```
bu
     static int hailstone length (int n) 2
       int length = 0;
       int length = 1;
      white (n != 1) {
       for (int length = 1; n! = 1; length ++) {
                if (n% 2 == 0) {
                        n= n/2;
             Belse if (n 1. 2 == 1) {
                        n = (3*n) + 1;
       return length;
       Static boolean is Long Seq (int n) {
        int length = Hailstone. hailstone Length (n);
        if (length > n) {
              return true;
       return false;
public static double proplany (int n) 2 int total p; int count int total=0; tot count
       for (int i=1; i <= n; i++) {
             if (Hailstone. islong Seq) 2
                  total++;
       return (too ((double) total)/((double) n);
```

```
public class Game Spinner &
   private int num Sectors;
                                I (n this) regular enteredian mis state
   private int run Length;
   private int prev;
        public GameSpinner (int numSectors) {
               this numSectors = numSectors;
               this. run Longth = 0;
                           ++ (1) (1) (1= 1) (1= 1) (1)
        public int spin() {
               int val = Ma (int) (Math.random()* numSectors);
                                 11+ (nxE) = 1
               if (val == prev) {
                   runlength ++;
                    runlength = 1;
              prev = vol; ( ) interest south that south that the
              return val;
        public int currenthum () {
             return this.run Length;
          colored his tratal try Estate the & ( this pie gas stand
```

(15 (side obs) (hotel (extend) month in which