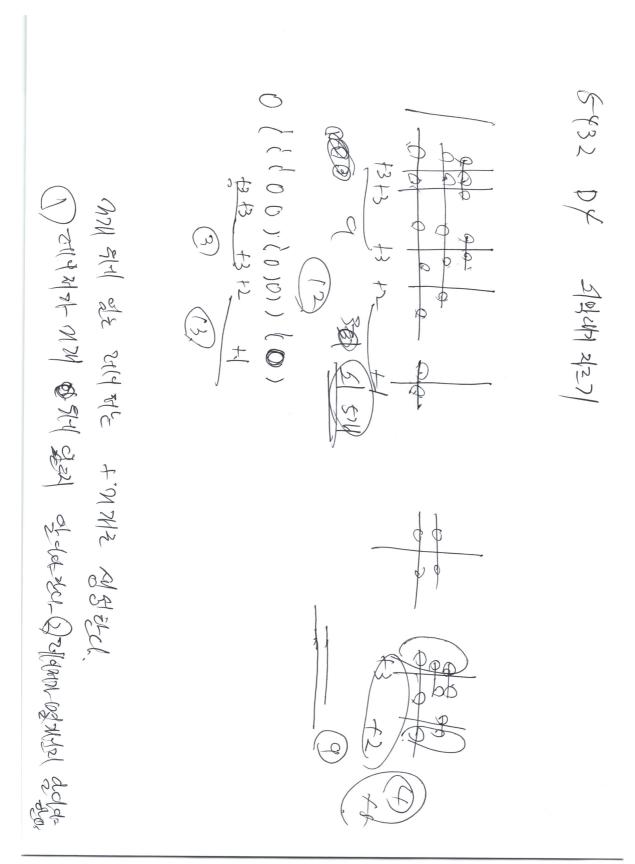
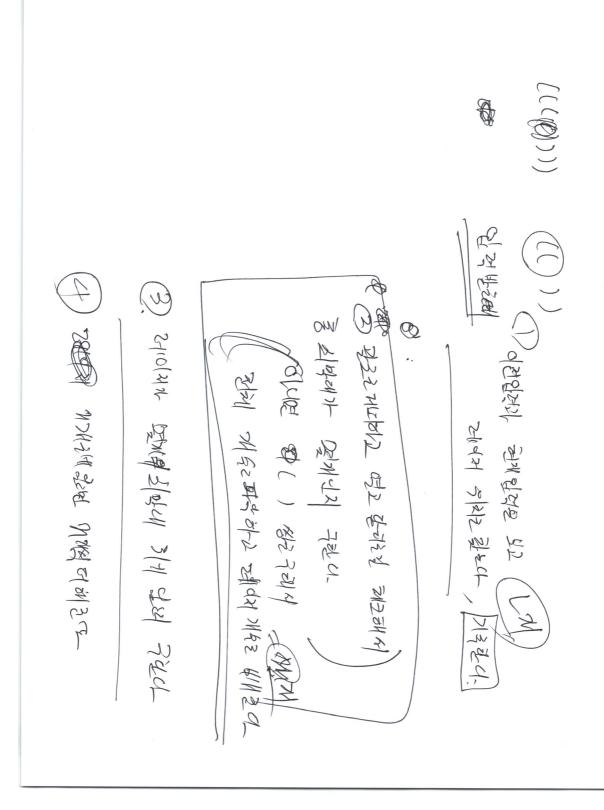
SWEA 5432



SWEA 5432 1





import java.io.BufferedReader; import java.io.IOException;

```
import java.io.InputStreamReader;
public class Solution{
//public class Test5432_1 {
  public static void main(String[] args) throws NumberFormatException, IOException {
    BufferedReader br = new BufferedReader(new InputStreamReader(System.in));
    int T = Integer.valueOf(br.readLine());
    for (int tc = 1; tc <= T; tc++) {
      String str = br.readLine();
      char[] c = new char[str.length()];
      c[0] = str.charAt(0);
      int laserNum = 0;
      int plateNum = 0;
      int cnt = 0;
      int sum = 0;
      if (c[0] == '(') {
       ++cnt;
       plateNum++;
      }
      for (int idx = 1; idx < str.length(); idx++) {</pre>
        c[idx] = str.charAt(idx);
        if ((c[idx - 1] == '(') && (c[idx] == ')')) {
          ++laserNum;
          sum+=(plateNum-1);
        if (c[idx] == '(') {
          ++plateNum;
          ++cnt;
        }
        else
          --plateNum;
      sum +=(cnt - laserNum);
      System.out.println ("#" + tc +" "+sum);
   }
 }
}
```

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