The avalanche test was carried out in the following steps:

1. The files were encrypted using different keys which generated different encrypted files.
2. We the proceed to the percentage of difference in the files using the diff terminal utility tool “**diff -B -b -s File1.txt File2.txt | wc** ” which returns the total number of difference **T**.
3. We use the -B and -b flags to ignore blank spaces and -s removes the similar lines.
4. After taking the average difference in encrypting the files we arrived at the average of 68% avalanche score

|  |  |
| --- | --- |
| Before Upload |  |
| Settings 1-3 | 12.5 |
| Settings 1-4 | 54.7 |
| Settings 1-5 | 260.8 |
| Settings 1-6 | 570.3 |
| After Download |  |
| Settings 2-3 | 14.3 |
| Settings 2-4 | 53.5 |
| Settings 2-5 | 263 |
| Settings 2-6 | 560.5 |