



MATH PROBLEM OF THE WEEK

Fall 2023

Problem 4

In the Fibonacci sequence, $1, 1, 2, 3, 5, \dots$ each term after the second is the sum of the previous two terms. How many of the first 100 terms of the Fibonacci sequence are odd?

We welcome solutions from everyone. The undergraduate participant from the NMSU main campus with the most correct solutions at the end of the semester will receive an award of \$500.

Solutions must be mathematically rigorous and originally obtained by the participants. Participants will be notified if their solutions are correct within a week.

Deadline: Monday, October 30, 10 am

Next problem will be posted on October 30

Send solutions to: mathpotw@nmsu.edu

More information at: <https://math.nmsu.edu/activities/math-problem-of-the-week.html>