

Kratak opis formata izvješća

Ulaz u program je niz imena datoteka. Te datoteke su koliko-toliko grupirane po svojim ekstenzijama.

Svaka datoteka obrađuje se nizom testova. Ispisuje se ime datoteke i njezina veličina. Potom slijedi informacija od kojeg se bajta čita te koliko je bajtova uzeto u obradu (trenutno se cilja točno polovica datoteke, te 7462 bajta zbog najmanje datoteke u testu).

Potom slijede rezultati testova u obliku tablice. Stupci su:

- Ime testa, a neki dodatno imaju i parametar testa
- Rezultat testa - obično je broj ili hi kvadrat vrijednost
- Vjerojatnost da uzorak slučajan - ako je $p > 0.01$ smatramo da jest
- Neki dodatni međurezultati koji bi se mogli pokazati kao korisnim tijekom strojnog učenja

Komentar na izvješće

- Na prvi pogled se jasno uočava razlika između tekstualnih i binarnih datoteka (najbolje se vidi gledajući *random* stupac)
- Dobra vijest je da ZIP i RAR datoteke pokazuju razlike od slučajnih brojeva.
- Vidi se i razlika između pojedinih podtipova datoteka, što će se vjerojatno iskristalizirati nakon što se provede strojno učenje.

Izvješće od 26. travnja

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File 0: C:\java\diplomski\MP4 Flo Rida - Whistle [Official Video].mp4 77874
kB
Testing from byte 39871796, block is 7462
Frequency test                0,02                random (p = 0,98)
Ones=3732,00      Frequency=2,00
Block frequency test 128b    167,56                (p = 0,00)
Sum=0,33
Block frequency test 256b    112,03                (p = 0,00)
Sum=0,11
RLE test                3773,00                random (p = 0,33)
FlipOnes=1886,00      FlipZeroes=1887,00
Binary matrix rank test    2,97                random (p = 0,23)
F_30=1,00
Longest run of ones test    15,38                (p = 0,01)
v_n_obs=6,00
DFT spectral test        3549,00                random (p = 0,63)
D=0,48
Universal test            -1,00                (p = -1,00)
Linear complexity processor - 1000    3,00                random (p = 0,81)
Serial processor (8)        144,26                random (p = 0,15)
Del2=63,88      psim1=173,30      psim2=92,92      p_value1=0,15
p_value2=0,48
Approximate entropy test, 8b    292,26                random (p = 0,06)
apen=0,67
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Cumulative sums test - forward sum2=0,15	123,00	random (p = 0,31)
Cumulative sums test - backward sum2=0,15	125,00	random (p = 0,30)
Random excursions test	7,31	random (p = 0,20)
Random excursions variant test (0)	81,00	random (p = 0,50)

File 1: C:\java\diplomski\MP4 Rihanna - We Found Love ft. Calvin Harris.mp4
62390 kB

Testing from byte 31943726, block is 7462

Frequency test Ones=3725,00	0,14	random (p = 0,89)
Frequency=-12,00		
Block frequency test 128b Sum=0,10	49,06	random (p = 0,79)
Block frequency test 256b Sum=0,02	23,47	random (p = 0,75)
RLE test FlipOnes=1865,00	3730,00	random (p = 0,98)
FlipZeroes=1865,00		
Binary matrix rank test F_30=1,00	2,97	random (p = 0,23)
Longest run of ones test v_n_obs=9,00	5,24	random (p = 0,39)
DFT spectral test D=-0,26	3542,00	random (p = 0,79)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	5,57	random (p = 0,47)
Serial processor (8)	120,69	random (p = 0,66)
Del2=54,74	psim1=120,50	psim2=54,54
p_value2=0,79		p_value1=0,66
Approximate entropy test, 8b apen=0,68	246,50	random (p = 0,65)
Cumulative sums test - forward sum2=0,45	60,00	random (p = 0,90)
Cumulative sums test - backward sum2=0,39	72,00	random (p = 0,78)
Random excursions test	4,10	random (p = 0,54)
Random excursions variant test (0)	184,00	random (p = 1,00)

File 2: C:\java\diplomski\MP4 PSY - GANGNAM STYLE.mp4 90895 kB

Testing from byte 46538378, block is 7462

Frequency test Ones=3709,00	0,51	random (p = 0,61)
Frequency=-44,00		
Block frequency test 128b Sum=0,10	50,53	random (p = 0,75)
Block frequency test 256b Sum=0,02	22,92	random (p = 0,78)
RLE test FlipOnes=1856,00	3712,00	random (p = 0,66)
FlipZeroes=1856,00		
Binary matrix rank test	0,75	random (p = 0,69)

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F_30=1,00
Longest run of ones test          6,76          random (p = 0,24)
v_n_obs=4,00
DFT spectral test                 3532,00       random (p = 0,19)
D=-1,32
Universal test                    -1,00         (p = -1,00)
Linear complexity processor - 1000 1,00          random (p = 0,99)
Serial processor (8)              131,22        random (p = 0,40)
Del2=59,64      psim1=137,48      psim2=65,90      p_value1=0,40
p_value2=0,63
Approximate entropy test, 8b      256,80        random (p = 0,47)
apen=0,68
Cumulative sums test - forward    66,00         random (p = 0,85)
sum2=0,42
Cumulative sums test - backward   69,00         random (p = 0,82)
sum2=0,41
Random excursions test           8,77          random (p = 0,12)
Random excursions variant test (0) 100,00        random (p = 0,37)

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File 3: C:\java\diplomski\PDF Java book.pdf 3287 kB

Testing from byte 1683051, block is 7462

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Frequency test                    1,99          random (p = 0,05)
Ones=3817,00      Frequency=172,00
Block frequency test 128b        115,69        (p = 0,00)
Sum=0,23
Block frequency test 256b        85,34         (p = 0,00)
Sum=0,08
RLE test                        3725,00       random (p = 0,93)
FlipOnes=1863,00  FlipZeroes=1862,00
Binary matrix rank test          2,40          random (p = 0,30)
F_30=0,00
Longest run of ones test          21,63         (p = 0,00)
v_n_obs=4,00
DFT spectral test                 3538,00       random (p = 0,49)
D=-0,69
Universal test                    -1,00         (p = -1,00)
Linear complexity processor - 1000 15,57         random (p = 0,02)
Serial processor (8)              269,07        (p = 0,00)
Del2=139,46      psim1=302,29      psim2=172,68      p_value1=0,00
p_value2=0,00
Approximate entropy test, 8b      526,62        (p = 0,00)
apen=0,66
Cumulative sums test - forward    177,00        random (p = 0,08)
sum2=0,04
Cumulative sums test - backward   291,00        (p = 0,00)
sum2=0,00
Random excursions test            3,73          random (p = 0,59)
Random excursions variant test (0) 78,00         random (p = 0,87)

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File 4: C:\java\diplomski\PDF NIST paper.pdf 7399 kB

Testing from byte 3788513, block is 7462

Frequency test	3,61	(p = 0,00)
Ones=3887,00 Frequency=312,00		
Block frequency test 128b	68,31	random (p = 0,17)
Sum=0,13		
Block frequency test 256b	45,12	random (p = 0,03)
Sum=0,04		
RLE test	3754,00	random (p = 0,49)
FlipOnes=1877,00 FlipZeroes=1877,00		
Binary matrix rank test	0,01	random (p = 1,00)
F_30=1,00		
Longest run of ones test	3,90	random (p = 0,56)
v_n_obs=9,00		
DFT spectral test	3535,00	random (p = 0,32)
D=-1,00		
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	6,71	random (p = 0,35)
Serial processor (8)	266,77	(p = 0,00)
Del2=90,61 psim1=488,61 psim2=312,45 p_value1=0,00		
p_value2=0,02		
Approximate entropy test, 8b	453,94	(p = 0,00)
apen=0,66		
Cumulative sums test - forward	315,00	(p = 0,00)
sum2=0,00		
Cumulative sums test - backward	330,00	(p = 0,00)
sum2=0,00		
Random excursions test	4,47	random (p = 0,48)
Random excursions variant test (0)	29,00	random (p = 0,33)
File 5: C:\java\diplomski\PDF Small text.pdf 21 kB		
Testing from byte 11240, block is 7462		
Frequency test	3,38	(p = 0,00)
Ones=3877,00 Frequency=292,00		
Block frequency test 128b	63,06	random (p = 0,30)
Sum=0,12		
Block frequency test 256b	39,84	random (p = 0,09)
Sum=0,04		
RLE test	3650,00	random (p = 0,08)
FlipOnes=1825,00 FlipZeroes=1825,00		
Binary matrix rank test	2,97	random (p = 0,23)
F_30=1,00		
Longest run of ones test	16,15	(p = 0,01)
v_n_obs=6,00		
DFT spectral test	3534,00	random (p = 0,27)
D=-1,11		
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	2,43	random (p = 0,88)
Serial processor (8)	260,97	(p = 0,00)
Del2=91,55 psim1=520,14 psim2=350,72 p_value1=0,00		
p_value2=0,01		

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Approximate entropy test, 8b          466,21      (p = 0,00)
apen=0,66
Cumulative sums test - forward        296,00      (p = 0,00)
sum2=0,00
Cumulative sums test - backward       326,00      (p = 0,00)
sum2=0,00
Random excursions test                4,88        random (p = 0,43)
Random excursions variant test (0)    26,00        random (p = 0,63)

File 6: C:\java\diplomski\PDF Zet 238.pdf 12 kB
Testing from byte 6462, block is 7462
Frequency test                        1,13        random (p = 0,26)
Ones=3682,00      Frequency=-98,00
Block frequency test 128b             63,31        random (p = 0,29)
Sum=0,12
Block frequency test 256b             34,94        random (p = 0,21)
Sum=0,03
RLE test                              3827,00      random (p = 0,03)
FlipOnes=1914,00   FlipZeroes=1913,00
Binary matrix rank test               1,73        random (p = 0,42)
F_30=2,00
Longest run of ones test              21,62        (p = 0,00)
v_n_obs=5,00
DFT spectral test                    3543,00      random (p = 0,88)
D=-0,15
Universal test                        -1,00        (p = -1,00)
Linear complexity processor - 1000    1,57        random (p = 0,95)
Serial processor (8)                  240,73      (p = 0,00)
Del2=89,58      psim1=308,61      psim2=157,45      p_value1=0,00
p_value2=0,02
Approximate entropy test, 8b          402,44      (p = 0,00)
apen=0,67
Cumulative sums test - forward        113,00      random (p = 0,38)
sum2=0,19
Cumulative sums test - backward       159,00      random (p = 0,13)
sum2=0,07
Random excursions test                2,57        random (p = 0,77)
Random excursions variant test (0)    88,00        random (p = 0,66)

File 7: C:\java\diplomski\PNG Android screenshot.png 86 kB
Testing from byte 44120, block is 7462
Frequency test                        4,33        (p = 0,00)
Ones=3918,00      Frequency=374,00
Block frequency test 128b             203,12      (p = 0,00)
Sum=0,40
Block frequency test 256b             148,72      (p = 0,00)
Sum=0,15
RLE test                              3784,00      random (p = 0,15)
FlipOnes=1892,00   FlipZeroes=1892,00
Binary matrix rank test               0,01        random (p = 1,00)
F_30=1,00

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Longest run of ones test v_n_obs=7,00	11,85	random (p = 0,04)
DFT spectral test D=-1,00	3535,00	random (p = 0,32)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	8,14	random (p = 0,23)
Serial processor (8)	232,47	(p = 0,00)
Del2=103,49 psim1=336,02	psim2=207,04	p_value1=0,00
p_value2=0,00		
Approximate entropy test, 8b apen=0,67	409,32	(p = 0,00)
Cumulative sums test - forward sum2=0,00	400,00	(p = 0,00)
Cumulative sums test - backward sum2=0,00	396,00	(p = 0,00)
Random excursions test	2,03	random (p = 0,85)
Random excursions variant test (0)	51,00	random (p = 0,88)

File 8: C:\java\diplomski\PNG Fedora18-wallpaper-wide.png 3539 kB
Testing from byte 1811976, block is 7462

Frequency test Ones=3916,00 Frequency=370,00	4,28	(p = 0,00)
Block frequency test 128b Sum=0,15	76,00	random (p = 0,06)
Block frequency test 256b Sum=0,06	59,84	(p = 0,00)
RLE test FlipOnes=1912,00 FlipZeroes=1911,00	3823,00	random (p = 0,02)
Binary matrix rank test F_30=0,00	2,40	random (p = 0,30)
Longest run of ones test v_n_obs=8,00	7,12	random (p = 0,21)
DFT spectral test D=-0,26	3542,00	random (p = 0,79)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	3,86	random (p = 0,70)
Serial processor (8)	255,73	(p = 0,00)
Del2=92,25 psim1=422,26	psim2=258,79	p_value1=0,00
p_value2=0,01		
Approximate entropy test, 8b apen=0,66	428,46	(p = 0,00)
Cumulative sums test - forward sum2=0,00	371,00	(p = 0,00)
Cumulative sums test - backward sum2=0,00	371,00	(p = 0,00)
Random excursions test	0,43	random (p = 0,99)
Random excursions variant test (0)	0,00	random (p = 0,77)

File 9: C:\java\diplomski\PNG stara ilica.png 837 kB

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Testing from byte 428563, block is 7462
Frequency test                0,81          random (p = 0,42)
Ones=3696,00      Frequency=-70,00
Block frequency test 128b    68,62          random (p = 0,16)
Sum=0,13
Block frequency test 256b    20,47          random (p = 0,88)
Sum=0,02
RLE test                3679,00        random (p = 0,23)
FlipOnes=1839,00   FlipZeroes=1840,00
Binary matrix rank test     1,41          random (p = 0,49)
F_30=0,00
Longest run of ones test    8,89          random (p = 0,11)
v_n_obs=6,00
DFT spectral test         3541,00        random (p = 0,71)
D=-0,37
Universal test           -1,00          (p = -1,00)
Linear complexity processor - 1000  3,86          random (p = 0,70)
Serial processor (8)       162,41        random (p = 0,02)
Del2=61,87      psim1=216,35   psim2=115,82   p_value1=0,02
p_value2=0,55
Approximate entropy test, 8b   325,64        (p = 0,00)
apen=0,67
Cumulative sums test - forward  100,00        random (p = 0,49)
sum2=0,25
Cumulative sums test - backward  116,00        random (p = 0,36)
sum2=0,18
Random excursions test       10,64          random (p = 0,06)
Random excursions variant test (0)  7,00          random (p = 0,52)

File 10: C:\java\diplomski\TXT Batch File Programming.txt 41 kB
Testing from byte 21350, block is 7462
Frequency test                10,07          (p = 0,00)
Ones=3296,00      Frequency=-870,00
Block frequency test 128b    158,41          (p = 0,00)
Sum=0,31
Block frequency test 256b    124,80          (p = 0,00)
Sum=0,12
RLE test                3836,00        (p = 0,00)
FlipOnes=1918,00   FlipZeroes=1918,00
Binary matrix rank test     45,38          (p = 0,00)
F_30=7,00
Longest run of ones test    436,02          (p = 0,00)
v_n_obs=3,00
DFT spectral test         3635,00        (p = 0,00)
D=9,62
Universal test           -1,00          (p = -1,00)
Linear complexity processor - 1000  4,43          random (p = 0,62)
Serial processor (8)       3307,45        (p = 0,00)
Del2=1469,65      psim1=3962,87   psim2=2125,07   p_value1=0,00
p_value2=0,00
Approximate entropy test, 8b   3577,93        (p = 0,00)

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apen=0,45		
Cumulative sums test - forward	871,00	(p = 0,00)
sum2=0,00		
Cumulative sums test - backward	871,00	(p = 0,00)
sum2=0,00		
Random excursions test	8,02	random (p = 0,16)
Random excursions variant test (0)	22,00	random (p = 0,33)
File 11: C:\java\diplomski\TXT fer.hr.html 210 kB		
Testing from byte 107957, block is 7462		
Frequency test	22,94	(p = 0,00)
Ones=2740,00	Frequency=-1982,00	
Block frequency test 128b	1183,88	(p = 0,00)
Sum=2,31		
Block frequency test 256b	1028,38	(p = 0,00)
Sum=1,00		
RLE test	3286,00	(p = 0,00)
FlipOnes=1643,00	FlipZeroes=1643,00	
Binary matrix rank test	45,38	(p = 0,00)
F_30=7,00		
Longest run of ones test	159,44	(p = 0,00)
v_n_obs=4,00		
DFT spectral test	3643,00	(p = 0,00)
D=10,47		
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	3,29	random (p = 0,77)
Serial processor (8)	12308,52	(p = 0,00)
Del2=7563,60	psim1=11935,54	psim2=7190,62
p_value2=0,00		p_value1=0,00
Approximate entropy test, 8b	4417,97	(p = 0,00)
apen=0,40		
Cumulative sums test - forward	1993,00	(p = 0,00)
sum2=0,00		
Cumulative sums test - backward	1986,00	(p = 0,00)
sum2=0,00		
Random excursions test	11,46	random (p = 0,04)
Random excursions variant test (0)	2,00	random (p = 0,82)
File 12: C:\java\diplomski\TXT sol.py 14 kB		
Testing from byte 7462, block is 7462		
Frequency test	6,78	(p = 0,00)
Ones=3438,00	Frequency=-586,00	
Block frequency test 128b	92,09	(p = 0,00)
Sum=0,18		
Block frequency test 256b	62,30	(p = 0,00)
Sum=0,06		
RLE test	3906,00	(p = 0,00)
FlipOnes=1953,00	FlipZeroes=1953,00	
Binary matrix rank test	45,38	(p = 0,00)


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F_30=7,00
Longest run of ones test                251,38      (p = 0,00)
v_n_obs=4,00
DFT spectral test                       3599,00     (p = 0,00)
D=5,79
Universal test                          -1,00       (p = -1,00)
Linear complexity processor - 1000      3,86        random (p = 0,70)
Serial processor (8)                   2361,05     (p = 0,00)
Del2=1127,33      psim1=2593,19      psim2=1359,47      p_value1=0,00
p_value2=0,00
Approximate entropy test, 8b           3589,91     (p = 0,00)
apen=0,45
Cumulative sums test - forward          587,00      (p = 0,00)
sum2=0,00
Cumulative sums test - backward         591,00      (p = 0,00)
sum2=0,00
Random excursions test                  3,06        random (p = 0,69)
Random excursions variant test (0)     11,00       random (p = 0,61)

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File 13: C:\java\diplomski\ZIP Java HW06.zip 84 kB

Testing from byte 43284, block is 7462

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Frequency test                          0,21        random (p = 0,83)
Ones=3722,00      Frequency=-18,00
Block frequency test 128b               83,72       random (p = 0,02)
Sum=0,16
Block frequency test 256b               49,05       random (p = 0,01)
Sum=0,05
RLE test                                3771,00     random (p = 0,35)
FlipOnes=1885,00      FlipZeroes=1886,00
Binary matrix rank test                 0,75        random (p = 0,69)
F_30=1,00
Longest run of ones test                6,54        random (p = 0,26)
v_n_obs=7,00
DFT spectral test                       3548,00     random (p = 0,71)
D=0,38
Universal test                          -1,00       (p = -1,00)
Linear complexity processor - 1000      1,29        random (p = 0,97)
Serial processor (8)                   224,99      (p = 0,00)
Del2=111,65      psim1=211,48      psim2=98,15      p_value1=0,00
p_value2=0,00
Approximate entropy test, 8b           396,81     (p = 0,00)
apen=0,67
Cumulative sums test - forward          175,00      random (p = 0,09)
sum2=0,04
Cumulative sums test - backward         193,00      random (p = 0,05)
sum2=0,03
Random excursions test                  7,47        random (p = 0,19)
Random excursions variant test (0)     35,00       random (p = 0,93)

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File 14: C:\java\diplomski\ZIP Apache-maven-3.3.1-bin.zip 7985 kB

Testing from byte 4088722, block is 7462

```
Frequency test 2,36 random (p = 0,02)
Ones=3629,00 Frequency=-204,00
Block frequency test 128b 64,59 random (p = 0,26)
Sum=0,13
Block frequency test 256b 27,14 random (p = 0,56)
Sum=0,03
RLE test 3713,00 random (p = 0,72)
FlipOnes=1857,00 FlipZeroes=1856,00
Binary matrix rank test 0,75 random (p = 0,69)
F_30=1,00
Longest run of ones test 14,82 random (p = 0,01)
v_n_obs=5,00
DFT spectral test 3563,00 random (p = 0,05)
D=1,97
Universal test -1,00 (p = -1,00)
Linear complexity processor - 1000 1,86 random (p = 0,93)
Serial processor (8) 164,98 random (p = 0,02)
Del2=74,10 psim1=207,95 psim2=117,07 p_value1=0,02
p_value2=0,18
Approximate entropy test, 8b 324,64 (p = 0,00)
apen=0,67
Cumulative sums test - forward 212,00 random (p = 0,03)
sum2=0,01
Cumulative sums test - backward 206,00 random (p = 0,03)
sum2=0,02
Random excursions test 53,61 (p = 0,00)
Random excursions variant test (0) 9,00 random (p = 0,55)
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File 15: C:\java\diplomski\RAR S.A.R.S. - Perspektiva.rar 43470 kB

Testing from byte 22257067, block is 7462

```
Frequency test 3,01 (p = 0,00)
Ones=3601,00 Frequency=-260,00
Block frequency test 128b 91,38 (p = 0,00)
Sum=0,18
Block frequency test 256b 57,53 (p = 0,00)
Sum=0,06
RLE test 3627,00 random (p = 0,02)
FlipOnes=1814,00 FlipZeroes=1813,00
Binary matrix rank test 0,75 random (p = 0,69)
F_30=1,00
Longest run of ones test 1,60 random (p = 0,90)
v_n_obs=6,00
DFT spectral test 3537,00 random (p = 0,43)
D=-0,79
Universal test -1,00 (p = -1,00)
Linear complexity processor - 1000 6,43 random (p = 0,38)
Serial processor (8) 153,15 random (p = 0,06)
Del2=81,36 psim1=209,56 psim2=137,77 p_value1=0,06
p_value2=0,07
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```

Approximate entropy test, 8b          299,24      random (p = 0,03)
apen=0,67
Cumulative sums test - forward        277,00      (p = 0,00)
sum2=0,00
Cumulative sums test - backward       286,00      (p = 0,00)
sum2=0,00
Random excursions test                5,21        random (p = 0,39)
Random excursions variant test (0)    4,00        random (p = 0,72)

File 16: C:\java\diplomski\SANITYCHECK randombits.rng 32 kB
Testing from byte 16384, block is 7462
Frequency test                        1,20        random (p = 0,23)
Ones=3783,00      Frequency=104,00
Block frequency test 128b             68,16        random (p = 0,17)
Sum=0,13
Block frequency test 256b             40,83        random (p = 0,07)
Sum=0,04
RLE test                              3746,00      random (p = 0,72)
FlipOnes=1873,00   FlipZeroes=1873,00
Binary matrix rank test               1,41        random (p = 0,49)
F_30=0,00
Longest run of ones test              5,63        random (p = 0,34)
v_n_obs=5,00
DFT spectral test                    3560,00      random (p = 0,10)
D=1,65
Universal test                        -1,00        (p = -1,00)
Linear complexity processor - 1000    3,86        random (p = 0,70)
Serial processor (8)                 107,52       random (p = 0,79)
Del2=54,77      psim1=103,48      psim2=50,74      p_value1=0,91
p_value2=0,79
Approximate entropy test, 8b          267,72      random (p = 0,29)
apen=0,68
Cumulative sums test - forward        120,00      random (p = 0,33)
sum2=0,16
Cumulative sums test - backward       147,00      random (p = 0,18)
sum2=0,09
Random excursions test                12,92       random (p = 0,02)
Random excursions variant test (0)    37,00       random (p = 0,33)

File 17: C:\java\diplomski\SANITYCHECK block0.rng 10240 kB
Testing from byte 5242880, block is 7462
Frequency test                        2,13        random (p = 0,03)
Ones=3823,00      Frequency=184,00
Block frequency test 128b             68,91        random (p = 0,15)
Sum=0,13
Block frequency test 256b             36,89        random (p = 0,15)
Sum=0,04
RLE test                              3771,00      random (p = 0,33)
FlipOnes=1885,00   FlipZeroes=1886,00
Binary matrix rank test               1,48        random (p = 0,48)
F_30=2,00

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Longest run of ones test v_n_obs=6,00	7,08	random (p = 0,22)
DFT spectral test D=-1,32	3532,00	random (p = 0,19)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	1,57	random (p = 0,95)
Serial processor (8)	134,55	random (p = 0,33)
Del2=62,46 psim1=154,53	psim2=82,44	p_value1=0,33
p_value2=0,53		
Approximate entropy test, 8b apen=0,68	240,81	random (p = 0,74)
Cumulative sums test - forward sum2=0,02	204,00	random (p = 0,04)
Cumulative sums test - backward sum2=0,01	214,00	random (p = 0,03)
Random excursions test	3,75	random (p = 0,59)
Random excursions variant test (0)	50,00	random (p = 0,14)
File 18: C:\java\diplomski\TC truecrypt volume.tc 102400 kB		
Testing from byte 52428800, block is 7462		
Frequency test	0,37	random (p = 0,71)
Ones=3715,00 Frequency=-32,00		
Block frequency test 128b	75,94	random (p = 0,06)
Sum=0,15		
Block frequency test 256b	28,72	random (p = 0,48)
Sum=0,03		
RLE test	3734,00	random (p = 0,94)
FlipOnes=1867,00 FlipZeroes=1867,00		
Binary matrix rank test	0,75	random (p = 0,69)
F_30=1,00		
Longest run of ones test v_n_obs=6,00	3,02	random (p = 0,70)
DFT spectral test D=-0,47	3540,00	random (p = 0,64)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	4,43	random (p = 0,62)
Serial processor (8)	137,85	(p = 0,01)
Del2=95,60 psim1=70,48	psim2=28,23	p_value1=0,26
p_value2=0,01		
Approximate entropy test, 8b apen=0,67	297,67	random (p = 0,04)
Cumulative sums test - forward sum2=0,40	71,00	random (p = 0,79)
Cumulative sums test - backward sum2=0,37	76,00	random (p = 0,74)
Random excursions test	5,11	random (p = 0,40)
Random excursions variant test (0)	85,00	random (p = 0,57)

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Last update: **2023/06/19 18:21**