

Fibonacci Sequence

Isabella Gransbury
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Problem 1. To determine if Cassini's Identity held for the changing values in the Fibonacci Sequence I first stored the Fibonacci Sequence in a list. Second, I used the list I made and accessed the values that corresponded to values in the left side of Cassini's Identity. Then, using the same index, I tested the left side of Cassini's Identity. Next, I tested the value I got for the left side of the statement to the right side. I concluded that Cassini's Identity does hold for all values of the Fibonacci Sequence for any value greater than F_0 .