
RESULTS FOR THE UNIFORMITY OF P-VALUES AND THE PROPORTION OF PASSING SEQUENCES

generator	is	<gv0_< th=""><th>_sequence.bin></th><th></th><th></th></gv0_<>	_sequence.bin>		

gene	erato	r is	<gv< th=""><th>J_se</th><th>quen</th><th>ce.b</th><th>ln></th><th></th><th></th><th></th><th></th></gv<>	J_se	quen	ce.b	ln>				
TEST										PROPORTION	
		111	108	81	92	94	103	124	0.047785	992/1000	
Frequer		0.4	100	110	٥٢	0.0	1 0 1	110	0 005001	007/1000	
			102	119	95	90	101	110	0.295391	987/1000	
BlockFi	-	_	1 0 0	1 0 2	106	1 0 2	1 0 4	0.0	0.961869	991/1000	
Cumulat			100	102	100	103	104	90	0.901009	991/1000	
88 102			128	9.5	101	103	102	87	0.034484	992/1000	
Cumulat				,				0 ,	0,001101	332, 2000	
			115	93	103	94	89	103	0.695200	990/1000	Runs
107 93									0.383827	993/1000	
Longest	Run										
94 94										990/1000	
117 122									0.032061	992/1000	FFT
96 109					114	105	86	99	0.614226	986/1000	
NonOve					100	0.0			0 0 0 5 5 4 4	0.0.6./4.0.0.0	
					102	98	92	99	0.975644	986/1000	
NonOve					0.1	1 0 5	1 0 2	0.4	0.670396	004/1000	
92 93 NonOve					91	105	102	94	0.670396	984/1000	
88 90	rapp. 1 95	96 11191	2111PI	111	1 / 2	an	112	116	0.221317	995/1000	
NonOve					100	90	112	110	0.221317	993/1000	
					107	91	106	96	0.949278	992/1000	
NonOve											
101 113					90	95	99	119	0.562591	986/1000	
NonOve	lapp:	ingT	empla	ate							
119 94	94	99	104	95	106	90	104	95	0.686955	986/1000	
NonOve											
					104	99	103	96	0.936823	992/1000	
NonOve		_	-								
					86	106	102	109	0.289667	986/1000	
NonOve		_	_		110	111	07	0.0	0.088226	006/1000	
90 117					119	ТТТ	97	99	0.088226	996/1000	
NonOver					03	90	1 0 0	1 0 4	0.337688	990/1000	
NonOve					0.5	90	109	104	0.337000	990/1000	
112 100					103	112	8.8	111	0.234373	984/1000	
NonOve					100		00		0.231373	30171000	
109 105		_	_		92	100	104	99	0.042255	987/1000	
NonOve											
99 100					98	86	108	88	0.572847	992/1000	
NonOve											
105 109	9 113	99	95	76	100	104	95	104	0.406499	989/1000	
NonOve											
115 94					111	100	95	109	0.653773	991/1000	
NonOve	rlapp:	ıngT	empla	ate							

112 94 90 109 93 103	98	109	96	96	0.801865	992/1000
NonOverlappingTemplate	100	0.0	1 0 0	100	0 016537	002/1000
98 109 102 85 92 100 NonOverlappingTemplate	103	96	109	106	0.816537	993/1000
99 93 109 102 96 96	88	106	97	114	0.786830	992/1000
NonOverlappingTemplate 101 91 112 104 92 98 NonOverlappingTemplate	109	118	81	94	0.267573	991/1000
120 99 91 97 110 106	95	90	94	98	0.542228	988/1000
NonOverlappingTemplate 80 107 103 99 105 102	80	101	122	101	0.131879	990/1000
NonOverlappingTemplate 103 95 96 108 98 102	83	102	104	109	0.823725	990/1000
NonOverlappingTemplate	0.6	1.00	104	0.0	0.000040	000/1000
116 76 111 97 99 103 NonOverlappingTemplate	96	109	104	89	0.209948	989/1000
113 95 99 98 102 96	90	89	110	108	0.735908	982/1000
NonOverlappingTemplate 97 102 104 110 90 97	99	100	90	111	0.867692	988/1000
NonOverlappingTemplate 100 107 88 102 93 116	91	99	111	93	0.581082	991/1000
NonOverlappingTemplate 104 98 107 87 95 112	97	101	103	96	0.881662	992/1000
NonOverlappingTemplate 105 102 108 101 97 96	93	115	87	96	0.761719	985/1000
NonOverlappingTemplate 114 94 91 92 96 98	104	91	107	113	0.624627	994/1000
NonOverlappingTemplate 89 95 101 101 104 97	102	100	110	101	0.972382	990/1000
NonOverlappingTemplate						
89 98 92 119 100 94 NonOverlappingTemplate	104	100	104	100	0.721777	991/1000
82 108 88 91 103 109 NonOverlappingTemplate	113	102	108	96	0.387264	993/1000
114 101 84 103 99 103	96	102	101	97	0.832561	989/1000
	104	101	87	98	0.465415	991/1000
NonOverlappingTemplate 115 102 108 106 98 103	86	79	104	99	0.353733	983/1000
NonOverlappingTemplate 98 96 89 102 91 115	1 \(1 \)	108	1 ∩ 4	96	0.790621	991/1000
NonOverlappingTemplate	101	100	104	50	0.750021	331/1000
90 124 113 96 90 101 NonOverlappingTemplate	95	107	98	86	0.193767	994/1000
115 93 116 107 103 89	94	97	98	88	0.435430	987/1000
NonOverlappingTemplate 101 81 110 117 107 114	85	93	97	95	0.160805	988/1000
NonOverlappingTemplate 98 120 103 98 73 94	103	106	95	110	0.140453	984/1000
NonOverlappingTemplate 104 92 92 95 91 106	113	96	118	93	0.490483	992/1000
NonOverlappingTemplate						
110 81 87 98 106 96 NonOverlappingTemplate	92	99	102	129	0.067722	994/1000
103 100 115 94 92 105	90	95	100	106	0.816537	988/1000
NonOverlappingTemplate 103 89 124 97 90 115	94	96	95	97	0.258307	991/1000
NonOverlappingTemplate						

95 113 97 85 108 98	95	99	110	100	0.717714	996/1000
NonOverlappingTemplate 94 105 114 87 102 105	98	96	94	105	0.801865	992/1000
NonOverlappingTemplate 100 103 99 103 94 95	90	96	115	105	0.878618	994/1000
NonOverlappingTemplate 100 108 85 99 104 98	91	99	108	108	0.816537	992/1000
NonOverlappingTemplate 98 99 121 95 90 109	90	100	95	103	0.548314	982/1000
NonOverlappingTemplate 115 109 107 105 94 94	85	102		84	0.382115	988/1000
NonOverlappingTemplate						
109 98 96 109 100 100 NonOverlappingTemplate	99	91	106	92	0.933472	991/1000
89 110 102 94 120 84 NonOverlappingTemplate	110	99	93	99	0.298282	991/1000
114 96 104 82 108 103	88	109	100	96	0.469232	985/1000
NonOverlappingTemplate 114 94 94 106 114 101	107	90	89	91	0.482707	993/1000
NonOverlappingTemplate 100 82 120 92 91 94	122	103	89	107	0.073872	992/1000
NonOverlappingTemplate 103 105 123 103 86 92	109	96	98	85	0.238035	995/1000
NonOverlappingTemplate 106 87 97 112 98 90	109	101	98	102	0.786830	993/1000
NonOverlappingTemplate 125 96 92 93 99 96		101			0.542228	988/1000
NonOverlappingTemplate	90	101	102	100	0.342220	988/1000
115 103 101 100 111 93	116	86	82	93	0.196920	993/1000
NonOverlappingTemplate 83 108 108 78 113 102	110	99	118	81	0.028817	994/1000
NonOverlappingTemplate 100 84 104 106 87 108	94	99	116	102	0.496351	991/1000
NonOverlappingTemplate 102 108 97 105 103 91	107	107	90	90	0.842937	986/1000
NonOverlappingTemplate						
109 98 95 108 88 93 NonOverlappingTemplate	101	114	94	100	0.739918	988/1000
92 96 94 106 106 109 NonOverlappingTemplate	96	95	104	102	0.951205	992/1000
100 112 107 103 104 98	83	103	96	94	0.767582	997/1000
NonOverlappingTemplate 106 98 101 92 108 85	107	97	109	97	0.796268	992/1000
NonOverlappingTemplate 101 93 117 101 91 98	101	101	98	99	0.889118	985/1000
NonOverlappingTemplate 96 91 83 94 98 96	100	131	113	98	0.072066	990/1000
NonOverlappingTemplate						
100 96 93 108 98 105 NonOverlappingTemplate	93	97	100	104	0.975644	991/1000
101 123 119 90 102 84	94	92	97	98	0.135720	992/1000
NonOverlappingTemplate 107 90 100 92 114 107	91	113	95	91	0.520102	990/1000
NonOverlappingTemplate 86 102 80 108 79 103	108	96	127	111	0.015383	991/1000
NonOverlappingTemplate						
101 110 103 111 85 94 NonOverlappingTemplate	103	95	96	102	0.792508	988/1000

96 109 98 106 100 88	113	105	86	99	0.666245	986/1000
NonOverlappingTemplate 96 109 90 100 99 102	112	105	97	90	0.851383	985/1000
NonOverlappingTemplate 83 98 99 112 104 111	108	89	99	97	0.564639	996/1000
NonOverlappingTemplate 99 101 86 101 105 98	83		106		0.520102	986/1000
NonOverlappingTemplate						
83 109 107 125 106 91 NonOverlappingTemplate	105	94	82	98	0.078086	990/1000
105 95 95 99 90 115 NonOverlappingTemplate	94	109	115	83	0.325206	995/1000
91 106 104 105 105 95	107	87	81	119	0.244236	992/1000
NonOverlappingTemplate 114 103 110 87 107 89	87	109	100	94	0.410055	984/1000
NonOverlappingTemplate 91 91 100 98 102 120	109	94	86	109	0.380407	984/1000
NonOverlappingTemplate 102 104 111 84 104 108		102	89	97	0.727851	989/1000
NonOverlappingTemplate						
105 98 90 102 115 81 NonOverlappingTemplate	115	103	99	92	0.336111	985/1000
90 90 105 98 92 97 NonOverlappingTemplate	89	109	118	112	0.373625	996/1000
101 97 118 102 117 88	107	87	89	94	0.245490	991/1000
NonOverlappingTemplate 112 94 96 104 103 96	97	97	98	103	0.975644	987/1000
NonOverlappingTemplate 111 110 99 102 82 93	96	94	105	108	0.595549	989/1000
NonOverlappingTemplate 103 103 118 99 108 95	81	91	103	99	0.452173	990/1000
NonOverlappingTemplate						
104 111 102 99 100 87 NonOverlappingTemplate	95	104	99	99	0.939005	989/1000
109 103 98 91 116 113 NonOverlappingTemplate	93	93	90	94	0.500279	990/1000
87 109 104 99 107 107	101	101	99	86	0.775337	985/1000
NonOverlappingTemplate 99 102 94 126 111 102	84	94	89	99	0.183547	990/1000
NonOverlappingTemplate 86 105 103 123 104 87	97	100	98	97	0.378705	991/1000
NonOverlappingTemplate 93 102 101 110 101 105	91	97	107	93	0.931185	990/1000
NonOverlappingTemplate						
121 90 102 87 95 100 NonOverlappingTemplate				101	0.152044	983/1000
99 109 100 99 108 98 NonOverlappingTemplate	106	79	109	93	0.576961	989/1000
93 98 90 92 102 99	109	92	108	117	0.616305	994/1000
NonOverlappingTemplate 109 92 95 104 86 113	104	104	96	97	0.731886	985/1000
NonOverlappingTemplate 100 94 113 93 95 101	114	98	105	87	0.664168	985/1000
NonOverlappingTemplate 83 97 101 96 111 92	102	109	105	1 0 4	0.713641	987/1000
NonOverlappingTemplate						
102 125 100 91 111 93 NonOverlappingTemplate	ΤΟ /	T 0 0	79	92	0.110734	994/1000

	109	114	110	96	0.049030	988/1000
NonOverlappingTemplate 94 104 109 85 100 80 NonOverlappingTemplate	91	112	99	126	0.055361	993/1000
116 85 103 102 104 83 NonOverlappingTemplate	99	110	109	89	0.274341	989/1000
99 107 110 92 116 102 NonOverlappingTemplate	72	94	98	110	0.123038	989/1000
99 119 93 108 99 97 NonOverlappingTemplate	113	98	87	87	0.353733	987/1000
102 102 87 113 96 107 NonOverlappingTemplate	100	93	108	92	0.751866	993/1000
89 92 82 105 101 121 NonOverlappingTemplate	117	96	85	112	0.057146	991/1000
90 95 93 104 107 109 NonOverlappingTemplate	96	104	86	116	0.530120	988/1000
101 98 114 114 101 78 NonOverlappingTemplate	100	98	106	90	0.332970	987/1000
90 100 102 104 99 106 NonOverlappingTemplate	89	99	104	107	0.944274	990/1000
90 109 97 96 95 106 NonOverlappingTemplate	99	89	116	103	0.684890	991/1000
106 89 86 111 95 97 NonOverlappingTemplate	99	111	104	102	0.689019	990/1000
105 96 101 89 89 95 NonOverlappingTemplate	97	111	104	113	0.715679	986/1000
135 103 101 98 94 95 NonOverlappingTemplate	99	92	89	94	0.085068	981/1000
98 105 110 115 105 96 NonOverlappingTemplate	94	84	100	93	0.599693	986/1000
105 105 84 106 87 101 NonOverlappingTemplate	103	99	103	107	0.759756	990/1000
113 109 88 98 80 113 NonOverlappingTemplate	109	103	101	86	0.184549	986/1000
92 100 106 108 107 96 NonOverlappingTemplate	112	101	84	94	0.672470	988/1000
97 106 94 108 94 120 NonOverlappingTemplate	108	81	96	96	0.320607	991/1000
100 108 107 98 107 85 NonOverlappingTemplate	94	101	112	88	0.620465	989/1000
87 100 105 90 99 88 NonOverlappingTemplate	108	114	95	114	0.419021	992/1000
104 126 88 102 109 99 NonOverlappingTemplate	81	105	85	101	0.082010	987/1000
99 88 103 95 97 108 NonOverlappingTemplate	96	102	111	101	0.915317	992/1000
113 97 102 84 99 112 NonOverlappingTemplate	108	111	86	88	0.270265	993/1000
89 115 98 99 90 91 NonOverlappingTemplate	87	113	112	106	0.311542	994/1000
107 98 96 87 93 100 NonOverlappingTemplate	105	107	113	94	0.773405	986/1000
112 92 92 104 97 101 NonOverlappingTemplate	107	103	104	88	0.820143	990/1000
101 89 98 112 93 104 NonOverlappingTemplate	89	100	104	110	0.767582	990/1000
111 101 94 97 82 102 NonOverlappingTemplate	81	115	109	108	0.199045	989/1000

99 102 103 NonOverlapp			81	103	119	87	0.331408	991/1000
93 100 107	109	101 91	107	105	94	93	0.897763	990/1000
NonOverlapp 115 88 96	87	108 111	105	105	96	89	0.413628	990/1000
NonOverlapp 103 91 108		mplate 88 108	103	99	98	98	0.914025	985/1000
NonOverlapp 99 94 107		mplate 91 96	94	112	105	90	0.707513	990/1000
NonOverlapp 93 106 91	ingTe 95		89	115	101	87	0.146982	989/1000
NonOverlapp 118 110 80	-	mplate 96 98	103	114	97	81	0.112708	989/1000
NonOverlapp 101 104 102	ingTe	mplate	103		85	105	0.917870	990/1000
NonOverlapp	ingTe	mplate						
106 108 85 NonOverlapp	ingTe		123	99	96	83	0.091487	984/1000
105 108 106 NonOverlapp			104	87	110	93	0.316052	984/1000
98 98 99 NonOverlapp		105 103	111	94	99	109	0.800005	989/1000
105 100 95 NonOverlapp	118	96 107	95	104	83	97	0.556460	982/1000
89 107 99	97	104 106	90	102	119	87	0.469232	994/1000
NonOverlapp 114 101 102	101	103 99	101	87	100	92	0.878618	994/1000
NonOverlapp 116 94 101		mplate 104 107	97	95	94	106	0.678686	987/1000
NonOverlapp								
101 112 102		84 95	102	95	95	103	0.725829	988/1000
	114	101 98	111	107	108	95	0.419021	988/1000
		ate 90 100	118	118	84	94	0.250558	983/1000
Universal 107 106 112	76	92 99	86	113	108	101	0.162606	985/1000
Approximate 78 67 55		ру 66 65	62	82	62	61	0.360238	661/674
RandomExcur 69 61 76	sions		62	80	61	76	0.360238	670/674
RandomExcur			02	80	01	70	0.300230	070/074
56 72 72 RandomExcur		70 70	65	53	79	72	0.495561	665/674
61 74 63	72	65 65	71	58	68	77	0.838194	670/674
RandomExcur 65 62 62	83	78 70	61	72	53	68	0.317724	665/674
RandomExcur 78 65 73		78 70	61	82	59	58	0.099026	667/674
RandomExcur 71 57 72		72 69	77	68	65	65	0.800644	667/674
RandomExcur 72 48 69	sions 70	76 80	61	73	60	65	0.239744	668/674
RandomExcur			<u> </u>	. 0				100,0,1
66 68 72 RandomExcur		72 66 Variant	71	64	73	61	0.972514	668/674
71 60 63		89 61	60	64	63	74	0.285029	671/674
RandomExcur	sions	Variant						

RandomExcursionsVariant 70 66 72 62 64 58 68 71 75 68 0.943102 670/674	
70 66 72 62 64 58 68 71 75 68 0.943102 670/674	
RandomExcursionsVariant	
72 62 67 74 57 68 73 72 72 57 0.763561 667/674	
RandomExcursionsVariant	
65 70 70 73 58 76 70 65 61 66 0.909437 667/674	
RandomExcursionsVariant	
65 61 74 64 78 63 60 74 70 65 0.819768 668/674	
RandomExcursionsVariant	
58 74 59 77 64 63 80 64 67 68 0.592150 666/674	
RandomExcursionsVariant	
64 68 69 63 74 76 57 66 78 59 0.672811 663/674	
RandomExcursionsVariant	
70 59 73 73 74 63 76 58 66 62 0.745878 668/674	
RandomExcursionsVariant	
64 88 65 52 67 69 74 66 62 67 0.254835 670/674	
RandomExcursionsVariant	
60 67 73 68 59 55 85 71 71 65 0.370162 668/674	
RandomExcursionsVariant	
60 62 64 57 68 69 81 71 72 70 0.691327 666/674	
RandomExcursionsVariant	
56 71 59 69 74 64 63 67 67 84 0.486820 667/674	
RandomExcursionsVariant	
60 65 76 61 60 74 72 61 66 79 0.629350 668/674	
RandomExcursionsVariant	
62 58 81 72 55 76 59 69 62 80 0.205025 669/674	
RandomExcursionsVariant	
61 67 78 69 53 64 67 71 69 75 0.666617 667/674	
RandomExcursionsVariant	
61 61 81 64 62 61 66 75 78 65 0.546223 669/674	
RandomExcursionsVariant	
90 83 99 91 95 95 113 114 115 105 0.251837 996/1000 Seria	al
99 93 97 88 96 97 112 99 116 103 0.701366 990/1000 Seria	al
105 93 101 107 91 107 113 97 84 102 0.645448 983/1000	
LinearComplexity	

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The minimum pass rate for each statistical test with the exception of the random excursion (variant) test is approximately = 980 for a sample size = 1000 binary sequences.

The minimum pass rate for the random excursion (variant) test is approximately = 659 for a sample size = 674 binary sequences.

For further guidelines construct a probability table using the ${\tt MAPLE}$ program

provided in the addendum section of the documentation.

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