### **SIENA COLLEGE**

**29th Annual** High School Programming Contest

##### **April 1, 2016**

###### Problem #1:  Cinco de Mayo Treats

Background Information: The Five & Five Store usually sells chocolate covered peppers for $1. The treats have an aluminum wrapper. To celebrate Cinco de Mayo, the store has a special offer. The chocolate covered peppers are still $1 but they offer a free chocolate covered pepper in exchange for three of the wrappers. So for $1 you can buy 1 chocolate covered pepper, for $2 you can buy 2, for $3 you can get 4 by buying three and trading in the wrappers, for $4 you can get 5, for $5 you can get 7 … for $100 you can get 149. In general, for $N you can get $\left⌊\frac{3N-1}{2}\right⌋$ chocolate covered peppers.

The store would like an app that computes the number of chocolate covered peppers a customer will get for $N. Your app/program may use the above formula which truncates or rounds down ((3N - 1) / 2).

###### Programming Problem:

Input:  A positive integer N less than or equal to 1,000,000

Output: The maximum number of chocolate covered peppers a customer can get for $N.

###### Example 1: Input:  1

######  Output:  1

###### Example 2: Input:  7

######  Output:  10

###### Example 3:  Input:  100

###### Output:  149