9. Write a short summary of the contributions of De Morgan. Augurus De Morgan was born in Jone 27, 1806 in Nadure India and he died on March 18, 1871 in Kondon, England. He was an English Mathematician and logician whose mojor contribution to the study of logic including the formation of De-Morganis law and the theory of relation of the vise of modern symbolic or mathematical logic. 10. The NAND gate is the same as the Bubbled or gate Cie gate with complemented inputs). Explain with the DE Morgan's Draw diagram De Morgan's law second theorem states, I the NAND gate is equivalent to a bubbled or gate! The Boolean expression for the NAND-gate is given by the equation chown below. Z = A.B > Z = (A.13) for ORgato, Z = A B = (A'+B') Since, NAND and bubbled orgates one interchangeable ie both gates have identical outputs for the same set of inputs. Therefore, the equations become as given below AB = A+B. This equation is known as De-Morganis second theorem.