Assignment 1 (/10)

- Due 9/10/2015
 - 1. Heap of Beans (/10)
 - Write a letter to a friend or family member explaining the rules and object of the game, and how to win.
 - * Refer to page 96 of your text for a checklist in writing this and future assignments
 - 2. EXTRA CREDIT: Heap of Beans 2.0 (/1)
 - Let n be a positive whole number that is greater than one (e.g., 2, 3, 4, 5, 6...). Suppose we have a heap of beans with $n \times n$ beans (e.g., 4, 9, 16, 25, 36...). For this game, use the same rules used for Heap of Beans with the extra rule that a player may take up to n-1 beans. For example, if n was 6, there are 36 beans in the pile and each player takes turns taking 1, 2, 3, 4 or 5 beans until there are no more beans. Describe a winning strategy.