	SYOP
	I had a bit of trouble understanding the concept of
	recursion after watching Lecture 12 and decided to
	research the topic more online. I found a great
	example that clarified my conclusions:
	. Think of recursion in terms of compaind interest,
	With compand interest, the money earned is
	based off of what has accomulated in the
	account, not the initial investment.
	For example, investing \$100 with an interest
A Part of the last	rate of 10% compounded once a year would enfail:
	Years passed 10 1 2 3 4
	Money in Account \$100 \ \$110 \ \$121 \ 9133.10 \ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	Seeing how the amount of money gamed each
	year wasn't a flat \$10 really put the concept
	of recussion into perspective for me. The initial
	condition would be the initial investment of
	\$100 when zero years have passed since the
	investment. The recurrence relation would be
	expressed by multiplying the amont of money
	from the previous year by 1.10 to get the amount
	for next year.

while I was studying the textbook, I come across on exercise that stated
- Explain from to solve a recurrence relation by iteration.

when I saw this, it made me think of iteration
from a computer scrence standpoint using loops.

I know for loops I while loops aren't really
used in math, but here's how I would solve
a recursive relation with the logic of a while loop

declaration of initial condition (i.e. apples = 5)

While (stopping condition is not met):

perform some operation on initial condition

print (result of previous line)

By using this logic, I would have the initial condition and all the terms after it. I could analyze this sequence of terms to find a pattern and solve the recursive relation. I realize this is pretly much what is expected, but I wanted to take a computer-science based approach because that's what I'm more confortable with.