**Bug ID**: 002  
**Title**: System crashed when input file contain character \_ within the keyword   
**Reported Time**: 2013-03-18 16:00 HKT **Reported User**: LIAO Shun **Vender**: HW **Product**: Code-Similarity **Versions**: 0.2  
**Platform**: PC Microsoft Windows 7 x86  
**Severity**: Critical **Updated**: 2013-03-23 19:25 HKT  
**Status**: Closed **Assigned to**: YUAN Siyan

**Problem:**Instructions:  
When I followed the instructions in the readme file: input two paths of the file into the program. The program simply crashed.

>java -jar cs.jar

Please enter original name: H:\original.c

Please enter target name: H:\target.c

Unexpected Result:  
LineByLine Comparar : 66.67%

Exception in thread "main" java.lang.StringIndexOutOfBoundsException: String index out of range: 3

at java.lang.String.charAt(String.java:658)

at java.util.regex.Matcher.appendReplacement(Matcher.java:762)

at edu.hkcity.cs.Utility.replace(Utility.java:208)

at edu.hkcity.cs.FuncByFuncComparar.compare(FuncByFuncComparar.java:64)

at edu.hkcity.cs.Input.getInput(Input.java:92)

at edu.hkcity.cs.Main.main(Main.java:13)

**Bug description after analysis or fixed:**LEI Xihan 2013-03-02 12:18 HKT  
The input files are in the appendix.  
  
[Solved]YUAN Siyan 2013-03-10 19:25 HKT

It seems that the stack is overflowed when executing Utility::replace() function. After check the stack status during execution and the input source, the error occurs when handling the special escaping character, “\”. The Problem solved by erasing the “\” from the input string.

Appendix:

original.c  
<<< START

int main() {

printf("Hello World\n");

}

<<<EOF

target.c  
<<< START

int main() {

printf("Sorry World\n");

}

<<<EOF