|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| N, the parameter | Iterative Factorial | Recursive Factorial | Iterative Fibonacci | Recursive Fibonacci**1** | Recursive Fibonacci**2** | Comments/Remarks |
| 3 | 0 | 0 | 0 | 0 | 0 | Runs perfectly ✅ |
| 5 | 0 | 0 | 0 | 0 | 0 | Runs perfectly  ✅ |
| 10 | 0 | 0 | 0 | 0 | 0 | Runs perfectly  ✅ |
| 11 | 0 | 0 | 0 | 0 | 0 | Runs perfectly  ✅ |
| 12 | 0 | 0 | 0 | 0 | 0 | Runs perfectly ✅ |
| 15 | 0 | 0 | 0 | 0 | 0 | Factorial ❌  (overflow) |
| 30 | 0 | 0 | 0 | 0 | 0 | Factorial ❌  (overflow) |
| 50 | 0 | 0 | 0 | --- | 0 | Factorial❌  Fibonaccie ❌  (overflow) |
| 100 | 0 | 0 | 0 | --- | 0 | Factorial ❌  Fibonaccie ❌  (overflow) |
| 1000 | 0 | 0 | 0 | --- | 0 | Factorial ❌  Fibonaccie ❌  (overflow) |
| 10000 | 0 | 0 | 0 | --- | 0 | Factorial ❌  Fibonaccie ❌  (overflow) |
| 100000 | X | X | X | --- | X | Factorial ❌  Fibonaccie ❌  (overflow) |
| 10000000 | X | X | X | --- | X | Factorial ❌  Fibonaccie ❌  (overflow) |

**TASK 1:**