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Input Variable Bypass or IVB Technique for Logic Functions Simplification

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Abstract:
In this article a novel simplification technique has been proposed. The input variable bypass technique or IVB technique is proposed for logic function simplification, which is used to minimize the logic functions very easily. If any output equation is simplified from the truth table and this output equation is the function of a few variables, then others output equations can be simplified from the previous output function. One can be neglect or bypass the used input variable for logic simplification.

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