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RecursiveSum.java

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```
1  /*
2   * HSLU / ICS/AIML : Modul ADS : Algorithmen & Datenstrukturen
3   * Version: Sun Sep 15 12:21:02 CEST 2024
4   */
5
6  package uebung01.as.aufgabe03;
7
8
9  public class RecursiveSum {
10
11      public static int recursiveSum(int n) {
12
13          // TODO: Implement here...
14          return -1;
15      }
16
17
18
19
20      public static void main(String[] args) {
21          int n = 100;
22          System.out.println("Sum of 0..100 recursively          = " +
23              recursiveSum(n));
24          System.out.println("Sum of 0..100 explicitly : n * (n + 1) / 2) = " +
25              (n * (n + 1) / 2));
26      }
27  }
28
29
30  /* Session-Log:
31
32  Sum of 0..100 recursively          = 5050
33  Sum of 0..100 explicitly : n * (n + 1) / 2) = 5050
34
35  */
```