

OBSERVATION REPORT

1. NON-RECURSIVE:

WHEN EXECUTED PRACTICALLY:

Input value(n)	Fib(n) value	Memory footprint
5	5	9224B
500	13942322456169788013972438287040 72839500702565876973072641089629 48325571622863290691557658876222 521294125	9320B

2. RECURSIVE:

WHEN EXECUTED PRACTICALLY:

Input value(n)	Fib(n) value	Memory footprint
5	5	9276B
500	139423224561697880139724382 87040728395007025658769730 72641089629483255716228632 90691557658876222521294125	

■ EXPLANATION:

- In case of recursive algorithm, we have waited for 53 mins ending up with no result.

CONCLUSION:

- “Iterative method” is the efficient way of computing, both in terms of space consumption and time consumption.
- Recursive algorithm is inefficient because it takes much time and space.