Warm-up (do not turn in): Brualdi #7.38(e), #7.13(a, b, c), #7.16

Homework: Brualdi #7.34, #7.42, #7.46, #7.17

A. Let \( g_n = nF_n \), where \( F_n \) is the \( n \)th Fibonacci number. Find a homogeneous linear recurrence (with constant coefficients) satisfied by the sequence \( g_0, g_1, g_2, \ldots \).