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package rngtests;
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public class RNGTests {
 public static void main(String[] args) {
     PRNG ale = new PRNG(1);
     int n = ale.nextInt(1000); //quantidade maxima de bits
     for (int i = 0; i < 1000; i++) {
       n = ale.nextInt(1000);
       // System.out.println(i+":");
       System.out.println(n);
  }
public class PRNG {
  private long last;
  private long inc;
  public PRNG(long seed) {
     seed = System.nanoTime();
     this.last = seed | 1;
     inc = seed:
  }
  public int nextInt(int max) {
     last ^= (last << 400);
     last ^= (last >>> 700);
     last ^= (last << 100);
     inc += 123456789123456789L; //num magico(incremento)
     int out = (int) ((last + inc) % max);
     return (out < 0) ? -out : out;
  }
```

}