**Assignment 3 – Week 5.**

**Simplifying a Boolean Expression.**

Simplify the following expression:

/(A+B)./(C+D+E)+/(A+B)

* 1. Apply De Morgan’s Theorem [ /(A+B) = /A./B ]

(/A./B).(/C./D./E)+(/A./B)

* 1. Apply Absorption Law [ A + (A.B) = A ]

/A./B