ABSTRACT

Translator is an automatic solution for translating process of programmatic source code from a source language to a target language. Translator Pascal to C runs to do parsing source code, then it applies the rule of translating. In addition, it presents the result of the target translation. Translator Pascal to C is able to optimize the time needed for users to carry out translation of Pascal to C.

The intoducing and translating function can be created accurately. To gain the rule of translating needs to be compared the syntactic rule from C and Pascal. The grammmar elements that must be explored are the structure of programme, the customs declarations(variable, type, constancy, etc), an expression, a statement, the regulation of the object naming of programme, etc. Using algorithm with fitting string, Boyer-Moore algorithm becomes an important option in translating process. The similarities between Pascal and C enables both of them to be translated each other completely.

Moreover, Pascal and C are an introduction language for the beginner programmers. The first value can influence the end one very much. If in the beginning there have been the difficulties, they will cause many issues around the programming knowledge to the beginner ones next time. Compounding the value of translator that is connected to the mastery improvement of the base programming knowledge, Hopefully it can be created a translator application with the superiority of academic point of view.

Keywords : Translator, Pascal, Parsing, C, Boyer-Moore