```java
1   import java.util.*;
2   import java.io.*;
3   import java.math.*;
4
5
6   class Main {
7
8       void solve() throws Exception {
9           MyReader in = new MyReader();
10          //.
11      }
12
13      public static void main(String args[]) throws Exception {
14          new Main().solve();
15      }
16
17      void debug(Object...x) {
18          System.out.println(Arrays.deepToString(x));
19      }
20  }
21
22  class MyReader {
23      BufferedReader br = new BufferedReader (
24              new InputStreamReader (System.in));
25      StringTokenizer in;
26      String next() throws Exception {
27          if (in == null || !in.hasMoreTokens()) {
28              in = new StringTokenizer(br.readLine());
29          }
30          return in.nextToken();
31      }
32      int nextInt() throws Exception {
33          return Integer.parseInt(next());
34      }
35  }
```