

实验预处理

实验计划实施

单次覆盖

植入Bug

18次覆盖

Gcov -b

语句覆盖

分支覆盖

指令预备

Gcov

Sed

正则表达式处理

```
-P ["\2" .. /inputs/grep1.dat]
-P ["\3" .. /inputs/grep1.dat]
-P ["\4" .. /inputs/grep1.dat]
-P ["\5" .. /inputs/grep1.dat]
-P ["\6" .. /inputs/grep1.dat]
-P ["\7" .. /inputs/grep1.dat]
-P ["\8" .. /inputs/grep1.dat]
-P ["\9" .. /inputs/grep1.dat]
-P ["\" .. /inputs/grep1.dat]
-P ["if)" .. /inputs/grep1.dat]
-P ["[a-z]\)" .. /inputs/grep1.dat]
-P ["{(" .. /inputs/grep1.dat]
-P ["a{" .. /inputs/grep1.dat]
-P ["[1-9]\{" .. /inputs/grep1.dat]
```

```
./grep.exe -0 12345 ../../inputs/grep1.dat > ./outputs/t1;
./grep.exe -1 12345 ../../inputs/grep1.dat > ./outputs/t2;
./grep.exe -2 12345 ../../inputs/grep1.dat > ./outputs/t3;
./grep.exe -3 12345 ../../inputs/grep1.dat > ./outputs/t4;
./grep.exe -4 12345 ../../inputs/grep1.dat > ./outputs/t5;
./grep.exe -5 12345 ../../inputs/grep1.dat > ./outputs/t6;
./grep.exe -6 12345 ../../inputs/grep1.dat > ./outputs/t7;
./grep.exe -7 12345 ../../inputs/grep1.dat > ./outputs/t8;
./grep.exe -8 12345 ../../inputs/grep1.dat > ./outputs/t9;
./grep.exe -9 12345 ../../inputs/grep1.dat > ./outputs/t10;
./grep.exe -f 12345 ../../inputs/grep1.dat > ./outputs/t11;
```

自动化测试

数据提取

可视化分析

