HW2

October 22, 2024

Name: _____

1. Solve the recurrence $a_n = a_{n-1} + a_{n-2} + \cdots + a_1 + a_0$ with the initial condition $a_0 = 1$.

2. Solve the recurrence $a_n = a_{n-1} + a_{n-3} + a_{n-4} + a_{n-5} + \cdots + a_1 + a_0$ $(n \geq 3)$ with $a_0 = a_1 = a_2 = 1$