Hardware Driven Approach for Enhancing C’s Operators’ Library So to Increase C’s Functional Capability

Abstract

The paper published earlier entitled "An approach for swapping process through enclose of swap operator in the C language operators library" gives an idea how an operator could be added to a C operators' library [1]. The concept presented in this paper could be extended to add other operators to the library of operators that serve purpose similar to the swap operator. This time operators are being designed to serve some special mathematical operations for which we do not have an operator directly. To be specific, we are presenting basically the hardware designs for a few mathematical operators with the flowchart for explaining how they work. These operators are factorial, permutation and combination...
operators.

References

- "An approach for swapping process through enclose of a swap operator in C language operators’ library" by Abhishek Garg
- "Computer System Architecture" by M. Morris Mano, Third Edition
- "Digital Logic Design" by M. Morris Mano.

Index Terms

Computer Science  Programming Languages

Keywords

Factorial operator  Permutation operator  Combination operator  Hardware  Mnemonic