Illustration for Modification

This new version does some optimizations for the following parts:

(1) The function called *split_file* could not only split the large XML file into several parts, but also keep the split XML file in memory instead of saving them into files.

(2) In splitting phase, the program could skip the default size to look for the next open angle bracket, and then form a string array which could be processed by many threads simultaneously.

(3) Adding the execution time of sequential version (the default one, not the one with #thread=1) to the performance test result. In this case, we can use that as the baseline to compare.

(4) Using "gcc -O3" instead of "gcc -o" to compile the source code. This new command could do some optimization when compiling, then the execution file would cost less time while running.

(5) Making some adjustments to the source code, reducing unnecessary and unreasonable parts in some functions such as *push, pop, xml_process* to improve the overall performance of the whole program.