

Testbericht: NIST Zufallstest
 Datensatz: 100 MBIT Quantenzufallszahlen
 Datum: 08.05.2009
 Parameter: Alpha=0,001
 Lab-user: P.Bronner
 Universitat Erlangen, Didaktik der Physik

 RESULTS FOR THE UNI FORMITY OF P-VALUES AND THE PROPORTION OF PASSING SEQUENCES

generator is <08.05.2009-20.15.40a.100000000bits.txt>

| C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | P-VALUE | PROPORTION | STATISTICAL TEST |
|----|----|----|----|----|----|----|----|----|-----|----------|------------|------------------------|
| 12 | 15 | 13 | 10 | 6 | 11 | 7 | 15 | 4 | 7 | 0.145326 | 0.9900 | Frequency |
| 10 | 11 | 10 | 7 | 16 | 13 | 12 | 10 | 4 | 7 | 0.319084 | 1.0000 | BlockFrequency |
| 12 | 11 | 18 | 9 | 5 | 7 | 9 | 9 | 10 | 10 | 0.304126 | 0.9900 | CumulativeSums |
| 14 | 8 | 16 | 9 | 9 | 10 | 10 | 10 | 7 | 7 | 0.574903 | 0.9900 | CumulativeSums |
| 9 | 8 | 8 | 7 | 16 | 6 | 19 | 7 | 9 | 11 | 0.062821 | 1.0000 | Runs |
| 10 | 11 | 9 | 6 | 9 | 11 | 14 | 9 | 11 | 10 | 0.924076 | 1.0000 | LongestRun |
| 12 | 6 | 10 | 6 | 14 | 14 | 8 | 12 | 5 | 13 | 0.275709 | 1.0000 | Rank |
| 1 | 4 | 4 | 11 | 10 | 12 | 16 | 14 | 16 | 12 | 0.002971 | 1.0000 | FFT |
| 10 | 11 | 13 | 14 | 4 | 6 | 8 | 9 | 14 | 11 | 0.350485 | 1.0000 | NonOverlappingTemplate |
| 7 | 5 | 11 | 5 | 13 | 17 | 9 | 13 | 13 | 7 | 0.102526 | 1.0000 | NonOverlappingTemplate |
| 12 | 8 | 8 | 13 | 11 | 20 | 6 | 12 | 6 | 4 | 0.021999 | 0.9900 | NonOverlappingTemplate |
| 9 | 9 | 3 | 8 | 11 | 8 | 10 | 18 | 8 | 16 | 0.058984 | 1.0000 | NonOverlappingTemplate |
| 10 | 5 | 8 | 8 | 10 | 14 | 11 | 12 | 10 | 12 | 0.759756 | 1.0000 | NonOverlappingTemplate |
| 8 | 12 | 3 | 14 | 11 | 10 | 14 | 14 | 7 | 7 | 0.191687 | 1.0000 | NonOverlappingTemplate |
| 8 | 11 | 9 | 11 | 10 | 9 | 13 | 7 | 13 | 9 | 0.935716 | 1.0000 | NonOverlappingTemplate |
| 7 | 10 | 6 | 9 | 15 | 9 | 14 | 12 | 8 | 10 | 0.574903 | 1.0000 | NonOverlappingTemplate |
| 10 | 8 | 13 | 8 | 11 | 9 | 14 | 9 | 9 | 9 | 0.924076 | 0.9900 | NonOverlappingTemplate |
| 11 | 6 | 11 | 9 | 8 | 14 | 12 | 8 | 15 | 6 | 0.455937 | 1.0000 | NonOverlappingTemplate |
| 12 | 10 | 10 | 13 | 9 | 5 | 10 | 10 | 7 | 14 | 0.699313 | 1.0000 | NonOverlappingTemplate |
| 7 | 13 | 11 | 10 | 11 | 13 | 8 | 9 | 8 | 10 | 0.924076 | 1.0000 | NonOverlappingTemplate |
| 9 | 13 | 8 | 21 | 7 | 10 | 9 | 8 | 8 | 7 | 0.062821 | 1.0000 | NonOverlappingTemplate |
| 11 | 12 | 9 | 11 | 10 | 13 | 8 | 11 | 11 | 4 | 0.759756 | 1.0000 | NonOverlappingTemplate |
| 13 | 4 | 13 | 11 | 12 | 5 | 11 | 14 | 10 | 7 | 0.275709 | 1.0000 | NonOverlappingTemplate |
| 10 | 9 | 13 | 11 | 10 | 13 | 4 | 6 | 15 | 9 | 0.366918 | 1.0000 | NonOverlappingTemplate |
| 10 | 8 | 13 | 12 | 16 | 8 | 5 | 10 | 6 | 12 | 0.334538 | 1.0000 | NonOverlappingTemplate |
| 13 | 13 | 6 | 8 | 9 | 14 | 8 | 4 | 14 | 11 | 0.262249 | 1.0000 | NonOverlappingTemplate |

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|----|----|----|----|----|----|----|----|----|----|----------|--------|---------------------------|
| 12 | 7 | 8 | 14 | 11 | 9 | 10 | 7 | 11 | 11 | 0.867692 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 9 | 14 | 11 | 9 | 12 | 13 | 8 | 9 | 8 | 0.834308 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 5 | 11 | 6 | 11 | 10 | 12 | 12 | 13 | 10 | 0.739918 | 0.9900 | NonOverl appi ngTempl ate |
| 9 | 10 | 5 | 12 | 9 | 12 | 10 | 11 | 9 | 13 | 0.867692 | 0.9900 | NonOverl appi ngTempl ate |
| 14 | 8 | 3 | 7 | 13 | 15 | 10 | 10 | 8 | 12 | 0.213309 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 12 | 9 | 12 | 6 | 12 | 10 | 7 | 12 | 8 | 0.834308 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 14 | 15 | 12 | 4 | 6 | 9 | 13 | 9 | 9 | 0.275709 | 1.0000 | NonOverl appi ngTempl ate |
| 14 | 6 | 9 | 11 | 16 | 10 | 7 | 11 | 8 | 8 | 0.455937 | 1.0000 | NonOverl appi ngTempl ate |
| 6 | 11 | 8 | 10 | 14 | 8 | 9 | 15 | 10 | 9 | 0.657933 | 0.9900 | NonOverl appi ngTempl ate |
| 7 | 9 | 15 | 9 | 12 | 9 | 9 | 12 | 8 | 10 | 0.834308 | 0.9900 | NonOverl appi ngTempl ate |
| 12 | 9 | 4 | 19 | 9 | 7 | 13 | 12 | 9 | 6 | 0.062821 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 15 | 12 | 9 | 6 | 8 | 10 | 9 | 11 | 10 | 0.816537 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 7 | 14 | 13 | 8 | 6 | 9 | 13 | 7 | 14 | 0.437274 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 12 | 10 | 10 | 10 | 15 | 6 | 6 | 8 | 11 | 0.637119 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 11 | 13 | 9 | 6 | 10 | 13 | 11 | 8 | 9 | 0.897763 | 0.9900 | NonOverl appi ngTempl ate |
| 10 | 7 | 10 | 11 | 13 | 11 | 10 | 7 | 7 | 14 | 0.798139 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 14 | 6 | 10 | 10 | 8 | 17 | 8 | 6 | 9 | 0.275709 | 1.0000 | NonOverl appi ngTempl ate |
| 14 | 6 | 8 | 13 | 12 | 10 | 9 | 14 | 8 | 6 | 0.474986 | 1.0000 | NonOverl appi ngTempl ate |
| 14 | 8 | 11 | 9 | 9 | 10 | 12 | 6 | 10 | 11 | 0.883171 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 11 | 15 | 13 | 4 | 13 | 12 | 9 | 8 | 7 | 0.334538 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 5 | 7 | 11 | 9 | 13 | 11 | 15 | 11 | 7 | 0.514124 | 1.0000 | NonOverl appi ngTempl ate |
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| 14 | 10 | 10 | 13 | 10 | 7 | 11 | 8 | 3 | 14 | 0.319084 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 12 | 12 | 10 | 10 | 11 | 6 | 8 | 14 | 7 | 0.798139 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 11 | 10 | 8 | 10 | 7 | 14 | 9 | 12 | 10 | 0.935716 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 9 | 11 | 10 | 8 | 8 | 8 | 11 | 13 | 11 | 0.978072 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 12 | 12 | 11 | 12 | 13 | 8 | 6 | 5 | 12 | 0.616305 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 10 | 13 | 9 | 8 | 12 | 12 | 7 | 13 | 7 | 0.834308 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 11 | 7 | 9 | 10 | 9 | 10 | 7 | 17 | 10 | 0.637119 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 12 | 11 | 6 | 15 | 9 | 12 | 9 | 8 | 11 | 0.678686 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 8 | 14 | 15 | 8 | 10 | 11 | 15 | 9 | 2 | 0.108791 | 1.0000 | NonOverl appi ngTempl ate |
| 3 | 12 | 12 | 7 | 9 | 16 | 4 | 8 | 18 | 11 | 0.013569 | 1.0000 | NonOverl appi ngTempl ate |
| 14 | 5 | 8 | 15 | 11 | 9 | 9 | 8 | 5 | 16 | 0.129620 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 11 | 12 | 15 | 7 | 11 | 9 | 9 | 7 | 11 | 0.779188 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 14 | 9 | 8 | 14 | 13 | 6 | 6 | 12 | 7 | 0.419021 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 9 | 13 | 14 | 11 | 13 | 13 | 4 | 7 | 7 | 0.350485 | 0.9900 | NonOverl appi ngTempl ate |
| 12 | 7 | 8 | 11 | 14 | 12 | 13 | 3 | 11 | 9 | 0.366918 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 16 | 8 | 9 | 11 | 8 | 4 | 12 | 12 | 13 | 0.289667 | 1.0000 | NonOverl appi ngTempl ate |
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| 5 | 15 | 6 | 9 | 14 | 13 | 6 | 13 | 11 | 8 | 0.202268 | 1.0000 | NonOverl appi ngTempl ate |
| 6 | 4 | 5 | 10 | 10 | 18 | 16 | 14 | 10 | 7 | 0.016717 | 0.9900 | NonOverl appi ngTempl ate |
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|----|----|----|----|----|----|----|----|----|----|----------|--------|---------------------------|
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| 5 | 13 | 7 | 16 | 12 | 9 | 7 | 13 | 9 | 9 | 0.319084 | 1.0000 | NonOverl appi ngTempl ate |
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| 10 | 12 | 8 | 7 | 17 | 5 | 9 | 12 | 10 | 10 | 0.383827 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 8 | 11 | 9 | 10 | 11 | 12 | 9 | 8 | 11 | 0.994250 | 1.0000 | NonOverl appi ngTempl ate |
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| 11 | 12 | 8 | 7 | 12 | 7 | 7 | 7 | 14 | 15 | 0.437274 | 1.0000 | NonOverl appi ngTempl ate |
| 18 | 13 | 10 | 4 | 12 | 3 | 7 | 9 | 10 | 14 | 0.026948 | 0.9900 | NonOverl appi ngTempl ate |
| 12 | 13 | 11 | 8 | 8 | 12 | 3 | 16 | 9 | 8 | 0.236810 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 11 | 13 | 14 | 4 | 6 | 8 | 11 | 12 | 11 | 0.455937 | 1.0000 | NonOverl appi ngTempl ate |
| 13 | 9 | 7 | 6 | 11 | 9 | 10 | 15 | 14 | 6 | 0.401199 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 8 | 8 | 10 | 10 | 8 | 14 | 6 | 14 | 10 | 0.699313 | 1.0000 | NonOverl appi ngTempl ate |
| 19 | 7 | 11 | 13 | 11 | 3 | 13 | 6 | 11 | 6 | 0.023545 | 1.0000 | NonOverl appi ngTempl ate |
| 17 | 12 | 13 | 15 | 8 | 6 | 8 | 7 | 7 | 7 | 0.129620 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 11 | 10 | 8 | 10 | 10 | 10 | 14 | 7 | 11 | 0.955835 | 1.0000 | NonOverl appi ngTempl ate |
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| 9 | 10 | 13 | 10 | 10 | 14 | 11 | 8 | 5 | 10 | 0.779188 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 10 | 12 | 3 | 14 | 10 | 10 | 16 | 9 | 6 | 0.202268 | 1.0000 | NonOverl appi ngTempl ate |
| 13 | 11 | 7 | 10 | 8 | 12 | 8 | 14 | 12 | 5 | 0.574903 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 9 | 12 | 12 | 15 | 10 | 13 | 6 | 10 | 4 | 0.383827 | 0.9900 | NonOverl appi ngTempl ate |
| 8 | 15 | 5 | 6 | 9 | 18 | 6 | 7 | 6 | 20 | 0.001112 | 1.0000 | NonOverl appi ngTempl ate |
| 6 | 14 | 7 | 12 | 9 | 12 | 5 | 9 | 12 | 14 | 0.383827 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 8 | 6 | 7 | 9 | 13 | 10 | 13 | 10 | 13 | 0.759756 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 7 | 13 | 8 | 12 | 12 | 14 | 10 | 8 | 7 | 0.739918 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 15 | 8 | 14 | 5 | 15 | 17 | 10 | 5 | 4 | 0.010988 | 0.9900 | NonOverl appi ngTempl ate |
| 6 | 7 | 11 | 15 | 12 | 11 | 12 | 7 | 9 | 10 | 0.637119 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 13 | 12 | 8 | 14 | 11 | 8 | 8 | 7 | 11 | 0.779188 | 0.9900 | NonOverl appi ngTempl ate |
| 8 | 10 | 7 | 10 | 9 | 9 | 7 | 8 | 16 | 16 | 0.350485 | 0.9900 | NonOverl appi ngTempl ate |
| 7 | 13 | 7 | 10 | 11 | 16 | 10 | 8 | 10 | 8 | 0.616305 | 0.9900 | NonOverl appi ngTempl ate |
| 10 | 12 | 13 | 4 | 14 | 9 | 13 | 6 | 9 | 10 | 0.419021 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 7 | 12 | 11 | 11 | 9 | 10 | 9 | 10 | 10 | 0.994250 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 11 | 7 | 8 | 7 | 10 | 6 | 13 | 14 | 13 | 0.595549 | 1.0000 | NonOverl appi ngTempl ate |
| 6 | 10 | 21 | 13 | 6 | 17 | 10 | 3 | 10 | 4 | 0.000513 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 11 | 7 | 15 | 7 | 11 | 13 | 6 | 11 | 10 | 0.616305 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 15 | 16 | 10 | 9 | 11 | 8 | 8 | 11 | 5 | 0.304126 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 6 | 13 | 10 | 14 | 10 | 11 | 8 | 11 | 8 | 0.816537 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 9 | 5 | 9 | 11 | 9 | 14 | 15 | 11 | 8 | 0.574903 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 12 | 10 | 6 | 11 | 12 | 9 | 10 | 12 | 7 | 0.911413 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 15 | 9 | 8 | 10 | 13 | 3 | 14 | 9 | 11 | 0.275709 | 0.9900 | NonOverl appi ngTempl ate |

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|----|----|----|----|----|----|----|----|----|----|----------|--------|---------------------------|
| 7 | 9 | 16 | 12 | 13 | 6 | 6 | 9 | 12 | 10 | 0.383827 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 9 | 8 | 6 | 11 | 7 | 6 | 10 | 15 | 16 | 0.262249 | 1.0000 | NonOverl appi ngTempl ate |
| 4 | 8 | 8 | 11 | 7 | 12 | 15 | 12 | 9 | 14 | 0.319084 | 1.0000 | NonOverl appi ngTempl ate |
| 15 | 5 | 6 | 18 | 9 | 9 | 11 | 10 | 8 | 9 | 0.129620 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 3 | 8 | 10 | 9 | 13 | 9 | 18 | 6 | 15 | 0.048716 | 1.0000 | NonOverl appi ngTempl ate |
| 15 | 10 | 9 | 3 | 10 | 11 | 14 | 14 | 4 | 10 | 0.108791 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 6 | 11 | 10 | 7 | 11 | 7 | 13 | 14 | 13 | 0.595549 | 1.0000 | NonOverl appi ngTempl ate |
| 6 | 9 | 12 | 10 | 9 | 3 | 8 | 15 | 18 | 10 | 0.058984 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 8 | 7 | 18 | 10 | 7 | 5 | 13 | 8 | 12 | 0.153763 | 0.9900 | NonOverl appi ngTempl ate |
| 13 | 12 | 14 | 9 | 9 | 7 | 14 | 6 | 7 | 9 | 0.514124 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 11 | 11 | 9 | 8 | 12 | 8 | 9 | 13 | 9 | 0.978072 | 1.0000 | NonOverl appi ngTempl ate |
| 5 | 12 | 8 | 12 | 11 | 7 | 15 | 10 | 9 | 11 | 0.595549 | 1.0000 | NonOverl appi ngTempl ate |
| 2 | 13 | 5 | 11 | 13 | 14 | 10 | 17 | 4 | 11 | 0.012650 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 12 | 10 | 12 | 11 | 9 | 8 | 10 | 9 | 7 | 0.971699 | 0.9900 | NonOverl appi ngTempl ate |
| 10 | 14 | 13 | 8 | 10 | 8 | 11 | 7 | 10 | 9 | 0.883171 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 9 | 12 | 12 | 9 | 9 | 16 | 10 | 7 | 8 | 0.699313 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 9 | 13 | 10 | 8 | 12 | 14 | 4 | 11 | 8 | 0.574903 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 11 | 13 | 11 | 12 | 9 | 7 | 6 | 8 | 14 | 0.719747 | 0.9900 | NonOverl appi ngTempl ate |
| 5 | 5 | 13 | 13 | 13 | 9 | 14 | 11 | 12 | 5 | 0.191687 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 7 | 7 | 13 | 9 | 11 | 11 | 17 | 9 | 9 | 0.437274 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 7 | 12 | 8 | 8 | 12 | 11 | 10 | 13 | 9 | 0.935716 | 0.9900 | NonOverl appi ngTempl ate |
| 3 | 11 | 7 | 8 | 18 | 9 | 8 | 7 | 15 | 14 | 0.032923 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 3 | 6 | 12 | 9 | 14 | 10 | 10 | 14 | 10 | 0.304126 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 12 | 10 | 12 | 9 | 10 | 15 | 5 | 9 | 11 | 0.637119 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 13 | 10 | 8 | 7 | 6 | 12 | 9 | 13 | 14 | 0.616305 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 10 | 7 | 13 | 6 | 13 | 10 | 8 | 10 | 14 | 0.699313 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 12 | 15 | 9 | 13 | 10 | 13 | 5 | 8 | 6 | 0.401199 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 11 | 11 | 10 | 10 | 6 | 11 | 4 | 14 | 12 | 0.574903 | 1.0000 | NonOverl appi ngTempl ate |
| 14 | 13 | 8 | 11 | 12 | 6 | 10 | 9 | 12 | 5 | 0.534146 | 0.9900 | NonOverl appi ngTempl ate |
| 8 | 9 | 8 | 14 | 14 | 6 | 8 | 15 | 7 | 11 | 0.383827 | 1.0000 | NonOverl appi ngTempl ate |
| 11 | 9 | 5 | 10 | 9 | 12 | 13 | 10 | 16 | 5 | 0.334538 | 1.0000 | NonOverl appi ngTempl ate |
| 12 | 9 | 11 | 11 | 13 | 10 | 7 | 7 | 13 | 7 | 0.816537 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 6 | 10 | 8 | 15 | 5 | 11 | 19 | 6 | 11 | 0.048716 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 11 | 12 | 9 | 14 | 12 | 12 | 7 | 7 | 9 | 0.759756 | 1.0000 | NonOverl appi ngTempl ate |
| 8 | 9 | 11 | 13 | 11 | 8 | 10 | 9 | 10 | 11 | 0.987896 | 1.0000 | NonOverl appi ngTempl ate |
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| 7 | 8 | 14 | 9 | 14 | 7 | 6 | 14 | 11 | 10 | 0.455937 | 0.9900 | NonOverl appi ngTempl ate |
| 10 | 6 | 8 | 9 | 8 | 8 | 18 | 17 | 10 | 6 | 0.071177 | 1.0000 | NonOverl appi ngTempl ate |
| 10 | 8 | 10 | 8 | 12 | 12 | 7 | 10 | 9 | 14 | 0.897763 | 0.9900 | NonOverl appi ngTempl ate |
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| 10 | 9 | 16 | 10 | 10 | 6 | 10 | 8 | 8 | 13 | 0.637119 | 1.0000 | NonOverl appi ngTempl ate |
| 9 | 10 | 12 | 9 | 12 | 11 | 9 | 11 | 9 | 8 | 0.994250 | 1.0000 | NonOverl appi ngTempl ate |
| 7 | 4 | 9 | 10 | 13 | 7 | 13 | 13 | 11 | 13 | 0.419021 | 1.0000 | NonOverl appi ngTempl ate |

| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----------|--------|---------------------------|
| 12 | 13 | 11 | 8 | 8 | 12 | 3 | 16 | 9 | 8 | 0.236810 | 1.0000 | NonOverl appi ngTempl ate |
| 14 | 11 | 7 | 6 | 10 | 11 | 13 | 12 | 7 | 9 | 0.678686 | 1.0000 | Overl appi ngTempl ate |
| 17 | 13 | 6 | 14 | 12 | 4 | 8 | 9 | 10 | 7 | 0.108791 | 0.9900 | Uni versal |
| 5 | 7 | 13 | 8 | 11 | 12 | 14 | 11 | 9 | 10 | 0.637119 | 1.0000 | Approxi mateEntropy |
| 1 | 6 | 9 | 6 | 7 | 6 | 5 | 6 | 8 | 6 | 0.671779 | 1.0000 | RandomExcursi ons |
| 9 | 5 | 6 | 3 | 8 | 6 | 6 | 4 | 5 | 8 | 0.804337 | 1.0000 | RandomExcursi ons |
| 3 | 5 | 5 | 13 | 4 | 4 | 10 | 5 | 4 | 7 | 0.090936 | 1.0000 | RandomExcursi ons |
| 7 | 2 | 8 | 4 | 3 | 6 | 12 | 3 | 7 | 8 | 0.122325 | 1.0000 | RandomExcursi ons |
| 4 | 4 | 9 | 7 | 11 | 5 | 5 | 6 | 3 | 6 | 0.437274 | 1.0000 | RandomExcursi ons |
| 6 | 3 | 8 | 9 | 9 | 9 | 6 | 2 | 4 | 4 | 0.299251 | 1.0000 | RandomExcursi ons |
| 6 | 11 | 6 | 4 | 4 | 3 | 4 | 6 | 7 | 9 | 0.407091 | 1.0000 | RandomExcursi ons |
| 5 | 9 | 4 | 5 | 5 | 6 | 4 | 7 | 10 | 5 | 0.706149 | 1.0000 | RandomExcursi ons |
| 5 | 7 | 7 | 3 | 6 | 4 | 10 | 6 | 6 | 6 | 0.804337 | 1.0000 | RandomExcursi onsVari ant |
| 4 | 5 | 8 | 8 | 1 | 5 | 6 | 8 | 9 | 6 | 0.468595 | 1.0000 | RandomExcursi onsVari ant |
| 4 | 5 | 7 | 4 | 7 | 5 | 9 | 6 | 6 | 7 | 0.931952 | 1.0000 | RandomExcursi onsVari ant |
| 4 | 3 | 3 | 7 | 8 | 6 | 13 | 8 | 2 | 6 | 0.066882 | 1.0000 | RandomExcursi onsVari ant |
| 5 | 2 | 6 | 5 | 2 | 9 | 7 | 11 | 3 | 10 | 0.074177 | 1.0000 | RandomExcursi onsVari ant |
| 3 | 5 | 4 | 3 | 3 | 4 | 10 | 9 | 11 | 8 | 0.090936 | 1.0000 | RandomExcursi onsVari ant |
| 3 | 2 | 5 | 5 | 4 | 4 | 7 | 13 | 6 | 11 | 0.031497 | 1.0000 | RandomExcursi onsVari ant |
| 3 | 4 | 1 | 5 | 9 | 7 | 5 | 5 | 8 | 13 | 0.043745 | 1.0000 | RandomExcursi onsVari ant |
| 4 | 5 | 8 | 5 | 5 | 5 | 2 | 11 | 9 | 6 | 0.324180 | 1.0000 | RandomExcursi onsVari ant |
| 1 | 6 | 8 | 7 | 5 | 6 | 6 | 8 | 4 | 9 | 0.534146 | 1.0000 | RandomExcursi onsVari ant |
| 9 | 4 | 3 | 6 | 6 | 7 | 6 | 5 | 8 | 6 | 0.862344 | 1.0000 | RandomExcursi onsVari ant |
| 7 | 8 | 7 | 3 | 6 | 8 | 6 | 6 | 5 | 4 | 0.911413 | 1.0000 | RandomExcursi onsVari ant |
| 6 | 9 | 6 | 4 | 9 | 9 | 7 | 2 | 4 | 4 | 0.407091 | 1.0000 | RandomExcursi onsVari ant |
| 3 | 13 | 4 | 5 | 4 | 4 | 8 | 5 | 7 | 7 | 0.162606 | 1.0000 | RandomExcursi onsVari ant |
| 6 | 7 | 7 | 4 | 4 | 0 | 9 | 5 | 7 | 11 | 0.134686 | 1.0000 | RandomExcursi onsVari ant |
| 7 | 6 | 7 | 4 | 2 | 5 | 8 | 6 | 7 | 8 | 0.804337 | 1.0000 | RandomExcursi onsVari ant |
| 8 | 5 | 5 | 5 | 7 | 3 | 4 | 9 | 7 | 7 | 0.804337 | 1.0000 | RandomExcursi onsVari ant |
| 6 | 3 | 10 | 4 | 4 | 9 | 4 | 8 | 6 | 6 | 0.500934 | 1.0000 | RandomExcursi onsVari ant |
| 11 | 12 | 13 | 8 | 9 | 6 | 7 | 11 | 9 | 14 | 0.719747 | 1.0000 | Seri al |
| 13 | 6 | 12 | 13 | 5 | 9 | 13 | 9 | 8 | 12 | 0.514124 | 1.0000 | Seri al |
| 11 | 10 | 8 | 11 | 13 | 11 | 7 | 11 | 7 | 11 | 0.935716 | 1.0000 | Li nearCompl exi ty |

 The minimum pass rate for each statistical test with the exception of the random excursion (variant) test is approximately = 0.989518 for a sample size = 100 binary sequences.

The minimum pass rate for the random excursion (variant) test is approximately 0.986759 for a sample size = 60 binary sequences.

For further guidelines construct a probability table using the MAPLE program provided in the addendum section of the documentation.

Alle Testverfahren wurden erfolgreich bestanden.