**Reading (VIPERS FORM)**

Use this form to record key ideas from reading to prepare for the lessons.  make sure you upload the completed form in TEAMS (Reading section)

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| Topic you prepared: | Links used: |
| Boolean Algebra- Boolean Simplification | https://youtu.be/43MVorZRtE0?list=PLCiOXwirraUBj7HtVHfNZsnwjyZQj97da |

Terms: Write any new technical term and their meaning, add more rows if needed.

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| **Terms** | **Meaning** |
| De Morgans Law | Simplifying Boolean expressions by inverting all the variables, then invert the whole expression |
| Double Negation | If you reverse something twice, you end up back where you started e.g. NOT NOT A =A |
| Commutation | Two applications can be in any order. e.g. A V B = B V A |
| Distribution | Allows us to multiply or factor out an expression.  OR distribution rule:  A . (B+C) = (A . B) + (A . C)  AND distribution rule:  A +(B . C) = (A + B) . (A + C) |

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| **What can we understand from the topic?** |
| We can understand that Boolean Algebra can be simplified in many different ways. |

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| **How this topic linked to other previous topics ? What conclusions can we draw from this topic?** |
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| **What are the strengths / applications of this topic? (e.g. accuracy, steps of calculations, time or space complexity, used when …., hardware and software needs, ethical or legal issues, ….etc.)** |
| It can be used in programming when you have to chose between two variables. |

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| **What are the limitations / drawbacks of this this topic (e.g. problems, limited accuracy, too many steps, too complex, cannot be used when, hardware requirements, ethical and legal issues, ….. etc.)** |
| It may get confusing as there are many symbols that mean the same thing. e.g. (V and +) both mean OR |

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| **Write a summary of the topic in 50 words** |
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