

```

# Define the function to compute the François number
function francois_number(n):
    francois_sequence = [2, 1]
    if n <= 2:
        return francois_sequence[n-1]
    else:
        for i in range(3, n+1):
            fn = francois_sequence[i-2] + francois_sequence[i-3]
            francois_sequence.append(fn)
        return francois_sequence[-1]

# Prompt the user for a number and compute the corresponding François value
print("Enter a number n to compute the nth François value:")
n = int(input())
francois_value = francois_number(n)
print("The", n, "th François value is:", francois_value)

# Trace Table with n = 6 from input

n:      3      4      5      6
i:      3      4      5      6
fn:     3      4      7     11
francois_sequence: [2, 1, 3, 4, 7, 11]

```