



Fibonacci Series in R

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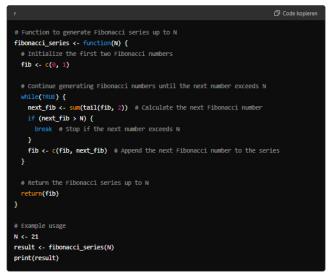
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Please consider this programming problem:

Given a positive integer N. Calculate the Fibonacci series till the number N. If N is a part of the series, include N as well.

Provide an example solution for the problem in the R language.

Certainly! Here's an example solution in R to generate the Fibonacci series up to a given number  $N_{
m c}$ including N if it is a part of the series:



## Explanation:

- 1. Initialize: The series starts with the first two Fibonacci numbers, 0 and 1.
- 2. Generate the series: We continuously calculate the next Fibonacci number by summing the last two numbers in the series. If the next Fibonacci number exceeds N, the loop breaks.
- 3. Result: The function returns the Fibonacci series up to  $N_{\cdot}$

## **Example Output:**

For N=21, the output would be:



₩ D C B P ★~

Ist dieses Gespräch bislang hilfreich? 🔥 🗘 🗴

Team-Arbeitsbereich hinzufügen

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