Quiz 8: November 20, 2018

Left Neighbor:	Right Neighbor:
Name:	Student ID:
Section TA:	

This is a closed book quiz

For the questions below, assume $F_0 = 0, F_1 = 1$, and $F_n = F_{n-1} + F_{n-2}$.

1. (3 points) prove that $F_n < 2^n$ by induction on n.

2. (7 points) prove that $\sum_{i=1}^{n} F_i = F_{n+2} - 1$ by induction on n.