CS 151: Mathematical Foundations of Computing
Extra Credit Assignment 03

This assignment must be submitted on *Gradescope* and is due <u>Sunday, February 04, at 11:59PM (Central Time)</u>.

This assignment is <u>optional</u> and will count towards extra credit.

Prove the following statement using a *direct proof*.

1. **If $m + n$ and $n + p$ are odd integers, where m, n, and p are integers, then $m + p$ is even.**