

Kratak opis formata datoteke za treniranje

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 Frequency=-12,00	0,14	random (p = 0,89)
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 FlipZeroes=1865,00	3730,00	random (p = 0,98)
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) Del2=54,74 psim1=120,50	120,69	random (p = 0,66)
p_value2=0,79 psim2=54,54 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 Frequency=-44,00	0,51	random (p = 0,61)
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 FlipZeroes=1856,00	3712,00	random (p = 0,66)
Binary matrix rank test F_30=1,00	0,75	random (p = 0,69)

Longest run of ones test v_n_obs=4,00	6,76	random (p = 0,24)
DFT spectral test D=-1,32	3532,00	random (p = 0,19)
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 apen=0,68	256,80	random (p = 0,47)
Cumulative sums test - forward sum2=0,42	66,00	random (p = 0,85)
Cumulative sums test - backward sum2=0,41	69,00	random (p = 0,82)
Random excursions test	8,77	random (p = 0,12)
Random excursions variant test (0)	100,00	random (p = 0,37)
File 3: C:\java\diplomski\PDF Java book.pdf 3287 kB		
Testing from byte 1683051, block is 7462		
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 v_n_obs=4,00	21,63	(p = 0,00)
DFT spectral test D=-0,69	3538,00	random (p = 0,49)
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 apen=0,66	526,62	(p = 0,00)
Cumulative sums test - forward sum2=0,04	177,00	random (p = 0,08)
Cumulative sums test - backward sum2=0,00	291,00	(p = 0,00)
Random excursions test	3,73	random (p = 0,59)
Random excursions variant test (0)	78,00	random (p = 0,87)
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			
Approximate entropy test, 8b	466,21	(p = 0,00)	
apen=0,66			

Cumulative sums test - forward sum2=0,00	296,00	(p = 0,00)
Cumulative sums test - backward sum2=0,00	326,00	(p = 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 Ones=3682,00 Frequency=-98,00	1,13	random (p = 0,26)
Block frequency test 128b Sum=0,12	63,31	random (p = 0,29)
Block frequency test 256b Sum=0,03	34,94	random (p = 0,21)
RLE test FlipOnes=1914,00 FlipZeroes=1913,00	3827,00	random (p = 0,03)
Binary matrix rank test F_30=2,00	1,73	random (p = 0,42)
Longest run of ones test v_n_obs=5,00	21,62	(p = 0,00)
DFT spectral test D=-0,15	3543,00	random (p = 0,88)
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 apen=0,67	402,44	(p = 0,00)
Cumulative sums test - forward sum2=0,19	113,00	random (p = 0,38)
Cumulative sums test - backward sum2=0,07	159,00	random (p = 0,13)
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 Ones=3918,00 Frequency=374,00	4,33	(p = 0,00)
Block frequency test 128b Sum=0,40	203,12	(p = 0,00)
Block frequency test 256b Sum=0,15	148,72	(p = 0,00)
RLE test FlipOnes=1892,00 FlipZeroes=1892,00	3784,00	random (p = 0,15)
Binary matrix rank test F_30=1,00	0,01	random (p = 1,00)
Longest run of ones test v_n_obs=7,00	11,85	random (p = 0,04)

DFT spectral test	3535,00	random (p = 0,32)
D=-1,00		
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_value2=0,00		p_value1=0,00
Approximate entropy test, 8b	409,32	(p = 0,00)
apen=0,67		
Cumulative sums test - forward	400,00	(p = 0,00)
sum2=0,00		
Cumulative sums test - backward	396,00	(p = 0,00)
sum2=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	4,28	(p = 0,00)
Ones=3916,00	Frequency=370,00	
Block frequency test 128b	76,00	random (p = 0,06)
Sum=0,15		
Block frequency test 256b	59,84	(p = 0,00)
Sum=0,06		
RLE test	3823,00	random (p = 0,02)
FlipOnes=1912,00	FlipZeroes=1911,00	
Binary matrix rank test	2,40	random (p = 0,30)
F_30=0,00		
Longest run of ones test	7,12	random (p = 0,21)
v_n_obs=8,00		
DFT spectral test	3542,00	random (p = 0,79)
D=-0,26		
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_value2=0,01		p_value1=0,00
Approximate entropy test, 8b	428,46	(p = 0,00)
apen=0,66		
Cumulative sums test - forward	371,00	(p = 0,00)
sum2=0,00		
Cumulative sums test - backward	371,00	(p = 0,00)
sum2=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

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 Sum=0,13	68,62	random (p = 0,16)
Block frequency test 256b Sum=0,02	20,47	random (p = 0,88)
RLE test FlipOnes=1839,00 FlipZeroes=1840,00	3679,00	random (p = 0,23)
Binary matrix rank test F_30=0,00	1,41	random (p = 0,49)
Longest run of ones test v_n_obs=6,00	8,89	random (p = 0,11)
DFT spectral test D=-0,37	3541,00	random (p = 0,71)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	3,86	random (p = 0,70)
Serial processor (8) Del2=61,87 psim1=216,35	162,41	random (p = 0,02)
p_value2=0,55	psim2=115,82	p_value1=0,02
Approximate entropy test, 8b apen=0,67	325,64	(p = 0,00)
Cumulative sums test - forward sum2=0,25	100,00	random (p = 0,49)
Cumulative sums test - backward sum2=0,18	116,00	random (p = 0,36)
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 Ones=3296,00 Frequency=-870,00	10,07	(p = 0,00)
Block frequency test 128b Sum=0,31	158,41	(p = 0,00)
Block frequency test 256b Sum=0,12	124,80	(p = 0,00)
RLE test FlipOnes=1918,00 FlipZeroes=1918,00	3836,00	(p = 0,00)
Binary matrix rank test F_30=7,00	45,38	(p = 0,00)
Longest run of ones test v_n_obs=3,00	436,02	(p = 0,00)
DFT spectral test D=9,62	3635,00	(p = 0,00)
Universal test	-1,00	(p = -1,00)
Linear complexity processor - 1000	4,43	random (p = 0,62)
Serial processor (8) Del2=1469,65 psim1=3962,87	3307,45	(p = 0,00)
p_value2=0,00	psim2=2125,07	p_value1=0,00
Approximate entropy test, 8b apen=0,45	3577,93	(p = 0,00)
Cumulative sums test - forward sum2=0,00	871,00	(p = 0,00)

Cumulative sums test - backward sum2=0,00	871,00	(p = 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 Ones=2740,00 Frequency=-1982,00	22,94	(p = 0,00)
Block frequency test 128b Sum=2,31	1183,88	(p = 0,00)
Block frequency test 256b Sum=1,00	1028,38	(p = 0,00)
RLE test FlipOnes=1643,00 FlipZeroes=1643,00	3286,00	(p = 0,00)
Binary matrix rank test F_30=7,00	45,38	(p = 0,00)
Longest run of ones test v_n_obs=4,00	159,44	(p = 0,00)
DFT spectral test D=10,47	3643,00	(p = 0,00)
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_value1=0,00 p_value2=0,00		
Approximate entropy test, 8b apen=0,40	4417,97	(p = 0,00)
Cumulative sums test - forward sum2=0,00	1993,00	(p = 0,00)
Cumulative sums test - backward sum2=0,00	1986,00	(p = 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 Ones=3438,00 Frequency=-586,00	6,78	(p = 0,00)
Block frequency test 128b Sum=0,18	92,09	(p = 0,00)
Block frequency test 256b Sum=0,06	62,30	(p = 0,00)
RLE test FlipOnes=1953,00 FlipZeroes=1953,00	3906,00	(p = 0,00)
Binary matrix rank test F_30=7,00	45,38	(p = 0,00)
Longest run of ones test v_n_obs=4,00	251,38	(p = 0,00)
DFT spectral test	3599,00	(p = 0,00)


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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)

File 13: C:\java\diplomski\ZIP Java HW06.zip 84 kB
Testing from byte 43284, block is 7462
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)

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

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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)

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		
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)

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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
Longest run of ones test      7,08     random (p = 0,22)
v_n_obs=6,00
DFT spectral test            3532,00   random (p = 0,19)
D=-1,32
Universal test                -1,00     (p = -1,00)

```

Linear complexity processor - 1000	1,57	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	240,81	random (p = 0,74)
apen=0,68		
Cumulative sums test - forward	204,00	random (p = 0,04)
sum2=0,02		
Cumulative sums test - backward	214,00	random (p = 0,03)
sum2=0,01		
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	3,02	random (p = 0,70)
v_n_obs=6,00		
DFT spectral test	3540,00	random (p = 0,64)
D=-0,47		
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	297,67	random (p = 0,04)
apen=0,67		
Cumulative sums test - forward	71,00	random (p = 0,79)
sum2=0,40		
Cumulative sums test - backward	76,00	random (p = 0,74)
sum2=0,37		
Random excursions test	5,11	random (p = 0,40)
Random excursions variant test (0)	85,00	random (p = 0,57)

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