

```
1 C:\Users\isaia\.jdk\openjdk-18\bin\java.exe "-
javaagent:C:\Program Files\JetBrains\IntelliJ IDEA
Community Edition 2021.3.3\lib\idea_rt.jar=57129:C:\
Program Files\JetBrains\IntelliJ IDEA Community
Edition 2021.3.3\bin" -Dfile.encoding=UTF-8 -
classpath C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\out\production\
Module5DocumentationAssignment;C:\Users\isaia\
OneDrive\Desktop\school\SoftwareDevelopment\Module5\
lib\groovy-astbuilder-4.0.2.jar;C:\Users\isaia\
OneDrive\Desktop\school\SoftwareDevelopment\Module5\
lib\groovy-jsr223-4.0.2.jar;C:\Users\isaia\OneDrive\
Desktop\school\SoftwareDevelopment\Module5\lib\groovy
-dateutil-4.0.2.jar;C:\Users\isaia\OneDrive\Desktop\
school\SoftwareDevelopment\Module5\lib\groovy-macro-
library-4.0.2.jar;C:\Users\isaia\OneDrive\Desktop\
school\SoftwareDevelopment\Module5\lib\groovy-ant-4.0
.2.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-contracts-4.0.
2.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-cli-commons-4.
0.2.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-json-4.0.2.jar
;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-docgenerator-4
.0.2.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-cli-picocli-4.
0.2.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-nio-4.0.2.jar;
C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-datetime-4.0.2
.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-groovydoc-4.0.
2.jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-servlet-4.0.2.
jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-testng-4.0.2.
jar;C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-jmx-4.0.2.jar;
C:\Users\isaia\OneDrive\Desktop\school\
SoftwareDevelopment\Module5\lib\groovy-templates-4.0.
```

```
1 2.jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-sql-4.0.2.jar;
  C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-typecheckers-4
  .0.2.jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-toml-4.0.2.jar
  ;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-test-4.0.2.jar
  ;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-test-junit5-4.
  0.2.jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-macro-4.0.2.
  jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-ginq-4.0.2.jar
  ;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-xml-4.0.2.jar;
  C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-swing-4.0.2.
  jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-groovysh-4.0.2
  .jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-console-4.0.2.
  jar;C:\Users\isaia\OneDrive\Desktop\school\
  SoftwareDevelopment\Module5\lib\groovy-4.0.2.jar Main
2 0 Fibonacci iteration: 0 Time: 0 ms
3 1 Fibonacci iteration: 1 Time: 3 ms
4 2 Fibonacci iteration: 1 Time: 3 ms
5 3 Fibonacci iteration: 2 Time: 3 ms
6 4 Fibonacci iteration: 3 Time: 3 ms
7 5 Fibonacci iteration: 5 Time: 3 ms
8 6 Fibonacci iteration: 8 Time: 3 ms
9 7 Fibonacci iteration: 13 Time: 4 ms
10 8 Fibonacci iteration: 21 Time: 4 ms
11 9 Fibonacci iteration: 34 Time: 4 ms
12 10 Fibonacci iteration: 55 Time: 4 ms
13 11 Fibonacci iteration: 89 Time: 4 ms
14 12 Fibonacci iteration: 144 Time: 4 ms
15 13 Fibonacci iteration: 233 Time: 4 ms
16 14 Fibonacci iteration: 377 Time: 4 ms
17 15 Fibonacci iteration: 610 Time: 4 ms
18 16 Fibonacci iteration: 987 Time: 4 ms
```

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19 17 Fibonacci iteration: 1597 Time: 4 ms
20 18 Fibonacci iteration: 2584 Time: 4 ms
21 19 Fibonacci iteration: 4181 Time: 4 ms
22 20 Fibonacci iteration: 6765 Time: 4 ms
23 21 Fibonacci iteration: 10946 Time: 5 ms
24 22 Fibonacci iteration: 17711 Time: 5 ms
25 23 Fibonacci iteration: 28657 Time: 5 ms
26 24 Fibonacci iteration: 46368 Time: 5 ms
27 25 Fibonacci iteration: 75025 Time: 5 ms
28 26 Fibonacci iteration: 121393 Time: 5 ms
29 27 Fibonacci iteration: 196418 Time: 5 ms
30 28 Fibonacci iteration: 317811 Time: 5 ms
31 29 Fibonacci iteration: 514229 Time: 5 ms
32 30 Fibonacci iteration: 832040 Time: 5 ms
33 31 Fibonacci iteration: 1346269 Time: 5 ms
34 32 Fibonacci iteration: 2178309 Time: 5 ms
35 33 Fibonacci iteration: 3524578 Time: 5 ms
36 34 Fibonacci iteration: 5702887 Time: 6 ms
37 35 Fibonacci iteration: 9227465 Time: 6 ms
38 36 Fibonacci iteration: 14930352 Time: 6 ms
39 37 Fibonacci iteration: 24157817 Time: 6 ms
40 38 Fibonacci iteration: 39088169 Time: 6 ms
41 39 Fibonacci iteration: 63245986 Time: 6 ms
42 40 Fibonacci iteration: 102334155 Time: 6 ms
43
44 -----
45
46 0 Fibonacci recursion: 0 Time: 0 ms
47 1 Fibonacci recursion: 1 Time: 0 ms
48 2 Fibonacci recursion: 1 Time: 0 ms
49 3 Fibonacci recursion: 2 Time: 0 ms
50 4 Fibonacci recursion: 3 Time: 1 ms
51 5 Fibonacci recursion: 5 Time: 1 ms
52 6 Fibonacci recursion: 8 Time: 1 ms
53 7 Fibonacci recursion: 13 Time: 1 ms
54 8 Fibonacci recursion: 21 Time: 1 ms
55 9 Fibonacci recursion: 34 Time: 1 ms
56 10 Fibonacci recursion: 55 Time: 1 ms
57 11 Fibonacci recursion: 89 Time: 1 ms
58 12 Fibonacci recursion: 144 Time: 1 ms
59 13 Fibonacci recursion: 233 Time: 1 ms
```

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60 14 Fibonacci recursion: 377 Time: 1 ms
61 15 Fibonacci recursion: 610 Time: 1 ms
62 16 Fibonacci recursion: 987 Time: 1 ms
63 17 Fibonacci recursion: 1597 Time: 1 ms
64 18 Fibonacci recursion: 2584 Time: 2 ms
65 19 Fibonacci recursion: 4181 Time: 2 ms
66 20 Fibonacci recursion: 6765 Time: 2 ms
67 21 Fibonacci recursion: 10946 Time: 2 ms
68 22 Fibonacci recursion: 17711 Time: 2 ms
69 23 Fibonacci recursion: 28657 Time: 2 ms
70 24 Fibonacci recursion: 46368 Time: 3 ms
71 25 Fibonacci recursion: 75025 Time: 3 ms
72 26 Fibonacci recursion: 121393 Time: 5 ms
73 27 Fibonacci recursion: 196418 Time: 6 ms
74 28 Fibonacci recursion: 317811 Time: 7 ms
75 29 Fibonacci recursion: 514229 Time: 9 ms
76 30 Fibonacci recursion: 832040 Time: 13 ms
77 31 Fibonacci recursion: 1346269 Time: 20 ms
78 32 Fibonacci recursion: 2178309 Time: 29 ms
79 33 Fibonacci recursion: 3524578 Time: 46 ms
80 34 Fibonacci recursion: 5702887 Time: 71 ms
81 35 Fibonacci recursion: 9227465 Time: 113 ms
82 36 Fibonacci recursion: 14930352 Time: 180 ms
83 37 Fibonacci recursion: 24157817 Time: 289 ms
84 38 Fibonacci recursion: 39088169 Time: 463 ms
85 39 Fibonacci recursion: 63245986 Time: 728 ms
86 40 Fibonacci recursion: 102334155 Time: 1154 ms
87
88 Process finished with exit code 0
89
```