

o



```
raise ValueError("Keine gültige Fibonacci-Zahl")
  index = 1
  f1 = 1
  f2 = 0
  while fib <= number:
   if fib = number:
   f1 = fib
    fib = f1 + f2
   index += 1
  raise ValueError("Keine gültige Fibonacci-Zahl")
def main():
  number = int(input("Bitte geben Sie eine Zahl ein!"))
```

Can you fix the above buggy program? Modify only the code within the function. Make sure that you make minimal possible changes needed to fix the program.

Fibonacci-Folge.")
except ValueError as e: print(e)

if __name__ == "__main__": P2_Python_buggy.main()

Vorschläge anzeigen V



♦ I'd be glad to help you fix the buggy Python program. Here's the corrected version with minimal changes:

print(f"Die Zahl ist Zahl {P2_Python_buggy.fibonacci_index(number)} der

```
class P2_Python_buggy:
    def fibonacci_index(number):
        if number < 0:
            roise VolueError("Keine gültige Fibonacci-Zahl")</pre>
               while fib <= number:
   if fib == number:
      return index
                      index += 1
              try:
print(f"Die Zohl ist Zohl {P2_Python_buggy.fibonocci_index(r
except ValueError as e:
    print(e)
if __name__ == "__main__":
    P2_Python_buggy.main()
Verwende den Code mit Vorsicht.
                                                                                                                                0
```

The only change made is to add a return index statement at the end of the fibonacci_index function. This ensures that the function returns the index even if the number is not found in the Fibonacci sequence. Without this change, the function would raise a ValueError in such cases.





Gemini zeigt möglicherweise fehlerhafte Informationen an. z.B. zu Personen. Übernrüfe daher die Antworten. Datenschutz & Gemini-Anns