

MATH 113: DISCRETE STRUCTURES
HOMEWORK DUE WEDNESDAY WEEK 7

Problem 1. Prove that

$$F_{2n+1} = 3F_{2n-1} - F_{2n-3}$$

for $n \geq 1$. (This gives us a way to compute Fibonacci numbers of odd index without computing those with even index!)

Problem 2. DM:EB 4.2.8.