|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Nist Test Sonuçları** | **Newdata0** | **Newdata1** | **Newdata2** | **Newdata3** | **Newdata4** |
| monobit\_test | 0.73386 | 0,22936 | 0.5273 | 0.93464 | 0.73386 |
| frequency\_within\_block\_test | 0.34849 | 0.027554 | 0.39563 | 0.10243 | 0.17512 |
| runs\_test | 0.74603 | 0.53885 | 0.80383 | 0.41909 | 0.86084 |
| longest\_run\_ones\_in\_a\_block\_test | 0.69351 | 0.83041 | 0.79154 | 0.59795 | 0.39965 |
| binary\_matrix\_rank\_test | 0.5016 | 0.6442 | 0.3253 | 0.1029 | 0.6747 |
| dft\_test | 0.20211 | 0.62022 | 0.11239 | 0.94148 | 0.58191 |
| non\_overlapping\_template\_matching\_test | 0.56737 | 0.0061187 | 0.93943 | 0.55704 | 0.051332 |
| overlapping\_template\_matching\_test | 0.5839 | 0.5839 | 0.5839 | 0.5839 | 0.5839 |
| maurers\_universal\_test | 0.56822 | 0.56973 | 0.56898 | 0.56877 | 0.56974 |
| linear\_complexity\_test | 0.51804 | 0.9815 | 0.1545 | 0.0773 | 0.56974 |
| serial\_test | 0.89558 | 0.40167 | 0.79417 | 0.71907 | 0.034534 |
| approximate\_entropy\_test | 0.6806 | 0.1426 | 0.8709 | 0.1426 | 0.6180 |
| cumulative\_sums\_test | 0.6810 | 0.1153 | 0.5247 | 0.05114 | 0.0090 |
| random\_excursion\_test | 0.77192 | 0.46627 | 0.85344 | 0.63366 | 0.78924 |
| random\_excursion\_variant\_test | 0.87559 | 0.27014 | 0.06787 | 0.87994 | 0.53627 |
| **Toplam Başarı Sayısı** | **15** | **14** | **15** | **15** | **14** |

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| **KiKare Test Sonucu:** | 14.051200000000001 |

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| **Otokorelasyon test sonuçları** | |
| X\_5 for d=64: | 0.0016881080389144906 |
| X\_5 for d=128: | -0.0007620975484862062 |
| X\_5 for d=256: | 0.0017964598937327957 |