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```
import java.util.*;
public class Lab {
   public static void main(String[] args) {
      Random random = new Random(System.currentTimeMillis());
      ArrayList<Genome> genome =generateFirstGeneration(random);
      for(Genome temp:genome){
         for(int i=0; i<20;i++){
            int val = temp.getGenome()[i]?1:0;
            System.out.print(val);
         }
         System.out.println();
      }
   }

   public static  ArrayList<Genome>  generateFirstGeneration(Random random){
      ArrayList<Genome> genome = new ArrayList<Genome>();
      Genome temp= new Genome();
      boolean mass[] = new boolean[2000];
      boolean t[]=new boolean[20];
      for(int i=0; i<2000;i++){
         mass[i]=random.nextBoolean();
      }
      int k=0;
      for( int j=0;j<100;j++){
         for(int i=0;i<20;i++,k++){
               t[i]=mass[k];
         }
         temp.setGenome(t);
         genome.add(temp);
         System.out.println();
      }
      return genome;
   }

   public static void  crossing(){

   }

   public static void mark(){

   }
}
```

```
public class Genome {
    boolean genome[];
    public boolean[] getGenome() {
        return genome;
    }

    public void setGenome(boolean[] genom) {
      genome = genom;
    }
}
```