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Sequence.java
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    * HSR - Uebungen 'Algorithmen & Datenstrukturen 1'
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3
4
   package uebung01.ml.aufgabe03;
   import static java.lang.System.out;
   public class Sequence {
12
     public static void main(String[] args) {
13
       for (int n = 1; n <= 5; n++) {
         out.println("n = " + n);
14
          out.println(" recursive: " + recursive(n));
         out.println(" iterative: " + iterative(n));
out.println(" explicit: " + explicit(n));
16
17
18
19
20
21
     static int recursive(int n) {
       if (n == 1)
22
         return 5;
23
24
25
         return recursive(n - 1) + 8;
26
27
     static int iterative(int n) {
28
29
       int a1 = 5;
30
        int sum = 0;
       for (int i = 2; i \le n; i++) {
         sum += 8;
33
34
       return a1 + sum;
35
     static int explicit(int n) {
37
38
       return 8 * n - 3;
39
41
42
   /* Session-Log:
43
45 n = 1
46
     recursive: 5
     iterative: 5
     explicit: 5
49 n = 2
     recursive: 13
     iterative: 13
     explicit: 13
52
53 n = 3
     recursive: 21
54
     iterative: 21
     explicit: 21
56
57 n = 4
     recursive: 29
     iterative: 29
59
     explicit: 29
60
61 n = 5
     recursive: 37
     iterative: 37
63
     explicit: 37
64
65
67
68
```