MATH 203: HOMEWORK 6
DUE BY 5PM ON FRIDAY, MARCH 7

1) Read chapters 6 through 10 of Denis Guedj's *The Parrot's Theorem.* Write at least a page (hand-written is OK) but no more than two pages with your reaction to those five chapters and any questions or observations you have about the material contained therein. If you wish, you may look up the work of one of the mathematicians mentioned and write that page on some result/theorem of his/hers that you did not know before.

2) Let $P(n)$ be a statement with a free **integer** variable n. Suppose that we are able to prove $P(0)$ and $\forall n \left[P(n) \rightarrow P(n+1) \wedge P(n-1) \right]$. What would you conclude from these statements? Prove your claim.

HAVE A GREAT SPRING BREAK!