Test Report

Test report No.:

T-J0068-I0003

Date of issue:

2022-12-06

Applicant:	***Manufacturer:***
Universe B Games B.V., Dr. M.J. Hugenholtyweg 25 Unit 11, P.O. Box 578, Curaçao	Universe B Games B.V., Dr. M.J. Hugenholtyweg 25 Unit 11, P.O. Box 578, Curaçao

Product:	***Target device:***
RNG	BetFury RGS (Remote Gaming Server)
Product type:	***Target device type:***
Pseudo-random number generator (PRNG)	Remote Gaming System (RGS)

Jurisdiction:

Curaçao

Test Criteria:

WN402 - Randomness tests. WN404 - Software analysis.

Pages (with annexes):	***Verdict (subject to conditions in Chapter 1):***
73	Pass
Test report type:	***Subject file No.:***
Platform	22000667001
Test group(s):	
Randomness, Software	
Remarks:	
N.A.	

Project responsible person [signature]:

Digitally signed by Gregor Zakrajšek
DN: dc=si, dc=siq, ou=Domain Users, ou=SIQ_Igralnistvo, cn=Gregor Zakrajšek, email=gregor.zakrajsek@siq.si
Date: 2022.12.06 15:15:55 +01'00'

Gregor Zakrajšek

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Date: 2022.12.06 15:43:33 +01'00'

Vid Svetik

1 Conditions and settings for compliance with test criteria

PRNG tested herein only. BetFury RGS and games shall be subject of separate reports.

2 Protection against unauthorized access

It is recommended that servers, hosting RNG and RGS with games, are located in secure premises with controlled physical access, network and logical access.

3 Gaming device general properties

General device design:	Server, Linux
Cabinet(s):	N.A.
Available player denominations:	N.A.
Available tokenizations:	N.A.
Supported communication protocols:	N.A.
Supported progressives:	N.A.
Minimum bet (credits):	N.A.
Maximum bet (credits):	N.A.

4 Annexes

Annex / Test group	Attached [yes/no]	Remark
Functional tests	No	/
Randomness tests	Yes	/
Payback ratio tests	No	/
Software analysis	Yes	/
Device specific tests	No	/
Other annexes	No	/

5 Previous / transferred test reports results

N.A.

6 Additional information

6.1 Time and location of testing

Date of signed application received: 2022-11-03

The location of performance of the laboratory activities (if outside of SIQ premises): N.A.

7 Documentation references

The following documentation was used:

- Math.random() - JavaScript _ MDN.pdf

8 Other test report references

N.A.

9 Terms and conditions

SIQ has conducted a level of testing of the gaming product which has historically been adequate for a submission of this type. However, inherent in testing in a laboratory environment are the unavoidable limitations of it not being possible to verify the effects of all possible configurations and environments that occur in actual gaming venues. If any parties dispute our findings, or may present evidence or information contrary to our findings, SIQ would welcome the addition of this information for our consideration. In such an instance, SIQ reserves the right to amend or revise this document.

This document is for use by the named jurisdiction and only verifies the product described herein, subject to any conditions or limitations set forth herein. Any test results listed in this document only refer to the sample of the product submitted for testing.

The applicant and manufacturer named herein are solely responsible for possession of the appropriate license to sell, lease, service or provide gaming supplies or gaming related services in the jurisdiction for which this product was tested. It is the responsibility of the applicant, manufacturer and operator to ensure that the gaming product detailed herein is maintained and operated correctly, without defects and safely within the venue environment. Product shall be used in line with accompanying manuals and documentation. Conformity to specified criteria does not warrant product performance nor complete bug free operation.

Test Report Annex: Randomness tests

Test report No.:
T-J0068-I0003
Checklist references:
T-J0068-I0003-WN402.xls
Test report references (if applicable):
N.A.
Internal procedure and issue:
WN202, 08 / 2020-05
Remarks:
N.A.
Date annex completed:
2021-12-06
Tested by [signature]:
Digitally signed by Gregor Zakrajšek DN: dc=si, dc=siq, ou=Domain Users, ou=SIQ_Igralnistvo, cn=Gregor Zakrajšek, email=gregor.zakrajsek@siq.si Date: 2022.12.06 15:15:46 +01'00' Gregor Zakrajšek

1 Randomness type

The randomness results are generated by JavaScript Math.random() PRNG engine algorithm.

2 Data acquisition method

Random number outcome was gathered with special software which implements the same RNG source code as the game software.

3 Test results

3.1 Draw for game Plinko (0 – 1)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes:	PASS	Differential outcomes:	PASS

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-0,179	0,179
Differential outcomes:	-1,454	1,454

CHI-SQUARE TEST

Direct outcomes:	PASS	Differential outcomes:	PASS

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	1		
χ - max	**α/2 =**	0,025	**5,024**	97,50%
χ - min	**1 – α/2 =**	0,975	**0,001**	2,50%
χ2 :		**0,032**		14,20%
χ2 (w):		**2,114**		85,40%

RUNS TEST

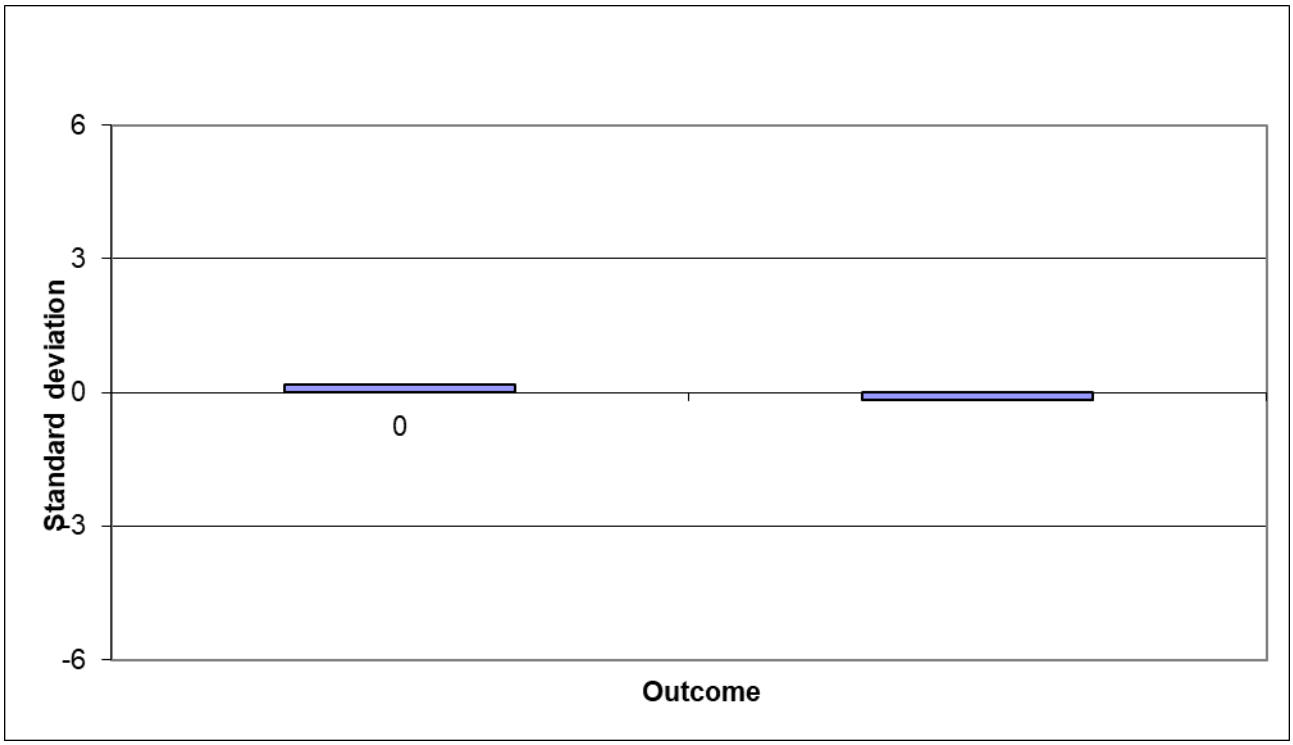
Direct outcomes:	PASS

Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	996
Below average:	N2 (-1)	1004
Number of runs:	R	968

Limits	**1,96**
E(R)	1000,98
σ(R)	22,35
z	-1,48

Direct outcomes					Differential outcomes				
x_i	*k_i*	χ2	3σ	*s_i*	*w_i*	*k(w_i)*	χ2	3σ	*s_i*
0	1004	0,0160	PASS	0,1789	0	1032	1,0568	PASS	1,4538
1	996	0,0160	PASS	-0,1789	1	967	1,0568	PASS	-1,4538



3.2 Draw for game Dice (0 – 99)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations: **3** σ

	min	max
Direct outcomes:	-2,129	2,797
Differential outcomes:	-2,161	3,337

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α): **95** %

Limits:

Degrees of freedom	**DF =**	99	
χ - max	**α/2 =**	0,025	**128,422** 97,50%
χ - min	**1 – α/2 =**	0,975	**73,361** 2,50%

$\chi 2$:	**90,584**	28,50%
$\chi 2$ (w):	**100,072**	54,91%

RUNS TEST

Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

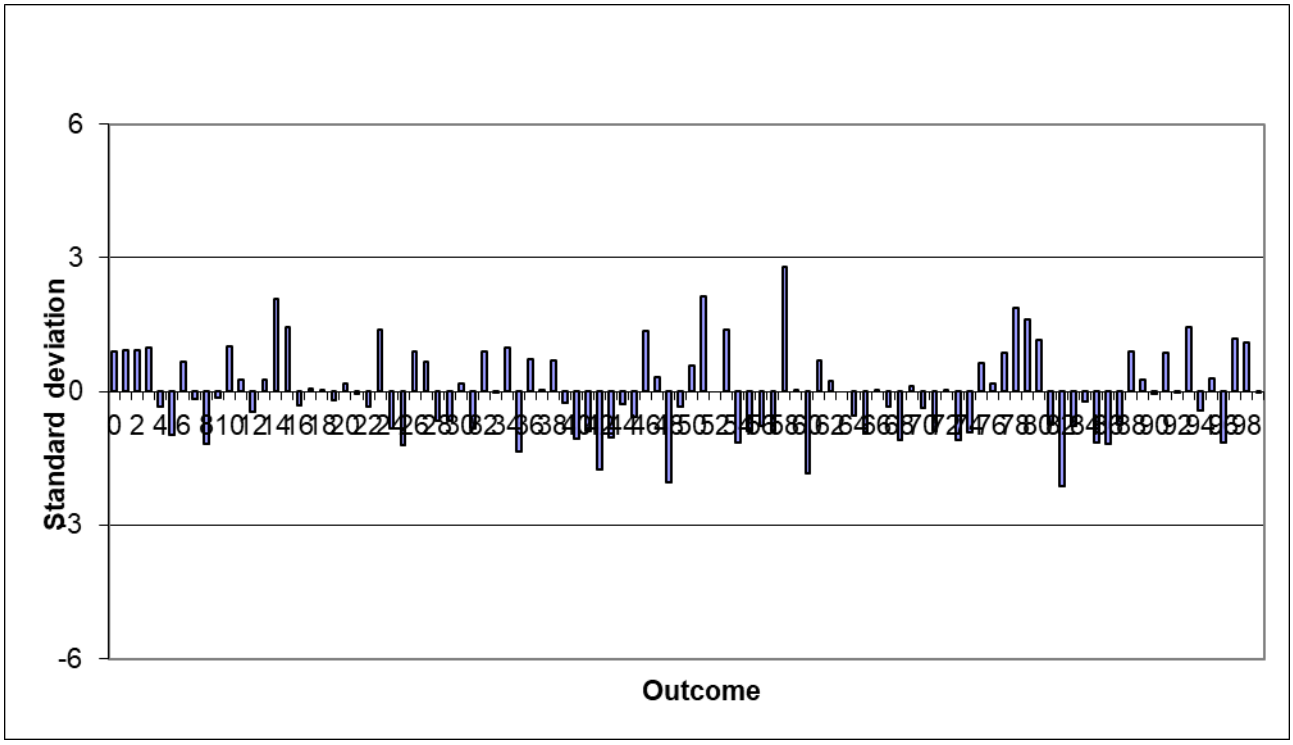
Above average:	N1 (1)	50002
Below average:	N2 (-1)	49998
Number of runs:	R	49903

Limits	**1,96**
E(R)	50001,00
σ(R)	158,11
z	-0,62

Direct outcomes					Differential outcomes				
x_i	***k_i***	**$\chi 2$**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**$\chi 2$**	**3σ**	***s_i***
0	1028	0,7840	PASS	0,8899	0	1029	0,8416	PASS	0,9220
1	1029	0,8410	PASS	0,9217	1	1022	0,4844	PASS	0,6995
2	1029	0,8410	PASS	0,9217	2	956	1,9351	PASS	-1,3981
3	1031	0,9610	PASS	0,9852	3	1017	0,2893	PASS	0,5406
4	989	0,1210	PASS	-0,3496	4	1008	0,0642	PASS	0,2546
5	969	0,9610	PASS	-0,9852	5	1089	7,9229	PASS	2,8289
6	1021	0,4410	PASS	0,6674	6	1013	0,1693	PASS	0,4135
7	995	0,0250	PASS	-0,1589	7	1020	0,4004	PASS	0,6360
8	963	1,3690	PASS	-1,1759	8	1051	2,6020	PASS	1,6212
9	996	0,0160	PASS	-0,1271	9	989	0,1208	PASS	-0,3493
10	1032	1,0240	PASS	1,0170	10	949	2,6000	PASS	-1,6206
11	1008	0,0640	PASS	0,2543	11	982	0,3236	PASS	-0,5718
12	986	0,1960	PASS	-0,4449	12	974	0,6755	PASS	-0,8260
13	1008	0,0640	PASS	0,2543	13	976	0,5755	PASS	-0,7625
14	1065	4,2250	PASS	2,0658	14	998	0,0040	PASS	-0,0632
15	1045	2,0250	PASS	1,4302	15	1028	0,7846	PASS	0,8902
16	990	0,1000	PASS	-0,3178	16	1003	0,0091	PASS	0,0957
17	1002	0,0040	PASS	0,0636	17	1001	0,0010	PASS	0,0321
18	1001	0,0010	PASS	0,0318	18	1056	3,1372	PASS	1,7801
19	994	0,0360	PASS	-0,1907	19	1018	0,3244	PASS	0,5724
20	1006	0,0360	PASS	0,1907	20	932	4,6227	PASS	-2,1609
21	998	0,0040	PASS	-0,0636	21	1021	0,4414	PASS	0,6677
22	989	0,1210	PASS	-0,3496	22	973	0,7285	PASS	-0,8578
23	1044	1,9360	PASS	1,3984	23	1051	2,6020	PASS	1,6212
24	974	0,6760	PASS	-0,8263	24	984	0,2557	PASS	-0,5082
25	962	1,4440	PASS	-1,2077	25	1004	0,0161	PASS	0,1274
26	1028	0,7840	PASS	0,8899	26	1017	0,2893	PASS	0,5406
27	1021	0,4410	PASS	0,6674	27	996	0,0159	PASS	-0,1268
28	979	0,4410	PASS	-0,6674	28	989	0,1208	PASS	-0,3493
29	979	0,4410	PASS	-0,6674	29	1006	0,0361	PASS	0,1910
30	1006	0,0360	PASS	0,1907	30	981	0,3606	PASS	-0,6035
31	974	0,6760	PASS	-0,8263	31	1033	1,0897	PASS	1,0491
32	1028	0,7840	PASS	0,8899	32	1059	3,4822	PASS	1,8755
33	999	0,0010	PASS	-0,0318	33	963	1,3683	PASS	-1,1756

34	1031	0,9610	PASS	0,9852	34	1002	0,0040	PASS	0,0639
35	958	1,7640	PASS	-1,3348	35	1105	11,0272	FAIL	3,3375
36	1023	0,5290	PASS	0,7310	36	1019	0,3614	PASS	0,6042
37	1001	0,0010	PASS	0,0318	37	1041	1,6818	PASS	1,3034
38	1022	0,4840	PASS	0,6992	38	1015	0,2253	PASS	0,4771
39	992	0,0640	PASS	-0,2543	39	1002	0,0040	PASS	0,0639
40	967	1,0890	PASS	-1,0488	40	1016	0,2563	PASS	0,5088
41	972	0,7840	PASS	-0,8899	41	1052	2,7051	PASS	1,6530
42	945	3,0250	PASS	-1,7480	42	970	0,8994	PASS	-0,9531
43	968	1,0240	PASS	-1,0170	43	1018	0,3244	PASS	0,5724
44	991	0,0810	PASS	-0,2860	44	1002	0,0040	PASS	0,0639
45	982	0,3240	PASS	-0,5721	45	955	2,0241	PASS	-1,4299
46	1043	1,8490	PASS	1,3666	46	999	0,0010	PASS	-0,0315
47	1010	0,1000	PASS	0,3178	47	978	0,4836	PASS	-0,6989
48	936	4,0960	PASS	-2,0341	48	998	0,0040	PASS	-0,0632
49	989	0,1210	PASS	-0,3496	49	1014	0,1963	PASS	0,4453
50	1018	0,3240	PASS	0,5721	50	1013	0,1693	PASS	0,4135
51	1067	4,4890	PASS	2,1294	51	963	1,3683	PASS	-1,1756
52	1000	0,0000	PASS	0,0000	52	1010	0,1002	PASS	0,3181
53	1044	1,9360	PASS	1,3984	53	949	2,6000	PASS	-1,6206
54	964	1,2960	PASS	-1,1442	54	958	1,7632	PASS	-1,3345
55	972	0,7840	PASS	-0,8899	55	984	0,2557	PASS	-0,5082
56	976	0,5760	PASS	-0,7628	56	1019	0,3614	PASS	0,6042
57	972	0,7840	PASS	-0,8899	57	1008	0,0642	PASS	0,2546
58	1088	7,7440	PASS	2,7968	58	955	2,0241	PASS	-1,4299
59	1001	0,0010	PASS	0,0318	59	952	2,3031	PASS	-1,5252
60	942	3,3640	PASS	-1,8434	60	976	0,5755	PASS	-0,7625
61	1022	0,4840	PASS	0,6992	61	1015	0,2253	PASS	0,4771
62	1007	0,0490	PASS	0,2225	62	1002	0,0040	PASS	0,0639
63	1000	0,0000	PASS	0,0000	63	981	0,3606	PASS	-0,6035
64	983	0,2890	PASS	-0,5403	64	969	0,9604	PASS	-0,9849
65	970	0,9000	PASS	-0,9535	65	1007	0,0491	PASS	0,2228
66	1001	0,0010	PASS	0,0318	66	987	0,1687	PASS	-0,4129
67	989	0,1210	PASS	-0,3496	67	991	0,0808	PASS	-0,2857
68	966	1,1560	PASS	-1,0806	68	1011	0,1212	PASS	0,3499
69	1004	0,0160	PASS	0,1271	69	1018	0,3244	PASS	0,5724
70	988	0,1440	PASS	-0,3814	70	1034	1,1567	PASS	1,0809
71	972	0,7840	PASS	-0,8899	71	1007	0,0491	PASS	0,2228
72	1001	0,0010	PASS	0,0318	72	989	0,1208	PASS	-0,3493
73	966	1,1560	PASS	-1,0806	73	995	0,0249	PASS	-0,1586
74	971	0,8410	PASS	-0,9217	74	954	2,1151	PASS	-1,4617
75	1020	0,4000	PASS	0,6356	75	1001	0,0010	PASS	0,0321
76	1006	0,0360	PASS	0,1907	76	1031	0,9616	PASS	0,9856
77	1027	0,7290	PASS	0,8581	77	998	0,0040	PASS	-0,0632
78	1059	3,4810	PASS	1,8751	78	1054	2,9171	PASS	1,7166
79	1051	2,6010	PASS	1,6209	79	992	0,0638	PASS	-0,2539
80	1036	1,2960	PASS	1,1442	80	997	0,0089	PASS	-0,0950
81	977	0,5290	PASS	-0,7310	81	1035	1,2257	PASS	1,1127
82	933	4,4890	PASS	-2,1294	82	998	0,0040	PASS	-0,0632
83	976	0,5760	PASS	-0,7628	83	1001	0,0010	PASS	0,0321
84	993	0,0490	PASS	-0,2225	84	980	0,3996	PASS	-0,6353
85	964	1,2960	PASS	-1,1442	85	993	0,0489	PASS	-0,2222
86	963	1,3690	PASS	-1,1759	86	976	0,5755	PASS	-0,7625
87	977	0,5290	PASS	-0,7310	87	989	0,1208	PASS	-0,3493

88	1028	0,7840	PASS	0,8899	88	971	0,8404	PASS	-0,9214
89	1008	0,0640	PASS	0,2543	89	1022	0,4844	PASS	0,6995
90	998	0,0040	PASS	-0,0636	90	946	2,9149	PASS	-1,7159
91	1027	0,7290	PASS	0,8581	91	959	1,6802	PASS	-1,3028
92	999	0,0010	PASS	-0,0318	92	1007	0,0491	PASS	0,2228
93	1045	2,0250	PASS	1,4302	93	979	0,4406	PASS	-0,6671
94	987	0,1690	PASS	-0,4132	94	1013	0,1693	PASS	0,4135
95	1009	0,0810	PASS	0,2860	95	943	3,2479	PASS	-1,8113
96	964	1,2960	PASS	-1,1442	96	985	0,2247	PASS	-0,4764
97	1037	1,3690	PASS	1,1759	97	969	0,9604	PASS	-0,9849
98	1035	1,2250	PASS	1,1124	98	966	1,1553	PASS	-1,0803
99	999	0,0010	PASS	-0,0318	99	1073	5,3305	PASS	2,3204



3.3 Draw for game Coinflip (0 - 1)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-0,492	0,492
Differential outcomes:	-0,783	0,783

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	1		
χ - max	**α/2 =**	0,025	**5,024**	97,50%
χ - min	**1 – α/2 =**	0,975	**0,001**	2,50%

χ2 :	**0,242**	37,72%
χ2 (w):	**0,613**	56,63%

RUNS TEST

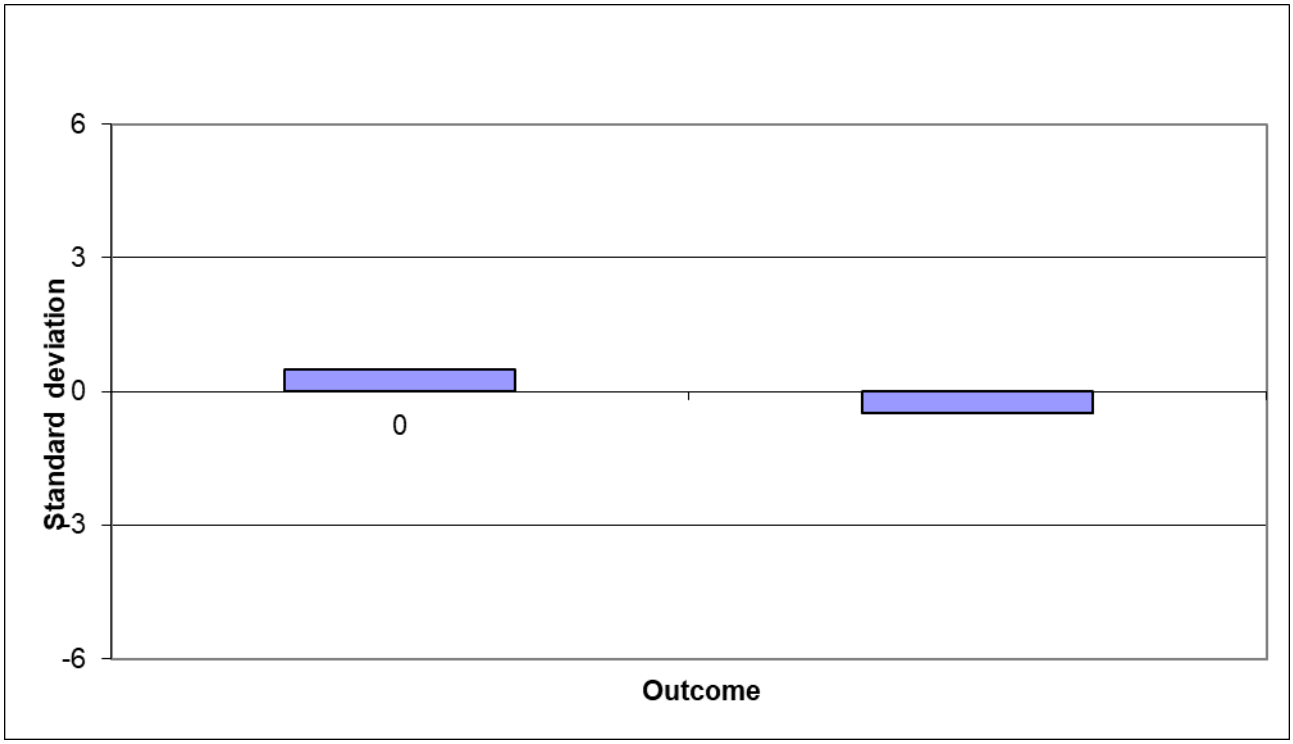
Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	989
Below average:	N2 (-1)	1011
Number of runs:	R	983

Limits	**1,96**
E(R)	1000,88
σ(R)	22,35
z	-0,80

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	1011	0,1210	PASS	0,4919	0	1017	0,3064	PASS	0,7828
1	989	0,1210	PASS	-0,4919	1	982	0,3064	PASS	-0,7828



3.4 Draw for game Hilo (0 – 51)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes:	PASS	Differential outcomes:	PASS

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-2,523	2,076
Differential outcomes:	-2,554	2,587

CHI-SQUARE TEST

Direct outcomes:	PASS	Differential outcomes:	PASS

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	51		
χ - max	**α/2 =**	0,025	**72,616**	97,50%
χ - min	**1 – α/2 =**	0,975	**33,162**	2,50%

χ2 :	**53,400**	61,78%
χ2 (w):	**54,608**	66,09%

RUNS TEST

Direct outcomes:	PASS

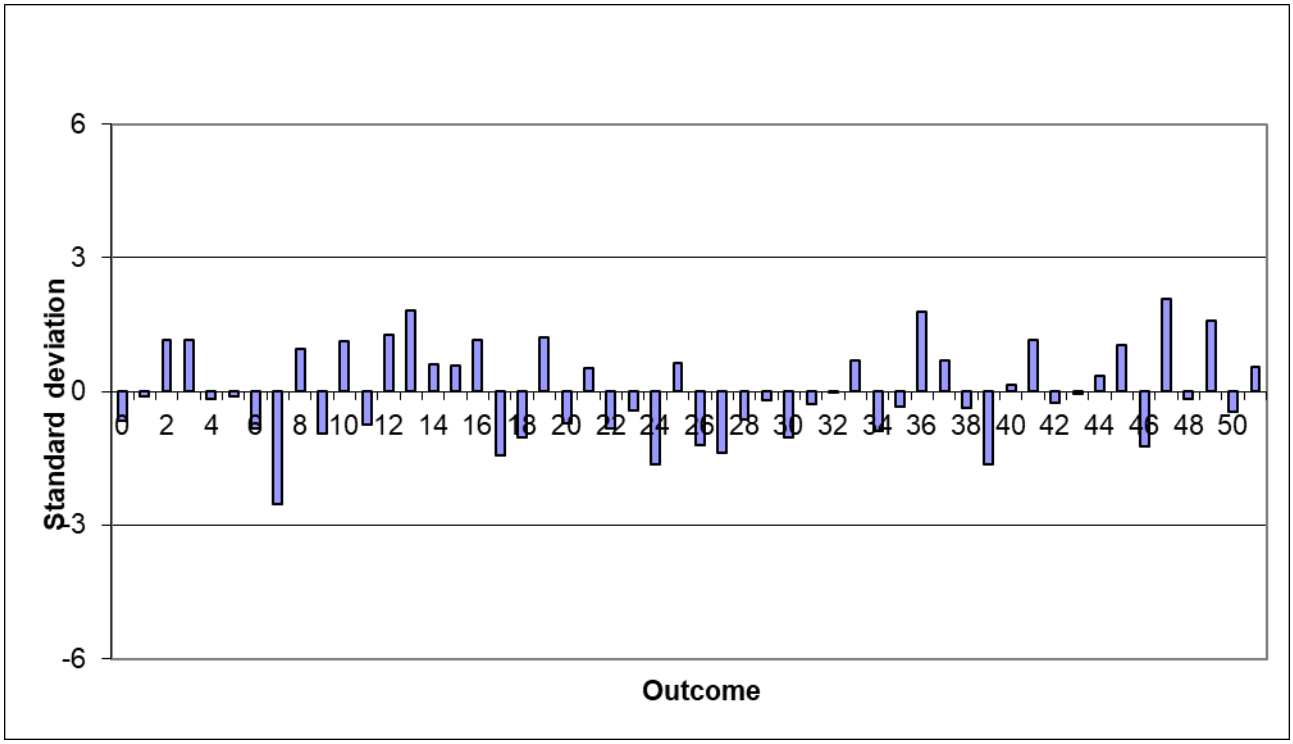
Set confidence level (CL = 1 - α):	95	%

Above average:	N1 (1)	25998
Below average:	N2 (-1)	26002
Number of runs:	R	25951

Limits	1,96
E(R)	26001,00
σ(R)	114,02
z	-0,44

Direct outcomes					Differential outcomes				
x_i	*k_i*	χ2	3σ	*s_i*	*w_i*	*k(w_i)*	χ2	3σ	*s_i*
0	979	0,4410	PASS	-0,6706	0	1014	0,1965	PASS	0,4477
1	997	0,0090	PASS	-0,0958	1	1004	0,0162	PASS	0,1283
2	1036	1,2960	PASS	1,1495	2	1000	0,0000	PASS	0,0006
3	1036	1,2960	PASS	1,1495	3	1032	1,0253	PASS	1,0224
4	995	0,0250	PASS	-0,1597	4	977	0,5281	PASS	-0,7338
5	997	0,0090	PASS	-0,0958	5	973	0,7280	PASS	-0,8615
6	974	0,6760	PASS	-0,8302	6	1015	0,2256	PASS	0,4796
7	921	6,2410	PASS	-2,5226	7	1053	2,8111	PASS	1,6930
8	1030	0,9000	PASS	0,9579	8	947	2,8070	PASS	-1,6918
9	970	0,9000	PASS	-0,9579	9	1002	0,0041	PASS	0,0645
10	1035	1,2250	PASS	1,1176	10	1013	0,1695	PASS	0,4157
11	977	0,5290	PASS	-0,7344	11	1040	1,6016	PASS	1,2779
12	1040	1,6000	PASS	1,2773	12	1005	0,0252	PASS	0,1603
13	1057	3,2490	PASS	1,8201	13	959	1,6795	PASS	-1,3086
14	1019	0,3610	PASS	0,6067	14	1029	0,8421	PASS	0,9266
15	1018	0,3240	PASS	0,5748	15	1035	1,2264	PASS	1,1182
16	1036	1,2960	PASS	1,1495	16	1007	0,0493	PASS	0,2241
17	955	2,0250	PASS	-1,4369	17	962	1,4426	PASS	-1,2128
18	968	1,0240	PASS	-1,0218	18	998	0,0039	PASS	-0,0632
19	1038	1,4440	PASS	1,2134	19	972	0,7829	PASS	-0,8935
20	978	0,4840	PASS	-0,7025	20	1008	0,0643	PASS	0,2561
21	1016	0,2560	PASS	0,5109	21	1001	0,0010	PASS	0,0325
22	974	0,6760	PASS	-0,8302	22	924	5,7732	PASS	-2,4262
23	987	0,1690	PASS	-0,4151	23	920	6,3970	PASS	-2,5539
24	949	2,6010	PASS	-1,6285	24	997	0,0089	PASS	-0,0952
25	1020	0,4000	PASS	0,6386	25	1027	0,7301	PASS	0,8628
26	962	1,4440	PASS	-1,2134	26	1035	1,2264	PASS	1,1182
27	957	1,8490	PASS	-1,3730	27	970	0,8989	PASS	-0,9573
28	980	0,4000	PASS	-0,6386	28	1012	0,1445	PASS	0,3838
29	994	0,0360	PASS	-0,1916	29	993	0,0487	PASS	-0,2229
30	968	1,0240	PASS	-1,0218	30	1006	0,0362	PASS	0,1922
31	991	0,0810	PASS	-0,2874	31	1002	0,0041	PASS	0,0645
32	999	0,0010	PASS	-0,0319	32	991	0,0807	PASS	-0,2868
33	1022	0,4840	PASS	0,7025	33	1028	0,7851	PASS	0,8947
34	972	0,7840	PASS	-0,8941	34	1026	0,6770	PASS	0,8308
35	989	0,1210	PASS	-0,3512	35	987	0,1685	PASS	-0,4145
36	1056	3,1360	PASS	1,7882	36	1053	2,8111	PASS	1,6930
37	1022	0,4840	PASS	0,7025	37	1036	1,2974	PASS	1,1502
38	988	0,1440	PASS	-0,3832	38	950	2,4981	PASS	-1,5960
39	949	2,6010	PASS	-1,6285	39	987	0,1685	PASS	-0,4145

40	1005	0,0250	PASS	0,1597	40	1015	0,2256	PASS	0,4796
41	1036	1,2960	PASS	1,1495	41	992	0,0637	PASS	-0,2548
42	992	0,0640	PASS	-0,2555	42	1013	0,1695	PASS	0,4157
43	998	0,0040	PASS	-0,0639	43	979	0,4402	PASS	-0,6699
44	1011	0,1210	PASS	0,3512	44	945	3,0229	PASS	-1,7556
45	1033	1,0890	PASS	1,0537	45	1041	1,6826	PASS	1,3098
46	961	1,5210	PASS	-1,2453	46	982	0,3233	PASS	-0,5742
47	1065	4,2250	PASS	2,0755	47	998	0,0039	PASS	-0,0632
48	995	0,0250	PASS	-0,1597	48	998	0,0039	PASS	-0,0632
49	1050	2,5000	PASS	1,5966	49	955	2,0233	PASS	-1,4363
50	986	0,1960	PASS	-0,4470	50	1010	0,1004	PASS	0,3199
51	1017	0,2890	PASS	0,5428	51	1081	6,5642	PASS	2,5871



3.5 Draw for game Circle (0 – 54)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,468	1,883
Differential outcomes:	-2,840	2,745

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	54		
χ - max	**α/2 =**	0,025	**76,192**	97,50%
χ - min	**1 – α/2 =**	0,975	**35,586**	2,50%
χ2 :		**40,686**		9,03%
χ2 (w):		**58,964**		70,11%

RUNS TEST

Direct outcomes: **PASS**

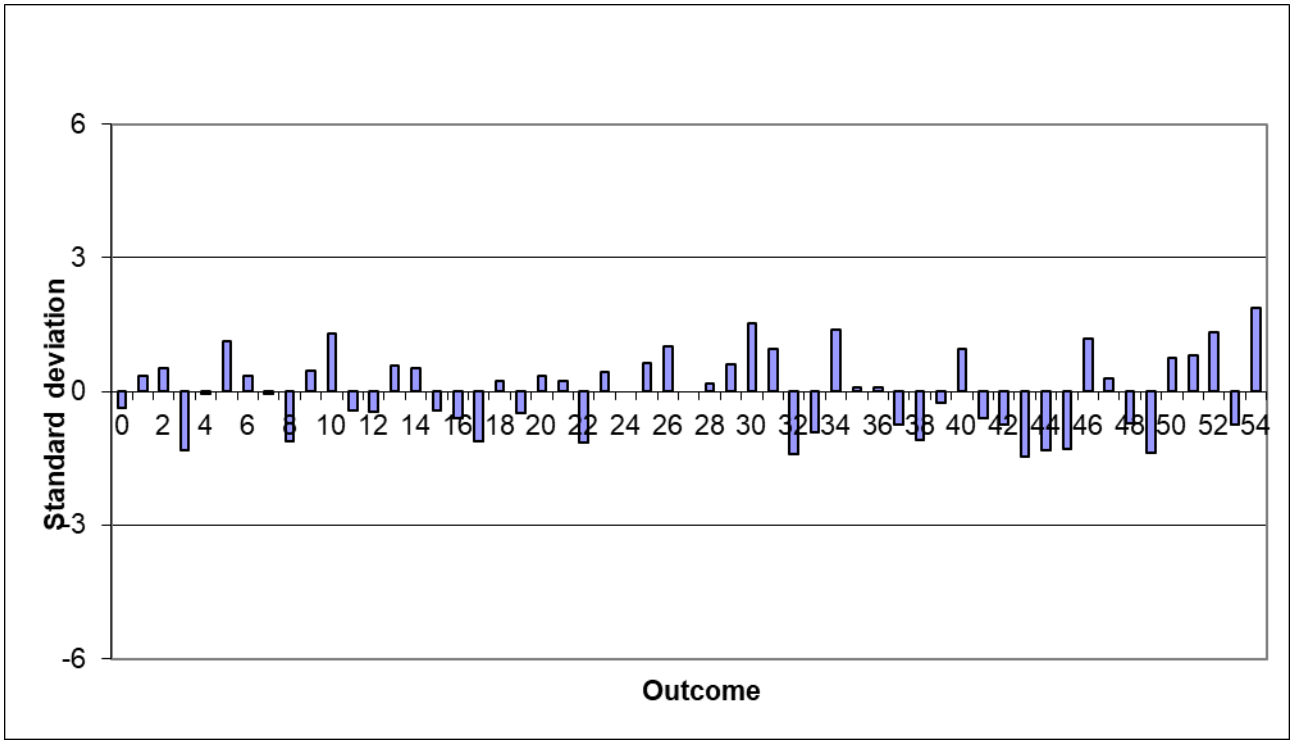
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	27983
Below average:	N2 (-1)	27017
Number of runs:	R	27288

Limits	**1,96**
E(R)	27492,52
σ(R)	117,22
z	-1,74

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	988	0,1440	PASS	-0,3830	0	981	0,3603	PASS	-0,6058
1	1011	0,1210	PASS	0,3511	1	1019	0,3617	PASS	0,6070
2	1016	0,2560	PASS	0,5106	2	971	0,8400	PASS	-0,9249
3	959	1,6810	PASS	-1,3085	3	1014	0,1965	PASS	0,4474
4	998	0,0040	PASS	-0,0638	4	946	2,9141	PASS	-1,7228
5	1035	1,2250	PASS	1,1170	5	938	3,8418	PASS	-1,9781
6	1011	0,1210	PASS	0,3511	6	1062	3,8463	PASS	1,9793
7	998	0,0040	PASS	-0,0638	7	972	0,7830	PASS	-0,8930
8	965	1,2250	PASS	-1,1170	8	1051	2,6029	PASS	1,6282

9	1015	0,2250	PASS	0,4787	9	985	0,2245	PASS	-0,4781
10	1041	1,6810	PASS	1,3085	10	994	0,0358	PASS	-0,1909
11	987	0,1690	PASS	-0,4149	11	977	0,5282	PASS	-0,7335
12	986	0,1960	PASS	-0,4468	12	1086	7,3993	PASS	2,7452
13	1018	0,3240	PASS	0,5745	13	1008	0,0643	PASS	0,2559
14	1016	0,2560	PASS	0,5106	14	934	4,3537	PASS	-2,1058
15	987	0,1690	PASS	-0,4149	15	995	0,0248	PASS	-0,1590
16	981	0,3610	PASS	-0,6064	16	1025	0,6259	PASS	0,7984
17	965	1,2250	PASS	-1,1170	17	1007	0,0493	PASS	0,2240
18	1007	0,0490	PASS	0,2234	18	1047	2,2107	PASS	1,5006
19	985	0,2250	PASS	-0,4787	19	980	0,3993	PASS	-0,6377
20	1011	0,1210	PASS	0,3511	20	1035	1,2263	PASS	1,1176
21	1007	0,0490	PASS	0,2234	21	1018	0,3247	PASS	0,5750
22	964	1,2960	PASS	-1,1489	22	1030	0,9011	PASS	0,9580
23	1014	0,1960	PASS	0,4468	23	1010	0,1004	PASS	0,3197
24	1000	0,0000	PASS	0,0000	24	989	0,1206	PASS	-0,3505
25	1020	0,4000	PASS	0,6383	25	1011	0,1214	PASS	0,3516
26	1032	1,0240	PASS	1,0213	26	949	2,5992	PASS	-1,6271
27	1000	0,0000	PASS	0,0000	27	986	0,1955	PASS	-0,4462
28	1006	0,0360	PASS	0,1915	28	1024	0,5769	PASS	0,7665
29	1019	0,3610	PASS	0,6064	29	1003	0,0091	PASS	0,0963
30	1048	2,3040	PASS	1,5319	30	989	0,1206	PASS	-0,3505
31	1030	0,9000	PASS	0,9574	31	1011	0,1214	PASS	0,3516
32	956	1,9360	PASS	-1,4042	32	966	1,1548	PASS	-1,0845
33	971	0,8410	PASS	-0,9255	33	1003	0,0091	PASS	0,0963
34	1043	1,8490	PASS	1,3723	34	996	0,0159	PASS	-0,1271
35	1003	0,0090	PASS	0,0957	35	979	0,4402	PASS	-0,6696
36	1003	0,0090	PASS	0,0957	36	1025	0,6259	PASS	0,7984
37	977	0,5290	PASS	-0,7340	37	1014	0,1965	PASS	0,4474
38	966	1,1560	PASS	-1,0851	38	1016	0,2566	PASS	0,5112
39	992	0,0640	PASS	-0,2553	39	1014	0,1965	PASS	0,4474
40	1030	0,9000	PASS	0,9574	40	967	1,0878	PASS	-1,0526
41	981	0,3610	PASS	-0,6064	41	911	7,9179	PASS	-2,8398
42	977	0,5290	PASS	-0,7340	42	1011	0,1214	PASS	0,3516
43	954	2,1160	PASS	-1,4681	43	1027	0,7300	PASS	0,8623
44	959	1,6810	PASS	-1,3085	44	957	1,8475	PASS	-1,3717
45	960	1,6000	PASS	-1,2766	45	1027	0,7300	PASS	0,8623
46	1037	1,3690	PASS	1,1808	46	967	1,0878	PASS	-1,0526
47	1009	0,0810	PASS	0,2872	47	1046	2,1177	PASS	1,4686
48	978	0,4840	PASS	-0,7021	48	997	0,0089	PASS	-0,0952
49	957	1,8490	PASS	-1,3723	49	976	0,5751	PASS	-0,7654
50	1024	0,5760	PASS	0,7659	50	1002	0,0041	PASS	0,0644
51	1025	0,6250	PASS	0,7979	51	1001	0,0010	PASS	0,0325
52	1042	1,7640	PASS	1,3404	52	995	0,0248	PASS	-0,1590
53	977	0,5290	PASS	-0,7340	53	1038	1,4454	PASS	1,2133
54	1059	3,4810	PASS	1,8829	54	1017	0,2896	PASS	0,5431



3.6 Draw for game Ring

3.6.1 Draw for game Ring (0 - 9)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes:	**PASS**	Differential outcomes:	**PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,367	1,367
Differential outcomes:	-0,763	1,437

CHI-SQUARE TEST

Direct outcomes:	**PASS**	Differential outcomes:	**PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	9		
χ - max	**α/2 =**	0,025	**19,023**	97,50%
χ - min	**1 – α/2 =**	0,975	**2,700**	2,50%
χ2 :		**5,760**		23,63%
χ2 (w):		**3,703**		7,02%

RUNS TEST

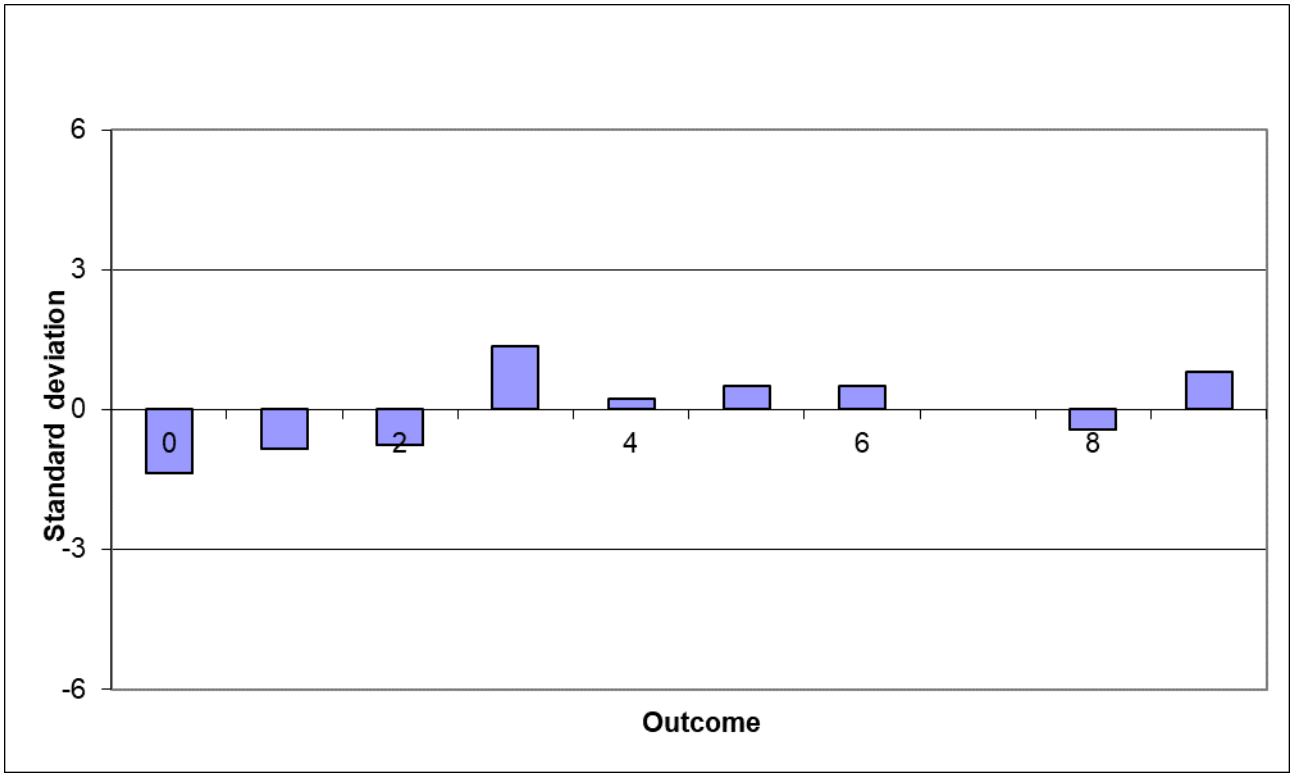
Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	5041
Below average:	N2 (-1)	4959
Number of runs:	R	5063

Limits	**1,96**
E(R)	5000,66
σ(R)	49,99
z	1,25

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	959	1,6810	PASS	-1,3667	0	982	0,3204	PASS	-0,5967
1	975	0,6250	PASS	-0,8333	1	1043	1,8578	PASS	1,4367
2	977	0,5290	PASS	-0,7667	2	1001	0,0012	PASS	0,0367
3	1041	1,6810	PASS	1,3667	3	1019	0,3648	PASS	0,6367
4	1007	0,0490	PASS	0,2333	4	989	0,1188	PASS	-0,3634
5	1015	0,2250	PASS	0,5000	5	982	0,3204	PASS	-0,5967
6	1015	0,2250	PASS	0,5000	6	1008	0,0656	PASS	0,2700
7	1000	0,0000	PASS	0,0000	7	1007	0,0504	PASS	0,2367
8	987	0,1690	PASS	-0,4333	8	977	0,5245	PASS	-0,7634
9	1024	0,5760	PASS	0,8000	9	991	0,0792	PASS	-0,2967



3.6.2 Draw for game Ring (0 - 19)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,428	1,622
Differential outcomes:	-1,556	1,883

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	19		
χ - max	**α/2 =**	0,025	**32,852**	97,50%
χ - min	**1 – α/2 =**	0,975	**8,907**	2,50%

χ2 :	**13,616**	19,44%
χ2 (w):	**17,752**	46,09%

RUNS TEST

Direct outcomes: **PASS**

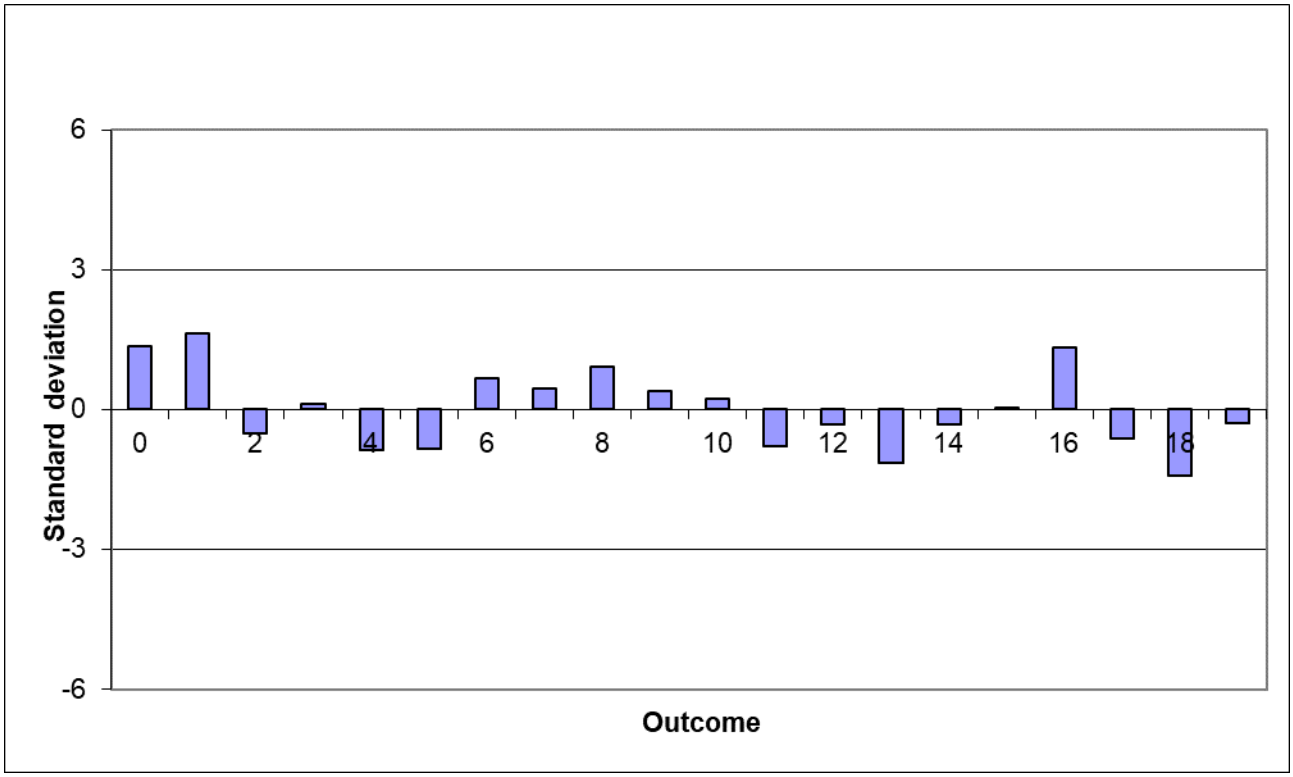
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	9898
Below average:	N2 (-1)	10102
Number of runs:	R	10111

Limits	**1,96**
E(R)	9999,96
σ(R)	70,70
z	1,57

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	1042	1,7640	PASS	1,3627	0	983	0,2873	PASS	-0,5499
1	1050	2,5000	PASS	1,6222	1	978	0,4818	PASS	-0,7122
2	984	0,2560	PASS	-0,5191	2	1004	0,0164	PASS	0,1314
3	1004	0,0160	PASS	0,1298	3	1041	1,6852	PASS	1,3319
4	973	0,7290	PASS	-0,8760	4	1015	0,2265	PASS	0,4883
5	974	0,6760	PASS	-0,8436	5	952	2,2993	PASS	-1,5557
6	1021	0,4410	PASS	0,6813	6	1009	0,0819	PASS	0,2936
7	1014	0,1960	PASS	0,4542	7	964	1,2925	PASS	-1,1664
8	1028	0,7840	PASS	0,9084	8	1009	0,0819	PASS	0,2936
9	1012	0,1440	PASS	0,3893	9	956	1,9317	PASS	-1,4260
10	1007	0,0490	PASS	0,2271	10	1049	2,4060	PASS	1,5914

11	976	0,5760	PASS	-0,7787	11	1018	0,3258	PASS	0,5856
12	990	0,1000	PASS	-0,3244	12	986	0,1946	PASS	-0,4526
13	965	1,2250	PASS	-1,1355	13	1011	0,1221	PASS	0,3585
14	990	0,1000	PASS	-0,3244	14	990	0,0990	PASS	-0,3228
15	1001	0,0010	PASS	0,0324	15	1058	3,3700	PASS	1,8834
16	1041	1,6810	PASS	1,3302	16	1027	0,7317	PASS	0,8776
17	981	0,3610	PASS	-0,6164	17	985	0,2235	PASS	-0,4851
18	956	1,9360	PASS	-1,4275	18	1007	0,0497	PASS	0,2287
19	991	0,0810	PASS	-0,2920	19	957	1,8448	PASS	-1,3935



3.6.3 Draw for game Ring (0 - 29)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,383	1,640
Differential outcomes:	-2,154	1,963

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	29		
χ - max	**α/2 =**	0,025	**45,722**	97,50%
χ - min	**1 – α/2 =**	0,975	**16,047**	2,50%
χ2 :		**23,042**		22,54%
χ2 (w):		**29,348**		55,29%

RUNS TEST

Direct outcomes: **PASS**

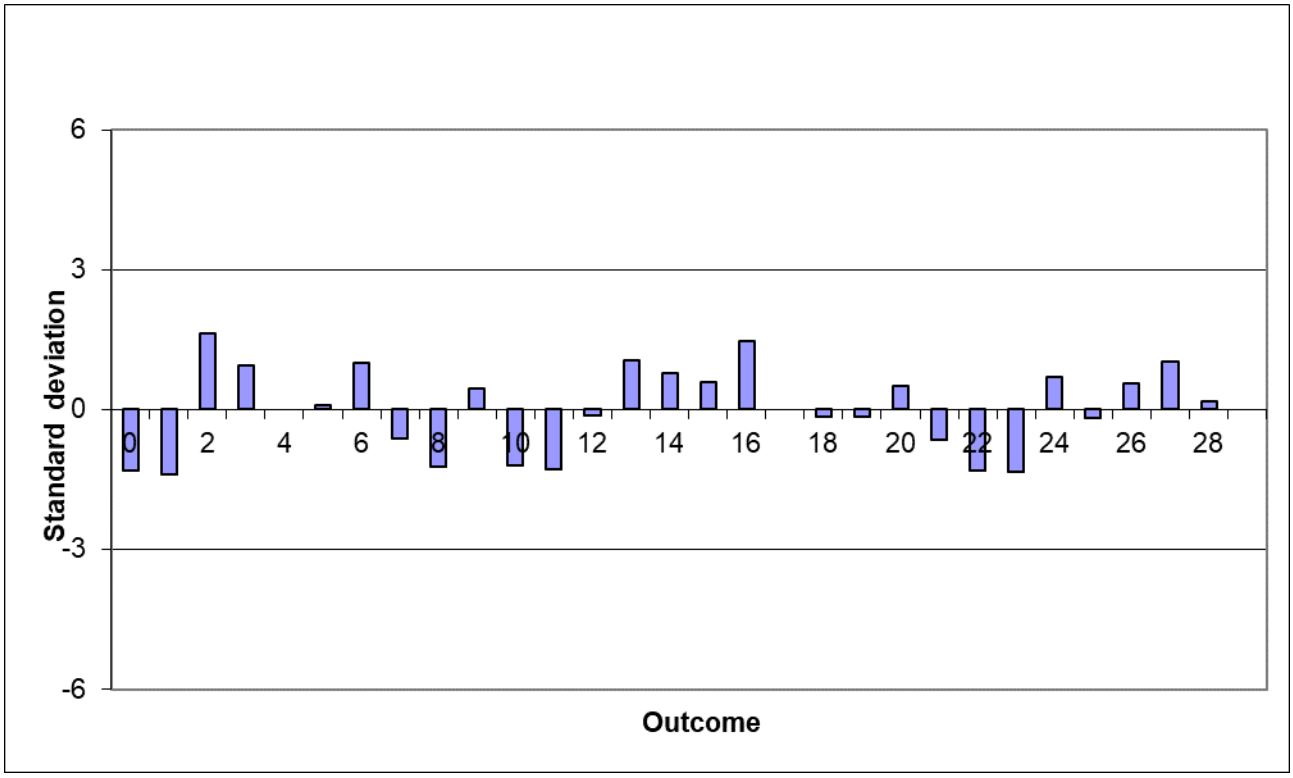
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	15037
Below average:	N2 (-1)	14963
Number of runs:	R	15070

Limits	**1,96**
E(R)	15000,91
σ(R)	86,60
z	0,80

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	959	1,6810	PASS	-1,3187	0	1019	0,3623	PASS	0,6122
1	957	1,8490	PASS	-1,3830	1	1015	0,2260	PASS	0,4835
2	1051	2,6010	PASS	1,6403	2	933	4,4847	PASS	-2,1539
3	1029	0,8410	PASS	0,9327	3	968	1,0219	PASS	-1,0282
4	1000	0,0000	PASS	0,0000	4	1034	1,1583	PASS	1,0946
5	1003	0,0090	PASS	0,0965	5	960	1,5974	PASS	-1,2855
6	1031	0,9610	PASS	0,9971	6	1039	1,5237	PASS	1,2555
7	981	0,3610	PASS	-0,6111	7	1038	1,4466	PASS	1,2233
8	962	1,4440	PASS	-1,2222	8	939	3,7171	PASS	-1,9609
9	1014	0,1960	PASS	0,4503	9	1016	0,2571	PASS	0,5157
10	963	1,3690	PASS	-1,1900	10	982	0,3228	PASS	-0,5779
11	960	1,6000	PASS	-1,2865	11	978	0,4826	PASS	-0,7065
12	996	0,0160	PASS	-0,1287	12	1061	3,7252	PASS	1,9631
13	1033	1,0890	PASS	1,0614	13	1008	0,0645	PASS	0,2584
14	1024	0,5760	PASS	0,7719	14	1025	0,6267	PASS	0,8052
15	1018	0,3240	PASS	0,5789	15	1022	0,4855	PASS	0,7087
16	1046	2,1160	PASS	1,4795	16	1016	0,2571	PASS	0,5157
17	1000	0,0000	PASS	0,0000	17	952	2,3009	PASS	-1,5428
18	995	0,0250	PASS	-0,1608	18	1031	0,9631	PASS	0,9982
19	995	0,0250	PASS	-0,1608	19	1008	0,0645	PASS	0,2584
20	1016	0,2560	PASS	0,5146	20	1011	0,1217	PASS	0,3549
21	980	0,4000	PASS	-0,6433	21	977	0,5275	PASS	-0,7387
22	959	1,6810	PASS	-1,3187	22	992	0,0635	PASS	-0,2562
23	958	1,7640	PASS	-1,3509	23	969	0,9590	PASS	-0,9960
24	1022	0,4840	PASS	0,7076	24	956	1,9331	PASS	-1,4141
25	994	0,0360	PASS	-0,1930	25	1005	0,0253	PASS	0,1619
26	1017	0,2890	PASS	0,5468	26	1004	0,0163	PASS	0,1297
27	1032	1,0240	PASS	1,0292	27	1013	0,1699	PASS	0,4192
28	1005	0,0250	PASS	0,1608	28	1009	0,0816	PASS	0,2905

29	1000	0,0000	PASS	0,0000	29	1019	0,3623	PASS	0,6122



3.6.4 Draw for game Ring (0 - 39)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes:	PASS	Differential outcomes:	PASS

Set allowable limit in std. deviations:	3	σ

	min	max
Direct outcomes:	-2,594	2,306
Differential outcomes:	-2,465	3,267

CHI-SQUARE TEST

Direct outcomes:	PASS	Differential outcomes:	PASS

Set confidence level (CL = 1 - α):	95	%

Limits:

Degrees of freedom	**DF =**	39		
χ - max	**α/2 =**	0,025	**58,120**	97,50%
χ - min	**1 – α/2 =**	0,975	**23,654**	2,50%
χ2 :		**45,440**		77,85%
χ2 (w):		**45,922**		79,28%

RUNS TEST

Direct outcomes:	PASS

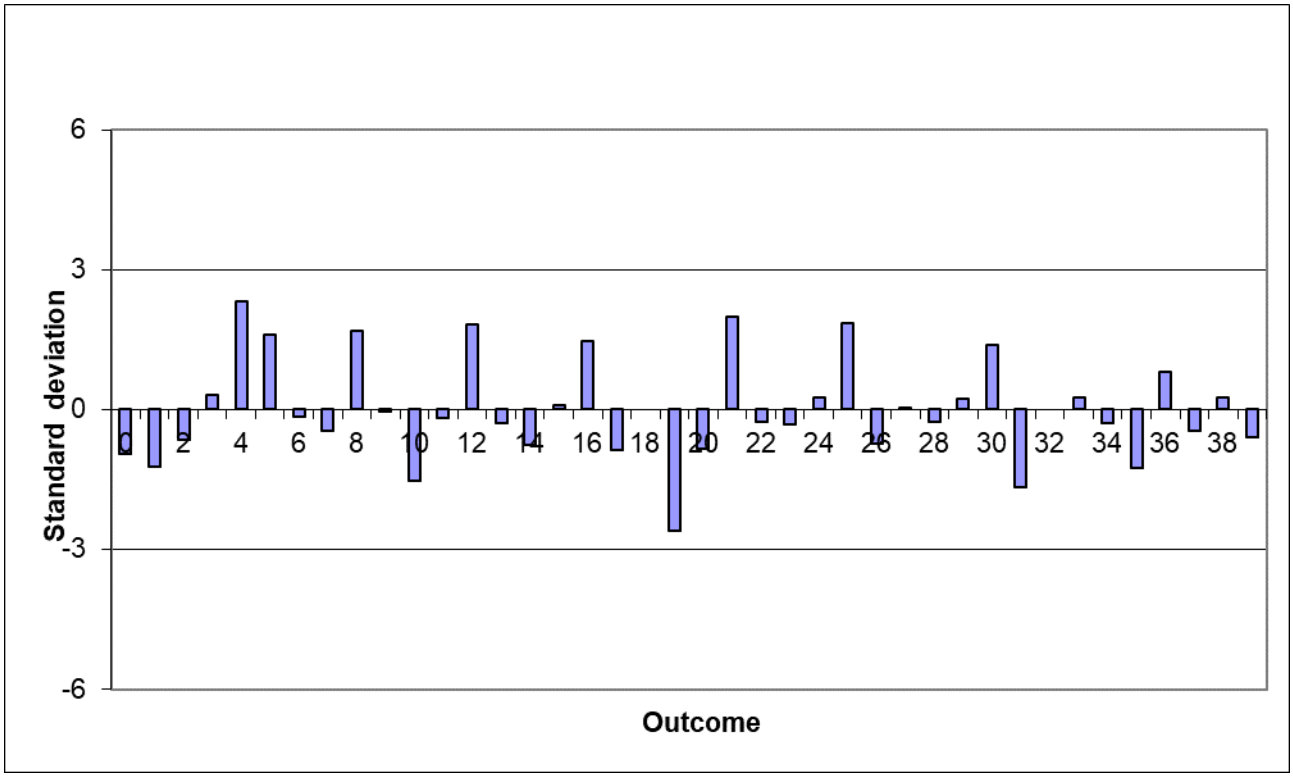
Set confidence level (CL = 1 - α):	95	%

Above average:	N1 (1)	20012
Below average:	N2 (-1)	19988
Number of runs:	R	20086

Limits	**1,96**
E(R)	20000,99
σ(R)	100,00
z	0,85

Direct outcomes					Differential outcomes				
x_i	***k_i***	***χ2***	***3σ***	***s_i***	***w_i***	***k(w_i)***	***χ2***	***3σ***	***s_i***
0	970	0,9000	PASS	-0,9608	0	980	0,3990	PASS	-0,6397
1	962	1,4440	PASS	-1,2170	1	958	1,7619	PASS	-1,3443
2	980	0,4000	PASS	-0,6405	2	994	0,0357	PASS	-0,1914
3	1010	0,1000	PASS	0,3203	3	1002	0,0041	PASS	0,0649
4	1072	5,1840	PASS	2,3058	4	978	0,4829	PASS	-0,7038
5	1050	2,5000	PASS	1,6013	5	1020	0,4010	PASS	0,6413
6	995	0,0250	PASS	-0,1601	6	996	0,0158	PASS	-0,1273
7	986	0,1960	PASS	-0,4484	7	1017	0,2899	PASS	0,5452
8	1053	2,8090	PASS	1,6974	8	962	1,4421	PASS	-1,2162
9	999	0,0010	PASS	-0,0320	9	1003	0,0092	PASS	0,0969
10	952	2,3040	PASS	-1,5372	10	972	0,7826	PASS	-0,8959
11	994	0,0360	PASS	-0,1922	11	1005	0,0253	PASS	0,1609
12	1057	3,2490	PASS	1,8255	12	1031	0,9626	PASS	0,9936
13	991	0,0810	PASS	-0,2882	13	985	0,2243	PASS	-0,4796
14	976	0,5760	PASS	-0,7686	14	1019	0,3620	PASS	0,6093
15	1003	0,0090	PASS	0,0961	15	1020	0,4010	PASS	0,6413
16	1046	2,1160	PASS	1,4732	16	1021	0,4421	PASS	0,6733
17	973	0,7290	PASS	-0,8647	17	996	0,0158	PASS	-0,1273
18	1000	0,0000	PASS	0,0000	18	989	0,1205	PASS	-0,3515
19	919	6,5610	PASS	-2,5941	19	1015	0,2258	PASS	0,4812
20	974	0,6760	PASS	-0,8327	20	1039	1,5230	PASS	1,2498
21	1062	3,8440	PASS	1,9856	21	966	1,1543	PASS	-1,0881
22	992	0,0640	PASS	-0,2562	22	994	0,0357	PASS	-0,1914
23	990	0,1000	PASS	-0,3203	23	1020	0,4010	PASS	0,6413
24	1008	0,0640	PASS	0,2562	24	1045	2,0273	PASS	1,4420
25	1058	3,3640	PASS	1,8575	25	1008	0,0644	PASS	0,2570
26	977	0,5290	PASS	-0,7366	26	983	0,2882	PASS	-0,5436
27	1001	0,0010	PASS	0,0320	27	1012	0,1446	PASS	0,3851
28	992	0,0640	PASS	-0,2562	28	949	2,5985	PASS	-1,6325
29	1007	0,0490	PASS	0,2242	29	973	0,7277	PASS	-0,8639
30	1043	1,8490	PASS	1,3771	30	1057	3,2519	PASS	1,8263
31	948	2,7040	PASS	-1,6653	31	978	0,4829	PASS	-0,7038
32	1000	0,0000	PASS	0,0000	32	926	5,4724	PASS	-2,3691
33	1008	0,0640	PASS	0,2562	33	1026	0,6773	PASS	0,8335
34	991	0,0810	PASS	-0,2882	34	980	0,3990	PASS	-0,6397
35	961	1,5210	PASS	-1,2490	35	1018	0,3249	PASS	0,5773
36	1025	0,6250	PASS	0,8006	36	1102	10,4094	FAIL	3,2675
37	986	0,1960	PASS	-0,4484	37	997	0,0089	PASS	-0,0953

38	1008	0,0640	PASS	0,2562	38	923	5,9253	PASS	-2,4652
39	981	0,3610	PASS	-0,6085	39	1040	1,6020	PASS	1,2818



3.6.5 Draw for game Ring (0 - 49)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-2,651	2,524
Differential outcomes:	-2,204	3,131

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	49		
χ - max	**α/2 =**	0,025	**70,222**	97,50%
χ - min	**1 – α/2 =**	0,975	**31,555**	2,50%
χ2 :		**49,062**		52,94%
χ2 (w):		**56,480**		78,43%

RUNS TEST

Direct outcomes: **PASS**

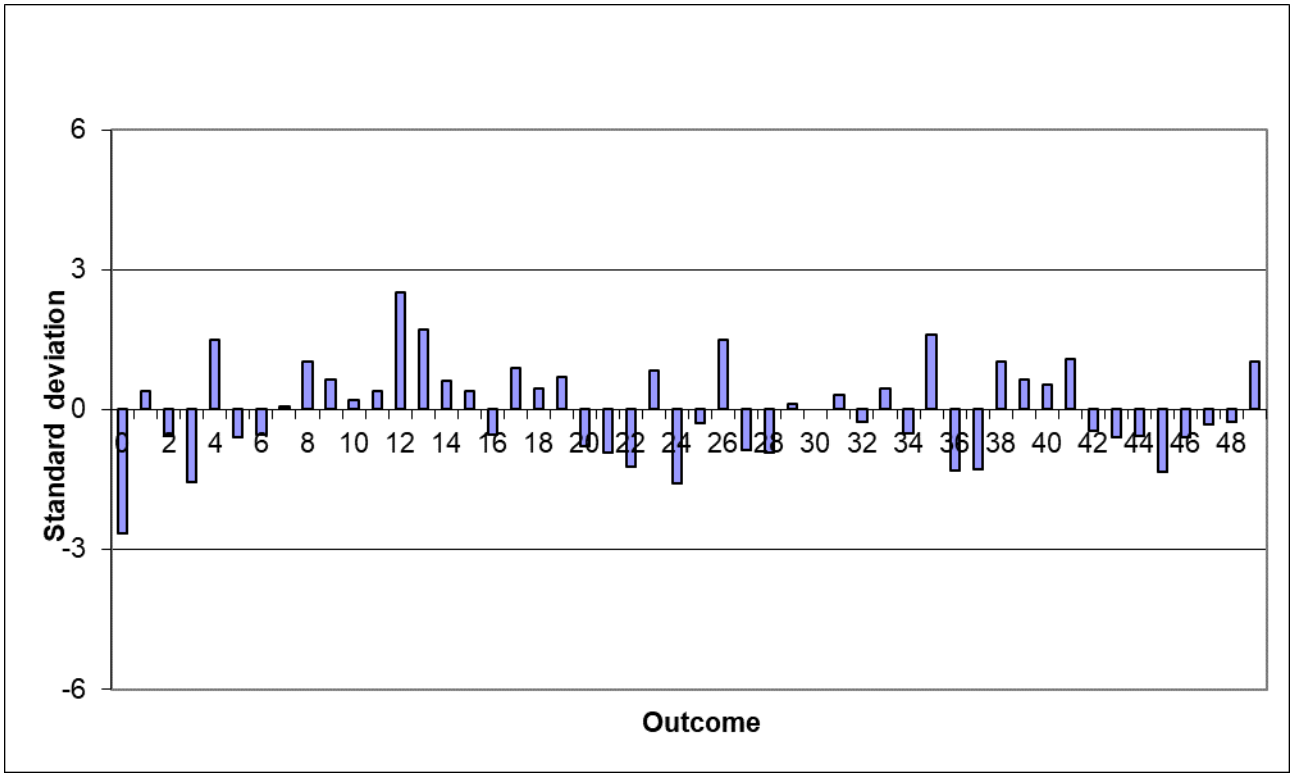
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	24960
Below average:	N2 (-1)	25040
Number of runs:	R	24942

Limits	**1,96**
E(R)	25000,94
σ(R)	111,80
z	-0,53

Direct outcomes					**Differential outcomes**				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	917	6,8890	PASS	-2,6513	0	1032	1,0253	PASS	1,0229
1	1012	0,1440	PASS	0,3833	1	977	0,5281	PASS	-0,7341
2	982	0,3240	PASS	-0,5750	2	1000	0,0000	PASS	0,0006
3	951	2,4010	PASS	-1,5652	3	1049	2,4030	PASS	1,5659
4	1047	2,2090	PASS	1,5014	4	1051	2,6031	PASS	1,6298
5	981	0,3610	PASS	-0,6069	5	976	0,5751	PASS	-0,7660
6	983	0,2890	PASS	-0,5430	6	971	0,8399	PASS	-0,9257
7	1002	0,0040	PASS	0,0639	7	950	2,4981	PASS	-1,5966
8	1032	1,0240	PASS	1,0222	8	1009	0,0814	PASS	0,2881
9	1020	0,4000	PASS	0,6389	9	1025	0,6260	PASS	0,7992
10	1006	0,0360	PASS	0,1917	10	995	0,0248	PASS	-0,1591
11	1012	0,1440	PASS	0,3833	11	1003	0,0091	PASS	0,0965
12	1079	6,2410	PASS	2,5236	12	1068	4,6268	PASS	2,1728
13	1054	2,9160	PASS	1,7250	13	957	1,8473	PASS	-1,3730
14	1019	0,3610	PASS	0,6069	14	990	0,0996	PASS	-0,3188
15	1012	0,1440	PASS	0,3833	15	999	0,0010	PASS	-0,0313
16	983	0,2890	PASS	-0,5430	16	1018	0,3247	PASS	0,5756
17	1028	0,7840	PASS	0,8944	17	1022	0,4849	PASS	0,7034
18	1014	0,1960	PASS	0,4472	18	963	1,3675	PASS	-1,1813
19	1022	0,4840	PASS	0,7028	19	992	0,0637	PASS	-0,2549
20	975	0,6250	PASS	-0,7986	20	995	0,0248	PASS	-0,1591
21	971	0,8410	PASS	-0,9264	21	1001	0,0010	PASS	0,0326
22	962	1,4440	PASS	-1,2139	22	949	2,5990	PASS	-1,6285
23	1026	0,6760	PASS	0,8305	23	1006	0,0362	PASS	0,1923
24	950	2,5000	PASS	-1,5972	24	971	0,8399	PASS	-0,9257
25	991	0,0810	PASS	-0,2875	25	1033	1,0903	PASS	1,0548
26	1047	2,2090	PASS	1,5014	26	968	1,0227	PASS	-1,0216
27	973	0,7290	PASS	-0,8625	27	990	0,0996	PASS	-0,3188
28	971	0,8410	PASS	-0,9264	28	1037	1,3705	PASS	1,1826
29	1004	0,0160	PASS	0,1278	29	931	4,7583	PASS	-2,2035
30	1000	0,0000	PASS	0,0000	30	1007	0,0493	PASS	0,2242
31	1010	0,1000	PASS	0,3194	31	991	0,0806	PASS	-0,2869
32	992	0,0640	PASS	-0,2556	32	982	0,3233	PASS	-0,5744
33	1014	0,1960	PASS	0,4472	33	1044	1,9378	PASS	1,4062
34	984	0,2560	PASS	-0,5111	34	976	0,5751	PASS	-0,7660
35	1050	2,5000	PASS	1,5972	35	952	2,3021	PASS	-1,5327
36	959	1,6810	PASS	-1,3097	36	980	0,3992	PASS	-0,6382

37	960	1,6000	PASS	-1,2778	37	1007	0,0493	PASS	0,2242
38	1032	1,0240	PASS	1,0222	38	1049	2,4030	PASS	1,5659
39	1020	0,4000	PASS	0,6389	39	1031	0,9623	PASS	0,9909
40	1017	0,2890	PASS	0,5430	40	1042	1,7657	PASS	1,3423
41	1034	1,1560	PASS	1,0861	41	1098	9,6081	FAIL	3,1312
42	986	0,1960	PASS	-0,4472	42	995	0,0248	PASS	-0,1591
43	981	0,3610	PASS	-0,6069	43	966	1,1547	PASS	-1,0855
44	982	0,3240	PASS	-0,5750	44	966	1,1547	PASS	-1,0855
45	958	1,7640	PASS	-1,3416	45	987	0,1685	PASS	-0,4146
46	981	0,3610	PASS	-0,6069	46	995	0,0248	PASS	-0,1591
47	990	0,1000	PASS	-0,3194	47	995	0,0248	PASS	-0,1591
48	992	0,0640	PASS	-0,2556	48	1032	1,0253	PASS	1,0229
49	1032	1,0240	PASS	1,0222	49	976	0,5751	PASS	-0,7660



3.7 Draw for game Triple (0 - 35)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,732	2,020
Differential outcomes:	-2,661	2,053

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	35		
χ - max	**α/2 =**	0,025	**53,203**	97,50%
χ - min	**1 – α/2 =**	0,975	**20,569**	2,50%

χ2 :	**34,868**	52,55%
χ2 (w):	**34,976**	53,07%

RUNS TEST

Direct outcomes: **PASS**

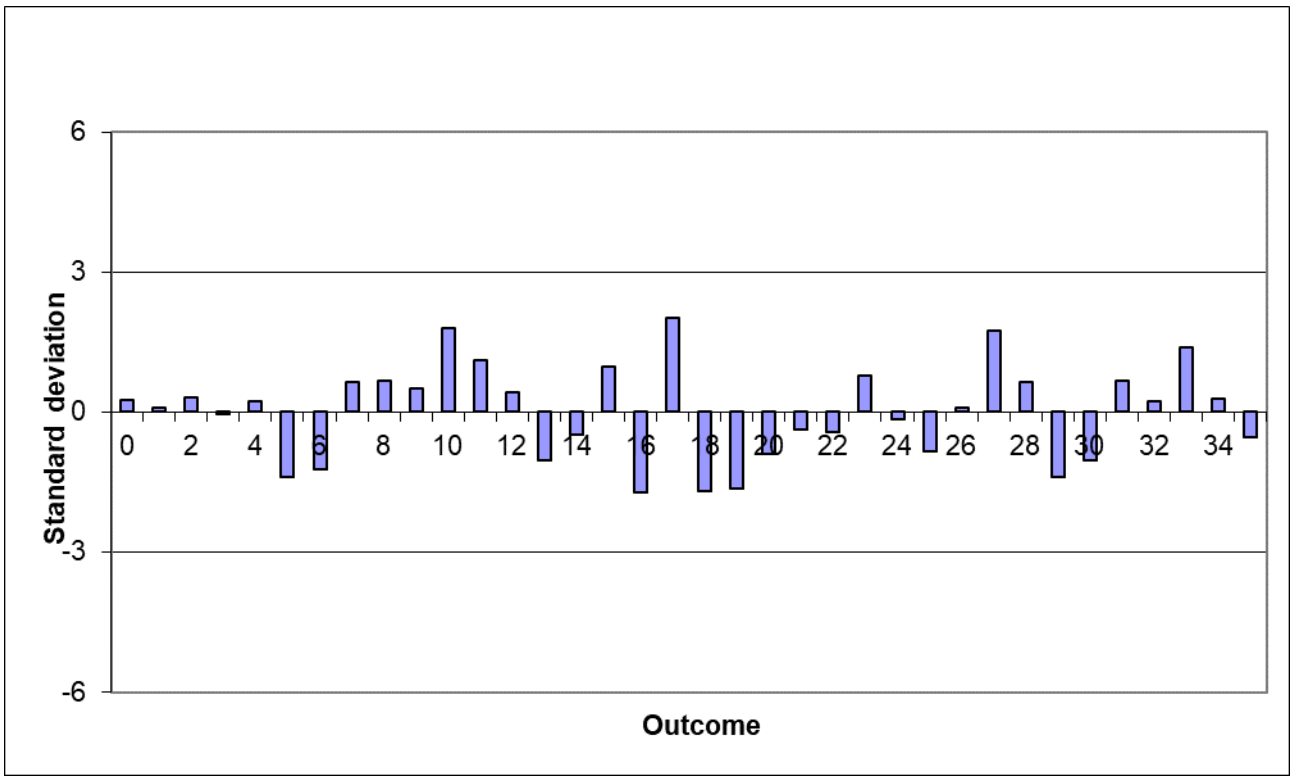
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	17901
Below average:	N2 (-1)	18099
Number of runs:	R	18069

Limits	**1,96**
E(R)	18000,46
σ(R)	94,86
z	0,72

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	1008	0,0640	PASS	0,2566	0	917	6,8846	PASS	-2,6611
1	1003	0,0090	PASS	0,0962	1	1024	0,5774	PASS	0,7706
2	1010	0,1000	PASS	0,3207	2	1033	1,0909	PASS	1,0593
3	999	0,0010	PASS	-0,0321	3	1005	0,0253	PASS	0,1612
4	1007	0,0490	PASS	0,2245	4	1015	0,2258	PASS	0,4820
5	957	1,8490	PASS	-1,3791	5	1020	0,4011	PASS	0,6423
6	962	1,4440	PASS	-1,2187	6	997	0,0088	PASS	-0,0953
7	1020	0,4000	PASS	0,6414	7	1031	0,9627	PASS	0,9951

8	1021	0,4410	PASS	0,6735	8	982	0,3230	PASS	-0,5764
9	1016	0,2560	PASS	0,5131	9	1028	0,7856	PASS	0,8989
10	1056	3,1360	PASS	1,7960	10	1021	0,4422	PASS	0,6744
11	1035	1,2250	PASS	1,1225	11	976	0,5747	PASS	-0,7688
12	1013	0,1690	PASS	0,4169	12	1064	4,0997	PASS	2,0535
13	968	1,0240	PASS	-1,0263	13	1034	1,1579	PASS	1,0913
14	985	0,2250	PASS	-0,4811	14	976	0,5747	PASS	-0,7688
15	1030	0,9000	PASS	0,9621	15	1029	0,8426	PASS	0,9310
16	946	2,9160	PASS	-1,7319	16	988	0,1433	PASS	-0,3840
17	1063	3,9690	PASS	2,0205	17	941	3,4778	PASS	-1,8913
18	947	2,8090	PASS	-1,6998	18	1024	0,5774	PASS	0,7706
19	949	2,6010	PASS	-1,6356	19	993	0,0486	PASS	-0,2236
20	972	0,7840	PASS	-0,8980	20	976	0,5747	PASS	-0,7688
21	988	0,1440	PASS	-0,3849	21	1055	3,0281	PASS	1,7648
22	987	0,1690	PASS	-0,4169	22	953	2,2065	PASS	-1,5065
23	1024	0,5760	PASS	0,7697	23	979	0,4398	PASS	-0,6726
24	995	0,0250	PASS	-0,1604	24	1019	0,3621	PASS	0,6103
25	974	0,6760	PASS	-0,8339	25	963	1,3670	PASS	-1,1858
26	1003	0,0090	PASS	0,0962	26	1003	0,0092	PASS	0,0971
27	1054	2,9160	PASS	1,7319	27	1014	0,1968	PASS	0,4499
28	1020	0,4000	PASS	0,6414	28	1019	0,3621	PASS	0,6103
29	957	1,8490	PASS	-1,3791	29	980	0,3989	PASS	-0,6405
30	968	1,0240	PASS	-1,0263	30	994	0,0357	PASS	-0,1915
31	1021	0,4410	PASS	0,6735	31	985	0,2242	PASS	-0,4802
32	1007	0,0490	PASS	0,2245	32	976	0,5747	PASS	-0,7688
33	1043	1,8490	PASS	1,3791	33	1028	0,7856	PASS	0,8989
34	1009	0,0810	PASS	0,2886	34	967	1,0872	PASS	-1,0575
35	983	0,2890	PASS	-0,5452	35	990	0,0994	PASS	-0,3198



3.8 Draw for game Keno (1 – 40)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,377	1,922
Differential outcomes:	-1,985	2,211

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	39		
χ - max	**α/2 =**	0,025	**58,120**	97,50%
χ - min	**1 – α/2 =**	0,975	**23,654**	2,50%
χ2 :		**30,998**		18,41%
χ2 (w):		**33,084**		26,42%

RUNS TEST

Direct outcomes: **PASS**

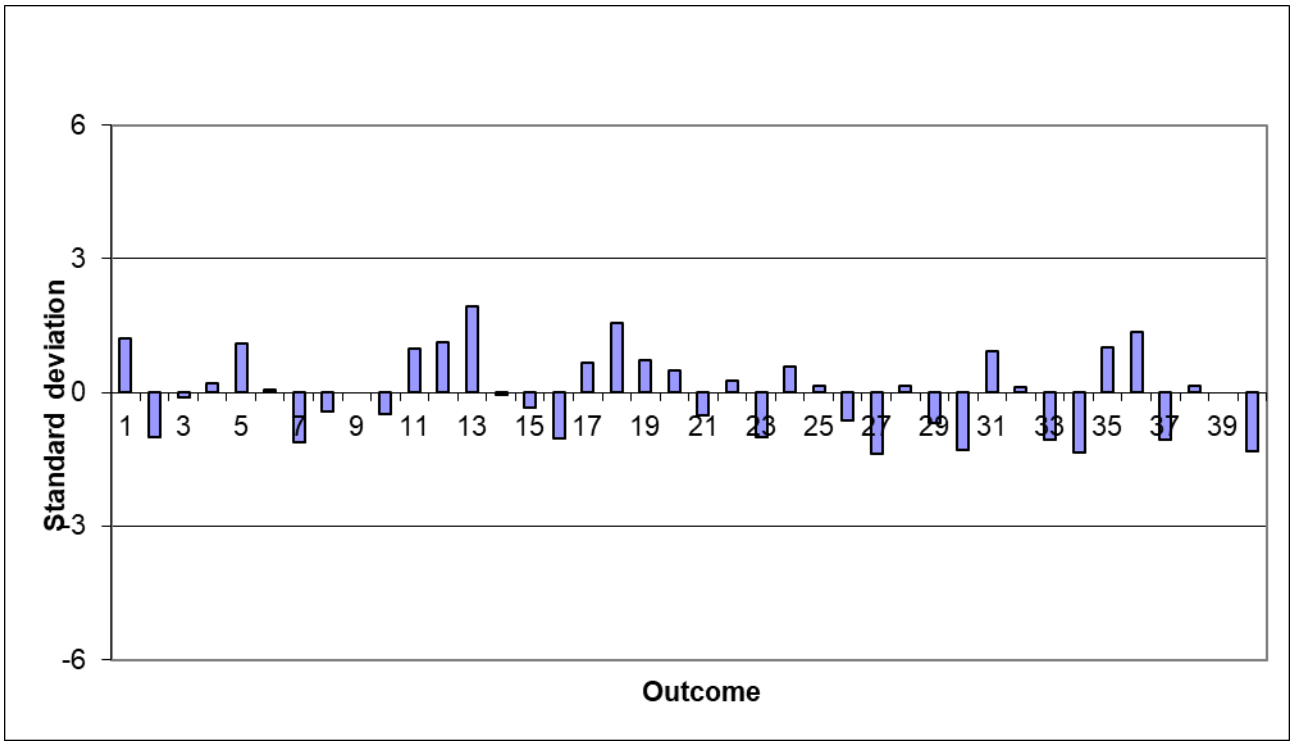
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	19828
Below average:	N2 (-1)	20172
Number of runs:	R	20040

Limits	**1,96**
E(R)	19999,52
σ(R)	99,99
z	0,40

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
1	1038	1,4440	PASS	1,2170	0	1008	0,0644	PASS	0,2570
2	969	0,9610	PASS	-0,9928	1	1065	4,2284	PASS	2,0825
3	997	0,0090	PASS	-0,0961	2	975	0,6238	PASS	-0,7999
4	1006	0,0360	PASS	0,1922	3	1006	0,0363	PASS	0,1930
5	1034	1,1560	PASS	1,0889	4	1069	4,7646	PASS	2,2106
6	1002	0,0040	PASS	0,0641	5	1002	0,0041	PASS	0,0649
7	965	1,2250	PASS	-1,1209	6	1005	0,0253	PASS	0,1609
8	987	0,1690	PASS	-0,4163	7	1035	1,2268	PASS	1,1217
9	1000	0,0000	PASS	0,0000	8	1007	0,0494	PASS	0,2250
10	985	0,2250	PASS	-0,4804	9	954	2,1138	PASS	-1,4724
11	1031	0,9610	PASS	0,9928	10	995	0,0248	PASS	-0,1593

12	1035	1,2250	PASS	1,1209	11	968	1,0224	PASS	-1,0240
13	1060	3,6000	PASS	1,9215	12	985	0,2243	PASS	-0,4796
14	998	0,0040	PASS	-0,0641	13	984	0,2552	PASS	-0,5116
15	989	0,1210	PASS	-0,3523	14	988	0,1434	PASS	-0,3835
16	968	1,0240	PASS	-1,0248	15	1003	0,0092	PASS	0,0969
17	1021	0,4410	PASS	0,6725	16	1033	1,0907	PASS	1,0577
18	1049	2,4010	PASS	1,5693	17	1058	3,3670	PASS	1,8583
19	1023	0,5290	PASS	0,7366	18	1008	0,0644	PASS	0,2570
20	1015	0,2250	PASS	0,4804	19	988	0,1434	PASS	-0,3835
21	984	0,2560	PASS	-0,5124	20	1020	0,4010	PASS	0,6413
22	1008	0,0640	PASS	0,2562	21	990	0,0995	PASS	-0,3195
23	969	0,9610	PASS	-0,9928	22	975	0,6238	PASS	-0,7999
24	1018	0,3240	PASS	0,5765	23	996	0,0158	PASS	-0,1273
25	1005	0,0250	PASS	0,1601	24	1040	1,6020	PASS	1,2818
26	980	0,4000	PASS	-0,6405	25	945	3,0223	PASS	-1,7606
27	957	1,8490	PASS	-1,3771	26	999	0,0010	PASS	-0,0312
28	1005	0,0250	PASS	0,1601	27	982	0,3231	PASS	-0,5757
29	979	0,4410	PASS	-0,6725	28	981	0,3601	PASS	-0,6077
30	960	1,6000	PASS	-1,2810	29	999	0,0010	PASS	-0,0312
31	1029	0,8410	PASS	0,9287	30	938	3,8410	PASS	-1,9848
32	1004	0,0160	PASS	0,1281	31	988	0,1434	PASS	-0,3835
33	967	1,0890	PASS	-1,0568	32	1015	0,2258	PASS	0,4812
34	958	1,7640	PASS	-1,3451	33	1002	0,0041	PASS	0,0649
35	1032	1,0240	PASS	1,0248	34	1021	0,4421	PASS	0,6733
36	1042	1,7640	PASS	1,3451	35	986	0,1953	PASS	-0,4476
37	967	1,0890	PASS	-1,0568	36	1012	0,1446	PASS	0,3851
38	1005	0,0250	PASS	0,1601	37	1021	0,4421	PASS	0,6733
39	1000	0,0000	PASS	0,0000	38	959	1,6790	PASS	-1,3123
40	959	1,6810	PASS	-1,3131	39	994	0,0357	PASS	-0,1914



3.9 Draw for game Cryptos (0 – 7)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,048	0,811
Differential outcomes:	-2,396	1,830

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	7		
χ - max	**α/2 =**	0,025	**16,013**	97,50%
χ - min	**1 – α/2 =**	0,975	**1,690**	2,50%
χ2 :		**2,584**		7,94%
χ2 (w):		**13,067**		92,95%

RUNS TEST

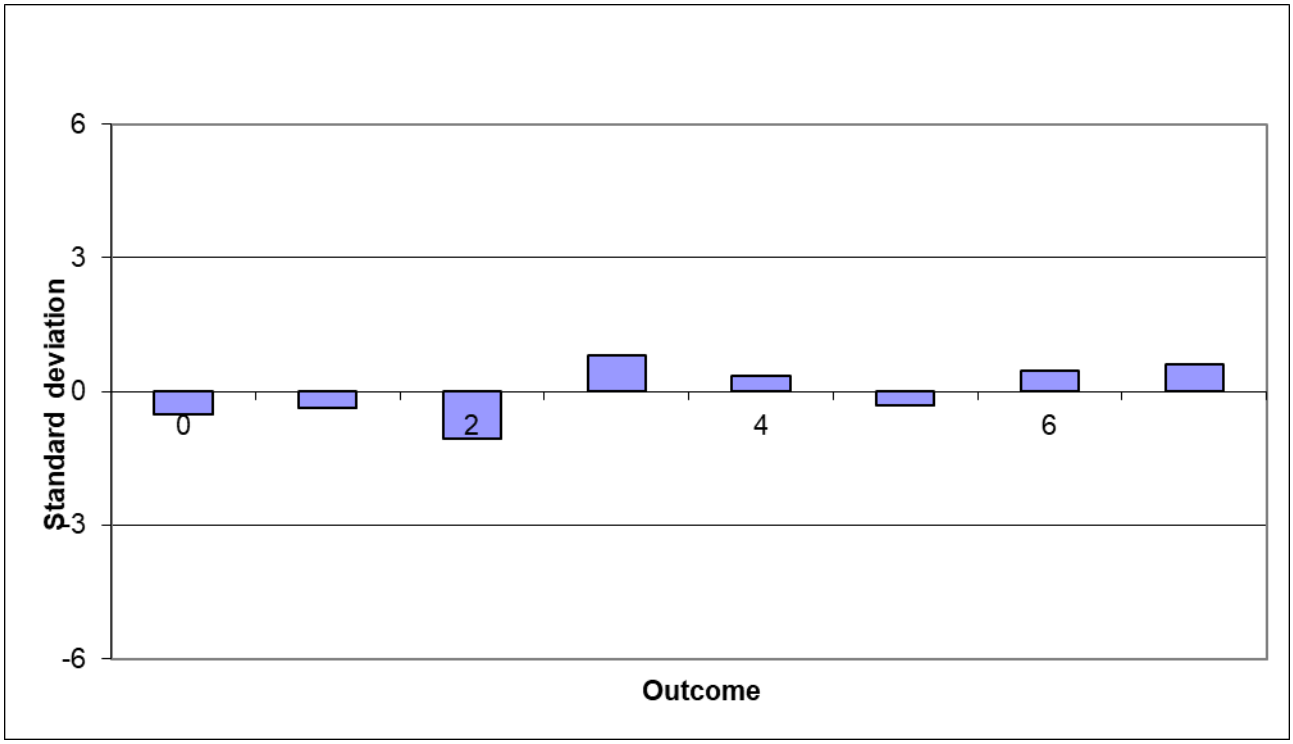
Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	4033
Below average:	N2 (-1)	3967
Number of runs:	R	3977

Limits	**1,96**
E(R)	4000,73
σ(R)	44,72
z	-0,53

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	985	0,2250	PASS	-0,5071	0	1030	0,9076	PASS	1,0185
1	989	0,1210	PASS	-0,3719	1	993	0,0473	PASS	-0,2324
2	969	0,9610	PASS	-1,0480	2	1054	2,9299	PASS	1,8299
3	1024	0,5760	PASS	0,8113	3	1047	2,2210	PASS	1,5932
4	1010	0,1000	PASS	0,3381	4	999	0,0008	PASS	-0,0296
5	991	0,0810	PASS	-0,3043	5	929	5,0239	PASS	-2,3962
6	1014	0,1960	PASS	0,4733	6	990	0,0975	PASS	-0,3339
7	1018	0,3240	PASS	0,6085	7	957	1,8385	PASS	-1,4495



3.10 Draw for game Mines (0 - 25)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-2,161	1,870
Differential outcomes:	-1,740	2,613

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	25		
χ - max	**α/2 =**	0,025	**40,646**	97,50%
χ - min	**1 – α/2 =**	0,975	**13,120**	2,50%

χ2 :	**21,414**	33,07%
χ2 (w):	**25,526**	56,68%

RUNS TEST

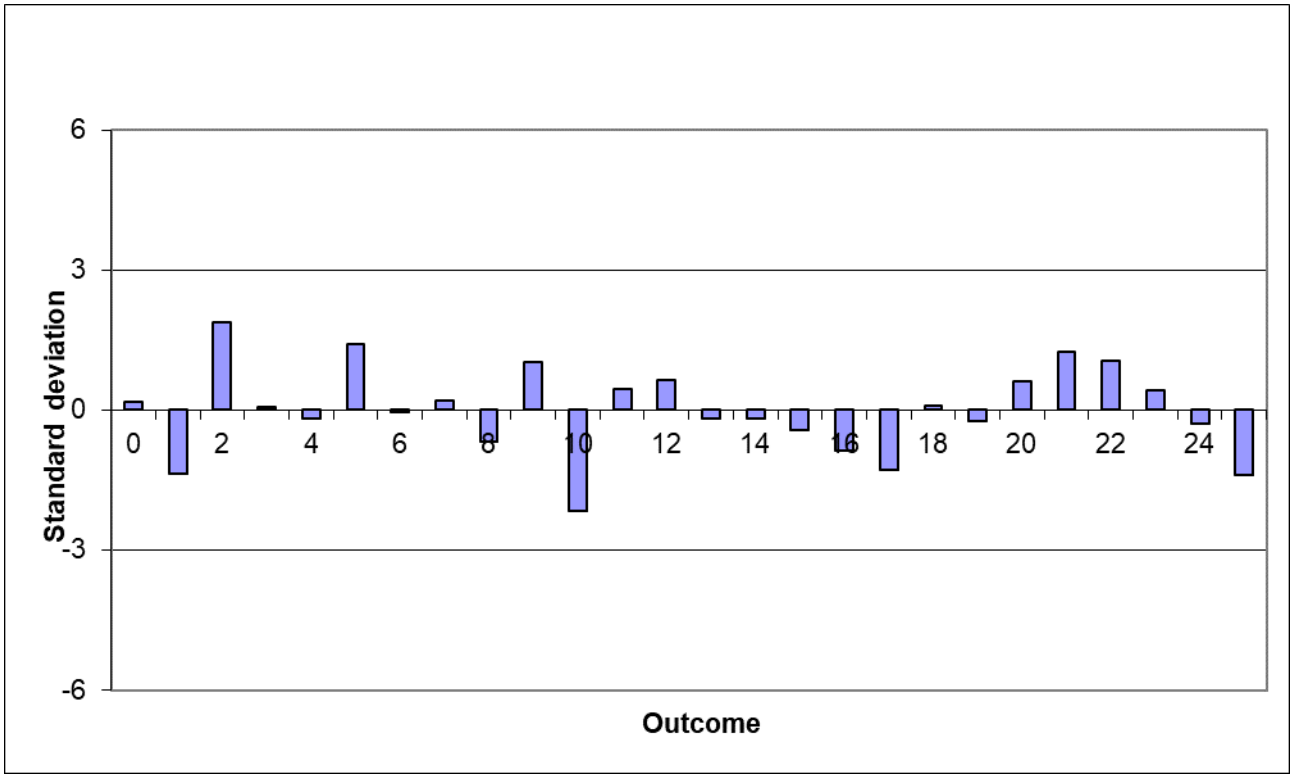
Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	95	%

Above average:	N1 (1)	12956
Below average:	N2 (-1)	13044
Number of runs:	R	12895

Limits	**1,96**
E(R)	13000,85
σ(R)	80,62
z	-1,31

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	1005	0,0250	PASS	0,1612	0	1000	0,0000	PASS	0,0012
1	958	1,7640	PASS	-1,3545	1	1004	0,0163	PASS	0,1302
2	1058	3,3640	PASS	1,8704	2	996	0,0157	PASS	-0,1278
3	1002	0,0040	PASS	0,0645	3	976	0,5742	PASS	-0,7728
4	994	0,0360	PASS	-0,1935	4	988	0,1431	PASS	-0,3858
5	1044	1,9360	PASS	1,4190	5	1045	2,0285	PASS	1,4525
6	999	0,0010	PASS	-0,0322	6	946	2,9120	PASS	-1,7402
7	1006	0,0360	PASS	0,1935	7	1017	0,2903	PASS	0,5495
8	979	0,4410	PASS	-0,6772	8	997	0,0088	PASS	-0,0955
9	1032	1,0240	PASS	1,0320	9	968	1,0216	PASS	-1,0307
10	933	4,4890	PASS	-2,1607	10	989	0,1202	PASS	-0,3535
11	1014	0,1960	PASS	0,4515	11	964	1,2933	PASS	-1,1597
12	1020	0,4000	PASS	0,6450	12	1081	6,5675	PASS	2,6135
13	994	0,0360	PASS	-0,1935	13	968	1,0216	PASS	-1,0307
14	994	0,0360	PASS	-0,1935	14	1012	0,1449	PASS	0,3882
15	987	0,1690	PASS	-0,4192	15	978	0,4823	PASS	-0,7083
16	973	0,7290	PASS	-0,8707	16	994	0,0355	PASS	-0,1923
17	960	1,6000	PASS	-1,2900	17	1009	0,0817	PASS	0,2915
18	1003	0,0090	PASS	0,0967	18	1012	0,1449	PASS	0,3882
19	993	0,0490	PASS	-0,2257	19	983	0,2877	PASS	-0,5470
20	1019	0,3610	PASS	0,6127	20	1035	1,2277	PASS	1,1300
21	1039	1,5210	PASS	1,2577	21	968	1,0216	PASS	-1,0307
22	1033	1,0890	PASS	1,0642	22	965	1,2224	PASS	-1,1275
23	1013	0,1690	PASS	0,4192	23	1060	3,6048	PASS	1,9362
24	991	0,0810	PASS	-0,2902	24	1034	1,1587	PASS	1,0977
25	957	1,8490	PASS	-1,3867	25	1010	0,1008	PASS	0,3237



3.11 Draw for game Space Dice (0 - 999)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-2,974	2,879
Differential outcomes:	-3,290	2,911

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	999	
χ - max	**α/2 =**	0,025	**1088,487** 97,50%
χ - min	**1 – α/2 =**	0,975	**913,301** 2,50%

χ2 :	**946,870**	12,06%
χ2 (w):	**979,750**	33,78%

RUNS TEST

Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	95	%

Above average:	N1 (1)	499192
Below average:	N2 (-1)	500808
Number of runs:	R	499630

Limits	**1,96**
E(R)	########
σ(R)	500,00
z	-0,74

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	1033	1,0890	PASS	1,0441	0	1010	0,1000	PASS	0,3164
1	958	1,7640	PASS	-1,3288	1	1017	0,2890	PASS	0,5379
2	1011	0,1210	PASS	0,3480	2	963	1,3689	PASS	-1,1706
3	1040	1,6000	PASS	1,2655	3	1049	2,4011	PASS	1,5503
4	972	0,7840	PASS	-0,8859	4	1010	0,1000	PASS	0,3164
5	966	1,1560	PASS	-1,0757	5	987	0,1690	PASS	-0,4113
6	1018	0,3240	PASS	0,5695	6	1009	0,0810	PASS	0,2848
7	1025	0,6250	PASS	0,7910	7	1005	0,0250	PASS	0,1582
8	1007	0,0490	PASS	0,2215	8	975	0,6250	PASS	-0,7909
9	1001	0,0010	PASS	0,0316	9	1028	0,7841	PASS	0,8859
10	987	0,1690	PASS	-0,4113	10	981	0,3610	PASS	-0,6011
11	1003	0,0090	PASS	0,0949	11	1008	0,0640	PASS	0,2531
12	1007	0,0490	PASS	0,2215	12	971	0,8409	PASS	-0,9175
13	1027	0,7290	PASS	0,8542	13	1065	4,2251	PASS	2,0565
14	1022	0,4840	PASS	0,6960	14	1005	0,0250	PASS	0,1582
15	1059	3,4810	PASS	1,8667	15	914	7,3958	PASS	-2,7209
16	975	0,6250	PASS	-0,7910	16	1006	0,0360	PASS	0,1899
17	1007	0,0490	PASS	0,2215	17	977	0,5290	PASS	-0,7277
18	980	0,4000	PASS	-0,6328	18	1041	1,6811	PASS	1,2972
19	940	3,6000	PASS	-1,8983	19	996	0,0160	PASS	-0,1265
20	981	0,3610	PASS	-0,6011	20	947	2,8089	PASS	-1,6768
21	979	0,4410	PASS	-0,6644	21	1009	0,0810	PASS	0,2848
22	1026	0,6760	PASS	0,8226	22	1002	0,0040	PASS	0,0633
23	1076	5,7760	PASS	2,4045	23	1031	0,9611	PASS	0,9808
24	988	0,1440	PASS	-0,3797	24	1014	0,1960	PASS	0,4430
25	989	0,1210	PASS	-0,3480	25	1001	0,0010	PASS	0,0317
26	983	0,2890	PASS	-0,5379	26	1004	0,0160	PASS	0,1266
27	951	2,4010	PASS	-1,5503	27	1011	0,1210	PASS	0,3481
28	996	0,0160	PASS	-0,1266	28	954	2,1159	PASS	-1,4553
29	1003	0,0090	PASS	0,0949	29	1013	0,1690	PASS	0,4113
30	1054	2,9160	PASS	1,7085	30	995	0,0250	PASS	-0,1582
31	1041	1,6810	PASS	1,2972	31	997	0,0090	PASS	-0,0949
32	1005	0,0250	PASS	0,1582	32	1002	0,0040	PASS	0,0633
33	998	0,0040	PASS	-0,0633	33	1017	0,2890	PASS	0,5379
34	1012	0,1440	PASS	0,3797	34	1008	0,0640	PASS	0,2531
35	990	0,1000	PASS	-0,3164	35	994	0,0360	PASS	-0,1898
36	1020	0,4000	PASS	0,6328	36	1014	0,1960	PASS	0,4430
37	981	0,3610	PASS	-0,6011	37	995	0,0250	PASS	-0,1582

38	1015	0,2250	PASS	0,4746	38	1059	3,4811	PASS	1,8667
39	982	0,3240	PASS	-0,5695	39	946	2,9159	PASS	-1,7085
40	1034	1,1560	PASS	1,0757	40	1017	0,2890	PASS	0,5379
41	982	0,3240	PASS	-0,5695	41	983	0,2890	PASS	-0,5378
42	977	0,5290	PASS	-0,7277	42	991	0,0810	PASS	-0,2847
43	1027	0,7290	PASS	0,8542	43	1004	0,0160	PASS	0,1266
44	1026	0,6760	PASS	0,8226	44	1054	2,9161	PASS	1,7085
45	1002	0,0040	PASS	0,0633	45	977	0,5290	PASS	-0,7277
46	1022	0,4840	PASS	0,6960	46	1016	0,2560	PASS	0,5062
47	999	0,0010	PASS	-0,0316	47	1013	0,1690	PASS	0,4113
48	996	0,0160	PASS	-0,1266	48	1034	1,1561	PASS	1,0757
49	987	0,1690	PASS	-0,4113	49	964	1,2959	PASS	-1,1390
50	983	0,2890	PASS	-0,5379	50	991	0,0810	PASS	-0,2847
51	981	0,3610	PASS	-0,6011	51	982	0,3240	PASS	-0,5695
52	1045	2,0250	PASS	1,4237	52	968	1,0239	PASS	-1,0124
53	999	0,0010	PASS	-0,0316	53	983	0,2890	PASS	-0,5378
54	1021	0,4410	PASS	0,6644	54	994	0,0360	PASS	-0,1898
55	1076	5,7760	PASS	2,4045	55	956	1,9359	PASS	-1,3921
56	1001	0,0010	PASS	0,0316	56	1042	1,7641	PASS	1,3289
57	1008	0,0640	PASS	0,2531	57	972	0,7839	PASS	-0,8858
58	1037	1,3690	PASS	1,1706	58	988	0,1440	PASS	-0,3796
59	976	0,5760	PASS	-0,7593	59	1004	0,0160	PASS	0,1266
60	948	2,7040	PASS	-1,6452	60	1042	1,7641	PASS	1,3289
61	963	1,3690	PASS	-1,1706	61	932	4,6239	PASS	-2,1514
62	1018	0,3240	PASS	0,5695	62	993	0,0490	PASS	-0,2214
63	1017	0,2890	PASS	0,5379	63	1043	1,8491	PASS	1,3605
64	973	0,7290	PASS	-0,8542	64	1027	0,7291	PASS	0,8543
65	986	0,1960	PASS	-0,4429	65	1037	1,3691	PASS	1,1707
66	996	0,0160	PASS	-0,1266	66	1010	0,1000	PASS	0,3164
67	1011	0,1210	PASS	0,3480	67	974	0,6759	PASS	-0,8226
68	965	1,2250	PASS	-1,1074	68	996	0,0160	PASS	-0,1265
69	1049	2,4010	PASS	1,5503	69	919	6,5608	PASS	-2,5627
70	1013	0,1690	PASS	0,4113	70	1009	0,0810	PASS	0,2848
71	987	0,1690	PASS	-0,4113	71	979	0,4410	PASS	-0,6644
72	1050	2,5000	PASS	1,5819	72	1013	0,1690	PASS	0,4113
73	1064	4,0960	PASS	2,0249	73	981	0,3610	PASS	-0,6011
74	1059	3,4810	PASS	1,8667	74	984	0,2560	PASS	-0,5062
75	1015	0,2250	PASS	0,4746	75	1031	0,9611	PASS	0,9808
76	1025	0,6250	PASS	0,7910	76	1020	0,4000	PASS	0,6328
77	982	0,3240	PASS	-0,5695	77	1038	1,4441	PASS	1,2023
78	996	0,0160	PASS	-0,1266	78	1020	0,4000	PASS	0,6328
79	1006	0,0360	PASS	0,1898	79	997	0,0090	PASS	-0,0949
80	1011	0,1210	PASS	0,3480	80	1017	0,2890	PASS	0,5379
81	1057	3,2490	PASS	1,8034	81	1035	1,2251	PASS	1,1074
82	989	0,1210	PASS	-0,3480	82	964	1,2959	PASS	-1,1390
83	1005	0,0250	PASS	0,1582	83	1027	0,7291	PASS	0,8543
84	1066	4,3560	PASS	2,0881	84	1008	0,0640	PASS	0,2531
85	955	2,0250	PASS	-1,4237	85	930	4,8999	PASS	-2,2147
86	969	0,9610	PASS	-0,9808	86	958	1,7639	PASS	-1,3288
87	1014	0,1960	PASS	0,4429	87	1045	2,0251	PASS	1,4238
88	1001	0,0010	PASS	0,0316	88	1008	0,0640	PASS	0,2531
89	969	0,9610	PASS	-0,9808	89	994	0,0360	PASS	-0,1898
90	991	0,0810	PASS	-0,2847	90	1019	0,3610	PASS	0,6012

91	1000	0,0000	PASS	0,0000	91	1042	1,7641	PASS	1,3289
92	999	0,0010	PASS	-0,0316	92	1027	0,7291	PASS	0,8543
93	931	4,7610	PASS	-2,1831	93	1019	0,3610	PASS	0,6012
94	1051	2,6010	PASS	1,6136	94	983	0,2890	PASS	-0,5378
95	961	1,5210	PASS	-1,2339	95	970	0,8999	PASS	-0,9491
96	990	0,1000	PASS	-0,3164	96	959	1,6809	PASS	-1,2972
97	1017	0,2890	PASS	0,5379	97	986	0,1960	PASS	-0,4429
98	1017	0,2890	PASS	0,5379	98	993	0,0490	PASS	-0,2214
99	1007	0,0490	PASS	0,2215	99	1017	0,2890	PASS	0,5379
100	964	1,2960	PASS	-1,1390	100	1022	0,4840	PASS	0,6961
101	1033	1,0890	PASS	1,0441	101	1007	0,0490	PASS	0,2215
102	947	2,8090	PASS	-1,6768	102	994	0,0360	PASS	-0,1898
103	1011	0,1210	PASS	0,3480	103	1018	0,3240	PASS	0,5695
104	940	3,6000	PASS	-1,8983	104	1010	0,1000	PASS	0,3164
105	1006	0,0360	PASS	0,1898	105	1042	1,7641	PASS	1,3289
106	975	0,6250	PASS	-0,7910	106	1018	0,3240	PASS	0,5695
107	1057	3,2490	PASS	1,8034	107	930	4,8999	PASS	-2,2147
108	1027	0,7290	PASS	0,8542	108	1019	0,3610	PASS	0,6012
109	1014	0,1960	PASS	0,4429	109	1040	1,6001	PASS	1,2656
110	969	0,9610	PASS	-0,9808	110	940	3,5999	PASS	-1,8983
111	1015	0,2250	PASS	0,4746	111	985	0,2250	PASS	-0,4745
112	995	0,0250	PASS	-0,1582	112	1048	2,3041	PASS	1,5187
113	977	0,5290	PASS	-0,7277	113	955	2,0249	PASS	-1,4237
114	1007	0,0490	PASS	0,2215	114	965	1,2249	PASS	-1,1073
115	1013	0,1690	PASS	0,4113	115	983	0,2890	PASS	-0,5378
116	944	3,1360	PASS	-1,7718	116	967	1,0889	PASS	-1,0440
117	1018	0,3240	PASS	0,5695	117	1018	0,3240	PASS	0,5695
118	1021	0,4410	PASS	0,6644	118	967	1,0889	PASS	-1,0440
119	1005	0,0250	PASS	0,1582	119	1042	1,7641	PASS	1,3289
120	989	0,1210	PASS	-0,3480	120	942	3,3639	PASS	-1,8350
121	971	0,8410	PASS	-0,9175	121	1037	1,3691	PASS	1,1707
122	987	0,1690	PASS	-0,4113	122	1013	0,1690	PASS	0,4113
123	933	4,4890	PASS	-2,1198	123	1018	0,3240	PASS	0,5695
124	987	0,1690	PASS	-0,4113	124	1006	0,0360	PASS	0,1899
125	1070	4,9000	PASS	2,2147	125	1018	0,3240	PASS	0,5695
126	988	0,1440	PASS	-0,3797	126	997	0,0090	PASS	-0,0949
127	977	0,5290	PASS	-0,7277	127	1007	0,0490	PASS	0,2215
128	978	0,4840	PASS	-0,6960	128	973	0,7289	PASS	-0,8542
129	1027	0,7290	PASS	0,8542	129	988	0,1440	PASS	-0,3796
130	983	0,2890	PASS	-0,5379	130	1010	0,1000	PASS	0,3164
131	1030	0,9000	PASS	0,9492	131	1012	0,1440	PASS	0,3797
132	1040	1,6000	PASS	1,2655	132	1026	0,6761	PASS	0,8226
133	906	8,8360	PASS	-2,9740	133	1031	0,9611	PASS	0,9808
134	981	0,3610	PASS	-0,6011	134	1031	0,9611	PASS	0,9808
135	1009	0,0810	PASS	0,2847	135	996	0,0160	PASS	-0,1265
136	967	1,0890	PASS	-1,0441	136	1023	0,5290	PASS	0,7277
137	977	0,5290	PASS	-0,7277	137	992	0,0640	PASS	-0,2531
138	983	0,2890	PASS	-0,5379	138	997	0,0090	PASS	-0,0949
139	996	0,0160	PASS	-0,1266	139	1004	0,0160	PASS	0,1266
140	1003	0,0090	PASS	0,0949	140	986	0,1960	PASS	-0,4429
141	992	0,0640	PASS	-0,2531	141	1014	0,1960	PASS	0,4430
142	991	0,0810	PASS	-0,2847	142	965	1,2249	PASS	-1,1073
143	1002	0,0040	PASS	0,0633	143	970	0,8999	PASS	-0,9491

144	1029	0,8410	PASS	0,9175	144	1042	1,7641	PASS	1,3289
145	947	2,8090	PASS	-1,6768	145	1028	0,7841	PASS	0,8859
146	1063	3,9690	PASS	1,9932	146	1034	1,1561	PASS	1,0757
147	1025	0,6250	PASS	0,7910	147	974	0,6759	PASS	-0,8226
148	1055	3,0250	PASS	1,7401	148	963	1,3689	PASS	-1,1706
149	1021	0,4410	PASS	0,6644	149	987	0,1690	PASS	-0,4113
150	935	4,2250	PASS	-2,0565	150	984	0,2560	PASS	-0,5062
151	1033	1,0890	PASS	1,0441	151	1019	0,3610	PASS	0,6012
152	998	0,0040	PASS	-0,0633	152	950	2,4999	PASS	-1,5819
153	1029	0,8410	PASS	0,9175	153	996	0,0160	PASS	-0,1265
154	942	3,3640	PASS	-1,8350	154	996	0,0160	PASS	-0,1265
155	1040	1,6000	PASS	1,2655	155	999	0,0010	PASS	-0,0316
156	1040	1,6000	PASS	1,2655	156	1014	0,1960	PASS	0,4430
157	952	2,3040	PASS	-1,5187	157	973	0,7289	PASS	-0,8542
158	1003	0,0090	PASS	0,0949	158	1025	0,6251	PASS	0,7910
159	1020	0,4000	PASS	0,6328	159	978	0,4840	PASS	-0,6960
160	1016	0,2560	PASS	0,5062	160	913	7,5688	PASS	-2,7525
161	977	0,5290	PASS	-0,7277	161	997	0,0090	PASS	-0,0949
162	1008	0,0640	PASS	0,2531	162	1041	1,6811	PASS	1,2972
163	1015	0,2250	PASS	0,4746	163	999	0,0010	PASS	-0,0316
164	1017	0,2890	PASS	0,5379	164	972	0,7839	PASS	-0,8858
165	986	0,1960	PASS	-0,4429	165	981	0,3610	PASS	-0,6011
166	1025	0,6250	PASS	0,7910	166	1026	0,6761	PASS	0,8226
167	976	0,5760	PASS	-0,7593	167	969	0,9609	PASS	-0,9808
168	977	0,5290	PASS	-0,7277	168	1038	1,4441	PASS	1,2023
169	993	0,0490	PASS	-0,2215	169	963	1,3689	PASS	-1,1706
170	971	0,8410	PASS	-0,9175	170	1021	0,4410	PASS	0,6644
171	960	1,6000	PASS	-1,2655	171	988	0,1440	PASS	-0,3796
172	980	0,4000	PASS	-0,6328	172	1036	1,2961	PASS	1,1390
173	1015	0,2250	PASS	0,4746	173	952	2,3039	PASS	-1,5186
174	1010	0,1000	PASS	0,3164	174	980	0,4000	PASS	-0,6327
175	997	0,0090	PASS	-0,0949	175	998	0,0040	PASS	-0,0632
176	998	0,0040	PASS	-0,0633	176	1048	2,3041	PASS	1,5187
177	1038	1,4440	PASS	1,2023	177	997	0,0090	PASS	-0,0949
178	1027	0,7290	PASS	0,8542	178	992	0,0640	PASS	-0,2531
179	965	1,2250	PASS	-1,1074	179	968	1,0239	PASS	-1,0124
180	990	0,1000	PASS	-0,3164	180	965	1,2249	PASS	-1,1073
181	954	2,1160	PASS	-1,4554	181	998	0,0040	PASS	-0,0632
182	942	3,3640	PASS	-1,8350	182	1011	0,1210	PASS	0,3481
183	1029	0,8410	PASS	0,9175	183	949	2,6009	PASS	-1,6135
184	999	0,0010	PASS	-0,0316	184	993	0,0490	PASS	-0,2214
185	1030	0,9000	PASS	0,9492	185	981	0,3610	PASS	-0,6011
186	942	3,3640	PASS	-1,8350	186	998	0,0040	PASS	-0,0632
187	990	0,1000	PASS	-0,3164	187	984	0,2560	PASS	-0,5062
188	1023	0,5290	PASS	0,7277	188	1011	0,1210	PASS	0,3481
189	1073	5,3290	PASS	2,3096	189	940	3,5999	PASS	-1,8983
190	1053	2,8090	PASS	1,6768	190	1000	0,0000	PASS	0,0000
191	973	0,7290	PASS	-0,8542	191	926	5,4759	PASS	-2,3412
192	980	0,4000	PASS	-0,6328	192	1004	0,0160	PASS	0,1266
193	988	0,1440	PASS	-0,3797	193	980	0,4000	PASS	-0,6327
194	990	0,1000	PASS	-0,3164	194	975	0,6250	PASS	-0,7909
195	954	2,1160	PASS	-1,4554	195	997	0,0090	PASS	-0,0949
196	1014	0,1960	PASS	0,4429	196	999	0,0010	PASS	-0,0316

197	972	0,7840	PASS	-0,8859	197	1004	0,0160	PASS	0,1266
198	963	1,3690	PASS	-1,1706	198	1012	0,1440	PASS	0,3797
199	1013	0,1690	PASS	0,4113	199	1019	0,3610	PASS	0,6012
200	978	0,4840	PASS	-0,6960	200	1039	1,5211	PASS	1,2339
201	1051	2,6010	PASS	1,6136	201	945	3,0249	PASS	-1,7401
202	1000	0,0000	PASS	0,0000	202	1007	0,0490	PASS	0,2215
203	953	2,2090	PASS	-1,4870	203	964	1,2959	PASS	-1,1390
204	980	0,4000	PASS	-0,6328	204	983	0,2890	PASS	-0,5378
205	985	0,2250	PASS	-0,4746	205	998	0,0040	PASS	-0,0632
206	945	3,0250	PASS	-1,7401	206	996	0,0160	PASS	-0,1265
207	1020	0,4000	PASS	0,6328	207	1004	0,0160	PASS	0,1266
208	1010	0,1000	PASS	0,3164	208	1038	1,4441	PASS	1,2023
209	969	0,9610	PASS	-0,9808	209	951	2,4009	PASS	-1,5503
210	996	0,0160	PASS	-0,1266	210	979	0,4410	PASS	-0,6644
211	980	0,4000	PASS	-0,6328	211	950	2,4999	PASS	-1,5819
212	1028	0,7840	PASS	0,8859	212	972	0,7839	PASS	-0,8858
213	981	0,3610	PASS	-0,6011	213	1012	0,1440	PASS	0,3797
214	963	1,3690	PASS	-1,1706	214	998	0,0040	PASS	-0,0632
215	980	0,4000	PASS	-0,6328	215	975	0,6250	PASS	-0,7909
216	987	0,1690	PASS	-0,4113	216	990	0,1000	PASS	-0,3164
217	1014	0,1960	PASS	0,4429	217	1025	0,6251	PASS	0,7910
218	995	0,0250	PASS	-0,1582	218	1014	0,1960	PASS	0,4430
219	1030	0,9000	PASS	0,9492	219	1001	0,0010	PASS	0,0317
220	955	2,0250	PASS	-1,4237	220	980	0,4000	PASS	-0,6327
221	986	0,1960	PASS	-0,4429	221	989	0,1210	PASS	-0,3480
222	1020	0,4000	PASS	0,6328	222	1030	0,9001	PASS	0,9492
223	1011	0,1210	PASS	0,3480	223	1019	0,3610	PASS	0,6012
224	945	3,0250	PASS	-1,7401	224	985	0,2250	PASS	-0,4745
225	983	0,2890	PASS	-0,5379	225	998	0,0040	PASS	-0,0632
226	955	2,0250	PASS	-1,4237	226	1025	0,6251	PASS	0,7910
227	991	0,0810	PASS	-0,2847	227	1015	0,2250	PASS	0,4746
228	932	4,6240	PASS	-2,1514	228	981	0,3610	PASS	-0,6011
229	1020	0,4000	PASS	0,6328	229	997	0,0090	PASS	-0,0949
230	1032	1,0240	PASS	1,0124	230	994	0,0360	PASS	-0,1898
231	991	0,0810	PASS	-0,2847	231	982	0,3240	PASS	-0,5695
232	922	6,0840	PASS	-2,4678	232	1007	0,0490	PASS	0,2215
233	1017	0,2890	PASS	0,5379	233	1033	1,0891	PASS	1,0441
234	1008	0,0640	PASS	0,2531	234	1010	0,1000	PASS	0,3164
235	1025	0,6250	PASS	0,7910	235	942	3,3639	PASS	-1,8350
236	1010	0,1000	PASS	0,3164	236	1031	0,9611	PASS	0,9808
237	1060	3,6000	PASS	1,8983	237	1018	0,3240	PASS	0,5695
238	1035	1,2250	PASS	1,1074	238	1048	2,3041	PASS	1,5187
239	984	0,2560	PASS	-0,5062	239	990	0,1000	PASS	-0,3164
240	1028	0,7840	PASS	0,8859	240	1032	1,0241	PASS	1,0125
241	1042	1,7640	PASS	1,3288	241	946	2,9159	PASS	-1,7085
242	934	4,3560	PASS	-2,0881	242	1030	0,9001	PASS	0,9492
243	1038	1,4440	PASS	1,2023	243	1036	1,2961	PASS	1,1390
244	1022	0,4840	PASS	0,6960	244	973	0,7289	PASS	-0,8542
245	1033	1,0890	PASS	1,0441	245	975	0,6250	PASS	-0,7909
246	938	3,8440	PASS	-1,9616	246	980	0,4000	PASS	-0,6327
247	1020	0,4000	PASS	0,6328	247	982	0,3240	PASS	-0,5695
248	1014	0,1960	PASS	0,4429	248	971	0,8409	PASS	-0,9175
249	995	0,0250	PASS	-0,1582	249	1032	1,0241	PASS	1,0125

250	947	2,8090	PASS	-1,6768	250	1031	0,9611	PASS	0,9808
251	1060	3,6000	PASS	1,8983	251	981	0,3610	PASS	-0,6011
252	1071	5,0410	PASS	2,2463	252	1020	0,4000	PASS	0,6328
253	979	0,4410	PASS	-0,6644	253	1025	0,6251	PASS	0,7910
254	983	0,2890	PASS	-0,5379	254	1004	0,0160	PASS	0,1266
255	1029	0,8410	PASS	0,9175	255	1008	0,0640	PASS	0,2531
256	1076	5,7760	PASS	2,4045	256	984	0,2560	PASS	-0,5062
257	1027	0,7290	PASS	0,8542	257	999	0,0010	PASS	-0,0316
258	1039	1,5210	PASS	1,2339	258	1042	1,7641	PASS	1,3289
259	1005	0,0250	PASS	0,1582	259	1021	0,4410	PASS	0,6644
260	1071	5,0410	PASS	2,2463	260	1006	0,0360	PASS	0,1899
261	1052	2,7040	PASS	1,6452	261	1055	3,0251	PASS	1,7402
262	1004	0,0160	PASS	0,1266	262	993	0,0490	PASS	-0,2214
263	995	0,0250	PASS	-0,1582	263	1001	0,0010	PASS	0,0317
264	1008	0,0640	PASS	0,2531	264	975	0,6250	PASS	-0,7909
265	988	0,1440	PASS	-0,3797	265	978	0,4840	PASS	-0,6960
266	1023	0,5290	PASS	0,7277	266	1007	0,0490	PASS	0,2215
267	989	0,1210	PASS	-0,3480	267	1011	0,1210	PASS	0,3481
268	1014	0,1960	PASS	0,4429	268	1014	0,1960	PASS	0,4430
269	1012	0,1440	PASS	0,3797	269	995	0,0250	PASS	-0,1582
270	959	1,6810	PASS	-1,2972	270	1065	4,2251	PASS	2,0565
271	1045	2,0250	PASS	1,4237	271	964	1,2959	PASS	-1,1390
272	978	0,4840	PASS	-0,6960	272	1044	1,9361	PASS	1,3921
273	978	0,4840	PASS	-0,6960	273	1068	4,6241	PASS	2,1515
274	1013	0,1690	PASS	0,4113	274	1047	2,2091	PASS	1,4870
275	1008	0,0640	PASS	0,2531	275	1012	0,1440	PASS	0,3797
276	1017	0,2890	PASS	0,5379	276	1006	0,0360	PASS	0,1899
277	958	1,7640	PASS	-1,3288	277	977	0,5290	PASS	-0,7277
278	1025	0,6250	PASS	0,7910	278	984	0,2560	PASS	-0,5062
279	985	0,2250	PASS	-0,4746	279	1056	3,1361	PASS	1,7718
280	985	0,2250	PASS	-0,4746	280	986	0,1960	PASS	-0,4429
281	1015	0,2250	PASS	0,4746	281	980	0,4000	PASS	-0,6327
282	1041	1,6810	PASS	1,2972	282	1018	0,3240	PASS	0,5695
283	1015	0,2250	PASS	0,4746	283	975	0,6250	PASS	-0,7909
284	957	1,8490	PASS	-1,3605	284	1036	1,2961	PASS	1,1390
285	955	2,0250	PASS	-1,4237	285	1036	1,2961	PASS	1,1390
286	1003	0,0090	PASS	0,0949	286	977	0,5290	PASS	-0,7277
287	1012	0,1440	PASS	0,3797	287	1028	0,7841	PASS	0,8859
288	930	4,9000	PASS	-2,2147	288	1035	1,2251	PASS	1,1074
289	959	1,6810	PASS	-1,2972	289	972	0,7839	PASS	-0,8858
290	989	0,1210	PASS	-0,3480	290	940	3,5999	PASS	-1,8983
291	1022	0,4840	PASS	0,6960	291	986	0,1960	PASS	-0,4429
292	987	0,1690	PASS	-0,4113	292	1035	1,2251	PASS	1,1074
293	962	1,4440	PASS	-1,2023	293	983	0,2890	PASS	-0,5378
294	1002	0,0040	PASS	0,0633	294	974	0,6759	PASS	-0,8226
295	990	0,1000	PASS	-0,3164	295	1015	0,2250	PASS	0,4746
296	954	2,1160	PASS	-1,4554	296	1070	4,9001	PASS	2,2147
297	975	0,6250	PASS	-0,7910	297	1013	0,1690	PASS	0,4113
298	1023	0,5290	PASS	0,7277	298	997	0,0090	PASS	-0,0949
299	1030	0,9000	PASS	0,9492	299	997	0,0090	PASS	-0,0949
300	994	0,0360	PASS	-0,1898	300	988	0,1440	PASS	-0,3796
301	1072	5,1840	PASS	2,2780	301	965	1,2249	PASS	-1,1073
302	990	0,1000	PASS	-0,3164	302	1011	0,1210	PASS	0,3481

303	1012	0,1440	PASS	0,3797	303	1021	0,4410	PASS	0,6644
304	994	0,0360	PASS	-0,1898	304	983	0,2890	PASS	-0,5378
305	988	0,1440	PASS	-0,3797	305	991	0,0810	PASS	-0,2847
306	1071	5,0410	PASS	2,2463	306	997	0,0090	PASS	-0,0949
307	1031	0,9610	PASS	0,9808	307	1021	0,4410	PASS	0,6644
308	1017	0,2890	PASS	0,5379	308	983	0,2890	PASS	-0,5378
309	990	0,1000	PASS	-0,3164	309	1008	0,0640	PASS	0,2531
310	963	1,3690	PASS	-1,1706	310	990	0,1000	PASS	-0,3164
311	1021	0,4410	PASS	0,6644	311	971	0,8409	PASS	-0,9175
312	983	0,2890	PASS	-0,5379	312	1040	1,6001	PASS	1,2656
313	1002	0,0040	PASS	0,0633	313	983	0,2890	PASS	-0,5378
314	1005	0,0250	PASS	0,1582	314	1060	3,6001	PASS	1,8983
315	1027	0,7290	PASS	0,8542	315	990	0,1000	PASS	-0,3164
316	1000	0,0000	PASS	0,0000	316	1002	0,0040	PASS	0,0633
317	1037	1,3690	PASS	1,1706	317	1011	0,1210	PASS	0,3481
318	1034	1,1560	PASS	1,0757	318	1060	3,6001	PASS	1,8983
319	1023	0,5290	PASS	0,7277	319	999	0,0010	PASS	-0,0316
320	1059	3,4810	PASS	1,8667	320	991	0,0810	PASS	-0,2847
321	963	1,3690	PASS	-1,1706	321	1034	1,1561	PASS	1,0757
322	1023	0,5290	PASS	0,7277	322	985	0,2250	PASS	-0,4745
323	948	2,7040	PASS	-1,6452	323	1042	1,7641	PASS	1,3289
324	1015	0,2250	PASS	0,4746	324	995	0,0250	PASS	-0,1582
325	991	0,0810	PASS	-0,2847	325	977	0,5290	PASS	-0,7277
326	978	0,4840	PASS	-0,6960	326	1004	0,0160	PASS	0,1266
327	968	1,0240	PASS	-1,0124	327	1047	2,2091	PASS	1,4870
328	996	0,0160	PASS	-0,1266	328	1037	1,3691	PASS	1,1707
329	1008	0,0640	PASS	0,2531	329	981	0,3610	PASS	-0,6011
330	1010	0,1000	PASS	0,3164	330	1006	0,0360	PASS	0,1899
331	970	0,9000	PASS	-0,9492	331	964	1,2959	PASS	-1,1390
332	963	1,3690	PASS	-1,1706	332	998	0,0040	PASS	-0,0632
333	1014	0,1960	PASS	0,4429	333	1027	0,7291	PASS	0,8543
334	1030	0,9000	PASS	0,9492	334	1026	0,6761	PASS	0,8226
335	931	4,7610	PASS	-2,1831	335	1012	0,1440	PASS	0,3797
336	1006	0,0360	PASS	0,1898	336	983	0,2890	PASS	-0,5378
337	1036	1,2960	PASS	1,1390	337	999	0,0010	PASS	-0,0316
338	988	0,1440	PASS	-0,3797	338	1010	0,1000	PASS	0,3164
339	1014	0,1960	PASS	0,4429	339	1003	0,0090	PASS	0,0949
340	996	0,0160	PASS	-0,1266	340	1012	0,1440	PASS	0,3797
341	1011	0,1210	PASS	0,3480	341	1006	0,0360	PASS	0,1899
342	985	0,2250	PASS	-0,4746	342	1011	0,1210	PASS	0,3481
343	980	0,4000	PASS	-0,6328	343	1012	0,1440	PASS	0,3797
344	1033	1,0890	PASS	1,0441	344	1005	0,0250	PASS	0,1582
345	1064	4,0960	PASS	2,0249	345	971	0,8409	PASS	-0,9175
346	1033	1,0890	PASS	1,0441	346	958	1,7639	PASS	-1,3288
347	1006	0,0360	PASS	0,1898	347	1003	0,0090	PASS	0,0949
348	977	0,5290	PASS	-0,7277	348	1020	0,4000	PASS	0,6328
349	999	0,0010	PASS	-0,0316	349	961	1,5209	PASS	-1,2339
350	1030	0,9000	PASS	0,9492	350	963	1,3689	PASS	-1,1706
351	992	0,0640	PASS	-0,2531	351	1063	3,9691	PASS	1,9933
352	993	0,0490	PASS	-0,2215	352	997	0,0090	PASS	-0,0949
353	1029	0,8410	PASS	0,9175	353	1046	2,1161	PASS	1,4554
354	966	1,1560	PASS	-1,0757	354	1016	0,2560	PASS	0,5062
355	987	0,1690	PASS	-0,4113	355	1042	1,7641	PASS	1,3289

356	1015	0,2250	PASS	0,4746	356	1013	0,1690	PASS	0,4113
357	996	0,0160	PASS	-0,1266	357	1028	0,7841	PASS	0,8859
358	1019	0,3610	PASS	0,6011	358	1000	0,0000	PASS	0,0000
359	1043	1,8490	PASS	1,3605	359	947	2,8089	PASS	-1,6768
360	953	2,2090	PASS	-1,4870	360	955	2,0249	PASS	-1,4237
361	993	0,0490	PASS	-0,2215	361	966	1,1559	PASS	-1,0757
362	997	0,0090	PASS	-0,0949	362	995	0,0250	PASS	-0,1582
363	1030	0,9000	PASS	0,9492	363	1011	0,1210	PASS	0,3481
364	1035	1,2250	PASS	1,1074	364	966	1,1559	PASS	-1,0757
365	1070	4,9000	PASS	2,2147	365	971	0,8409	PASS	-0,9175
366	1032	1,0240	PASS	1,0124	366	1036	1,2961	PASS	1,1390
367	980	0,4000	PASS	-0,6328	367	1030	0,9001	PASS	0,9492
368	1020	0,4000	PASS	0,6328	368	951	2,4009	PASS	-1,5503
369	998	0,0040	PASS	-0,0633	369	1012	0,1440	PASS	0,3797
370	995	0,0250	PASS	-0,1582	370	977	0,5290	PASS	-0,7277
371	1001	0,0010	PASS	0,0316	371	974	0,6759	PASS	-0,8226
372	1005	0,0250	PASS	0,1582	372	947	2,8089	PASS	-1,6768
373	965	1,2250	PASS	-1,1074	373	964	1,2959	PASS	-1,1390
374	958	1,7640	PASS	-1,3288	374	1034	1,1561	PASS	1,0757
375	1062	3,8440	PASS	1,9616	375	1001	0,0010	PASS	0,0317
376	1006	0,0360	PASS	0,1898	376	1034	1,1561	PASS	1,0757
377	1006	0,0360	PASS	0,1898	377	1002	0,0040	PASS	0,0633
378	1009	0,0810	PASS	0,2847	378	1034	1,1561	PASS	1,0757
379	940	3,6000	PASS	-1,8983	379	970	0,8999	PASS	-0,9491
380	1037	1,3690	PASS	1,1706	380	992	0,0640	PASS	-0,2531
381	1006	0,0360	PASS	0,1898	381	998	0,0040	PASS	-0,0632
382	999	0,0010	PASS	-0,0316	382	1031	0,9611	PASS	0,9808
383	995	0,0250	PASS	-0,1582	383	1027	0,7291	PASS	0,8543
384	985	0,2250	PASS	-0,4746	384	1062	3,8441	PASS	1,9616
385	957	1,8490	PASS	-1,3605	385	1075	5,6252	PASS	2,3729
386	991	0,0810	PASS	-0,2847	386	964	1,2959	PASS	-1,1390
387	1027	0,7290	PASS	0,8542	387	1009	0,0810	PASS	0,2848
388	977	0,5290	PASS	-0,7277	388	954	2,1159	PASS	-1,4553
389	996	0,0160	PASS	-0,1266	389	1034	1,1561	PASS	1,0757
390	981	0,3610	PASS	-0,6011	390	1045	2,0251	PASS	1,4238
391	1010	0,1000	PASS	0,3164	391	962	1,4439	PASS	-1,2022
392	991	0,0810	PASS	-0,2847	392	985	0,2250	PASS	-0,4745
393	1016	0,2560	PASS	0,5062	393	1031	0,9611	PASS	0,9808
394	1040	1,6000	PASS	1,2655	394	987	0,1690	PASS	-0,4113
395	1028	0,7840	PASS	0,8859	395	978	0,4840	PASS	-0,6960
396	1006	0,0360	PASS	0,1898	396	973	0,7289	PASS	-0,8542
397	1039	1,5210	PASS	1,2339	397	1042	1,7641	PASS	1,3289
398	1055	3,0250	PASS	1,7401	398	1037	1,3691	PASS	1,1707
399	1038	1,4440	PASS	1,2023	399	976	0,5760	PASS	-0,7593
400	998	0,0040	PASS	-0,0633	400	997	0,0090	PASS	-0,0949
401	1001	0,0010	PASS	0,0316	401	977	0,5290	PASS	-0,7277
402	990	0,1000	PASS	-0,3164	402	976	0,5760	PASS	-0,7593
403	983	0,2890	PASS	-0,5379	403	992	0,0640	PASS	-0,2531
404	1037	1,3690	PASS	1,1706	404	962	1,4439	PASS	-1,2022
405	973	0,7290	PASS	-0,8542	405	1051	2,6011	PASS	1,6136
406	1018	0,3240	PASS	0,5695	406	1008	0,0640	PASS	0,2531
407	1004	0,0160	PASS	0,1266	407	972	0,7839	PASS	-0,8858
408	1039	1,5210	PASS	1,2339	408	989	0,1210	PASS	-0,3480

409	1028	0,7840	PASS	0,8859	409	1041	1,6811	PASS	1,2972
410	1030	0,9000	PASS	0,9492	410	1017	0,2890	PASS	0,5379
411	1022	0,4840	PASS	0,6960	411	990	0,1000	PASS	-0,3164
412	971	0,8410	PASS	-0,9175	412	945	3,0249	PASS	-1,7401
413	1057	3,2490	PASS	1,8034	413	1009	0,0810	PASS	0,2848
414	1017	0,2890	PASS	0,5379	414	942	3,3639	PASS	-1,8350
415	992	0,0640	PASS	-0,2531	415	1034	1,1561	PASS	1,0757
416	998	0,0040	PASS	-0,0633	416	991	0,0810	PASS	-0,2847
417	987	0,1690	PASS	-0,4113	417	1038	1,4441	PASS	1,2023
418	981	0,3610	PASS	-0,6011	418	1027	0,7291	PASS	0,8543
419	976	0,5760	PASS	-0,7593	419	979	0,4410	PASS	-0,6644
420	998	0,0040	PASS	-0,0633	420	948	2,7039	PASS	-1,6452
421	995	0,0250	PASS	-0,1582	421	959	1,6809	PASS	-1,2972
422	1021	0,4410	PASS	0,6644	422	917	6,8888	PASS	-2,6260
423	995	0,0250	PASS	-0,1582	423	961	1,5209	PASS	-1,2339
424	975	0,6250	PASS	-0,7910	424	1046	2,1161	PASS	1,4554
425	987	0,1690	PASS	-0,4113	425	995	0,0250	PASS	-0,1582
426	1055	3,0250	PASS	1,7401	426	961	1,5209	PASS	-1,2339
427	1014	0,1960	PASS	0,4429	427	978	0,4840	PASS	-0,6960
428	1040	1,6000	PASS	1,2655	428	994	0,0360	PASS	-0,1898
429	1032	1,0240	PASS	1,0124	429	932	4,6239	PASS	-2,1514
430	1045	2,0250	PASS	1,4237	430	947	2,8089	PASS	-1,6768
431	1009	0,0810	PASS	0,2847	431	964	1,2959	PASS	-1,1390
432	982	0,3240	PASS	-0,5695	432	1008	0,0640	PASS	0,2531
433	995	0,0250	PASS	-0,1582	433	984	0,2560	PASS	-0,5062
434	946	2,9160	PASS	-1,7085	434	1009	0,0810	PASS	0,2848
435	1009	0,0810	PASS	0,2847	435	1032	1,0241	PASS	1,0125
436	971	0,8410	PASS	-0,9175	436	954	2,1159	PASS	-1,4553
437	993	0,0490	PASS	-0,2215	437	1051	2,6011	PASS	1,6136
438	975	0,6250	PASS	-0,7910	438	975	0,6250	PASS	-0,7909
439	956	1,9360	PASS	-1,3921	439	981	0,3610	PASS	-0,6011
440	1044	1,9360	PASS	1,3921	440	1009	0,0810	PASS	0,2848
441	1055	3,0250	PASS	1,7401	441	971	0,8409	PASS	-0,9175
442	982	0,3240	PASS	-0,5695	442	1053	2,8091	PASS	1,6769
443	1041	1,6810	PASS	1,2972	443	1022	0,4840	PASS	0,6961
444	984	0,2560	PASS	-0,5062	444	1005	0,0250	PASS	0,1582
445	964	1,2960	PASS	-1,1390	445	983	0,2890	PASS	-0,5378
446	1010	0,1000	PASS	0,3164	446	1012	0,1440	PASS	0,3797
447	1008	0,0640	PASS	0,2531	447	973	0,7289	PASS	-0,8542
448	981	0,3610	PASS	-0,6011	448	952	2,3039	PASS	-1,5186
449	992	0,0640	PASS	-0,2531	449	993	0,0490	PASS	-0,2214
450	994	0,0360	PASS	-0,1898	450	1010	0,1000	PASS	0,3164
451	1012	0,1440	PASS	0,3797	451	1016	0,2560	PASS	0,5062
452	1032	1,0240	PASS	1,0124	452	1001	0,0010	PASS	0,0317
453	1015	0,2250	PASS	0,4746	453	1002	0,0040	PASS	0,0633
454	992	0,0640	PASS	-0,2531	454	1045	2,0251	PASS	1,4238
455	1037	1,3690	PASS	1,1706	455	997	0,0090	PASS	-0,0949
456	991	0,0810	PASS	-0,2847	456	1027	0,7291	PASS	0,8543
457	928	5,1840	PASS	-2,2780	457	939	3,7209	PASS	-1,9299
458	958	1,7640	PASS	-1,3288	458	968	1,0239	PASS	-1,0124
459	1041	1,6810	PASS	1,2972	459	956	1,9359	PASS	-1,3921
460	956	1,9360	PASS	-1,3921	460	966	1,1559	PASS	-1,0757
461	1023	0,5290	PASS	0,7277	461	1011	0,1210	PASS	0,3481

462	1076	5,7760	PASS	2,4045	462	936	4,0959	PASS	-2,0248
463	976	0,5760	PASS	-0,7593	463	997	0,0090	PASS	-0,0949
464	968	1,0240	PASS	-1,0124	464	1028	0,7841	PASS	0,8859
465	995	0,0250	PASS	-0,1582	465	1035	1,2251	PASS	1,1074
466	1002	0,0040	PASS	0,0633	466	979	0,4410	PASS	-0,6644
467	940	3,6000	PASS	-1,8983	467	1052	2,7041	PASS	1,6452
468	943	3,2490	PASS	-1,8034	468	984	0,2560	PASS	-0,5062
469	1014	0,1960	PASS	0,4429	469	1046	2,1161	PASS	1,4554
470	1052	2,7040	PASS	1,6452	470	1068	4,6241	PASS	2,1515
471	1034	1,1560	PASS	1,0757	471	996	0,0160	PASS	-0,1265
472	1029	0,8410	PASS	0,9175	472	965	1,2249	PASS	-1,1073
473	971	0,8410	PASS	-0,9175	473	935	4,2249	PASS	-2,0565
474	994	0,0360	PASS	-0,1898	474	921	6,2408	PASS	-2,4994
475	973	0,7290	PASS	-0,8542	475	998	0,0040	PASS	-0,0632
476	990	0,1000	PASS	-0,3164	476	1004	0,0160	PASS	0,1266
477	1000	0,0000	PASS	0,0000	477	999	0,0010	PASS	-0,0316
478	1051	2,6010	PASS	1,6136	478	964	1,2959	PASS	-1,1390
479	1023	0,5290	PASS	0,7277	479	1018	0,3240	PASS	0,5695
480	1055	3,0250	PASS	1,7401	480	1010	0,1000	PASS	0,3164
481	1020	0,4000	PASS	0,6328	481	969	0,9609	PASS	-0,9808
482	969	0,9610	PASS	-0,9808	482	1033	1,0891	PASS	1,0441
483	977	0,5290	PASS	-0,7277	483	1009	0,0810	PASS	0,2848
484	1021	0,4410	PASS	0,6644	484	1020	0,4000	PASS	0,6328
485	1013	0,1690	PASS	0,4113	485	965	1,2249	PASS	-1,1073
486	994	0,0360	PASS	-0,1898	486	988	0,1440	PASS	-0,3796
487	948	2,7040	PASS	-1,6452	487	988	0,1440	PASS	-0,3796
488	1005	0,0250	PASS	0,1582	488	1054	2,9161	PASS	1,7085
489	974	0,6760	PASS	-0,8226	489	998	0,0040	PASS	-0,0632
490	1028	0,7840	PASS	0,8859	490	978	0,4840	PASS	-0,6960
491	1000	0,0000	PASS	0,0000	491	970	0,8999	PASS	-0,9491
492	1021	0,4410	PASS	0,6644	492	974	0,6759	PASS	-0,8226
493	1011	0,1210	PASS	0,3480	493	947	2,8089	PASS	-1,6768
494	1018	0,3240	PASS	0,5695	494	1003	0,0090	PASS	0,0949
495	996	0,0160	PASS	-0,1266	495	1038	1,4441	PASS	1,2023
496	1039	1,5210	PASS	1,2339	496	1047	2,2091	PASS	1,4870
497	988	0,1440	PASS	-0,3797	497	996	0,0160	PASS	-0,1265
498	983	0,2890	PASS	-0,5379	498	1015	0,2250	PASS	0,4746
499	1029	0,8410	PASS	0,9175	499	976	0,5760	PASS	-0,7593
500	1008	0,0640	PASS	0,2531	500	997	0,0090	PASS	-0,0949
501	971	0,8410	PASS	-0,9175	501	999	0,0010	PASS	-0,0316
502	1031	0,9610	PASS	0,9808	502	997	0,0090	PASS	-0,0949
503	987	0,1690	PASS	-0,4113	503	1052	2,7041	PASS	1,6452
504	1022	0,4840	PASS	0,6960	504	1027	0,7291	PASS	0,8543
505	996	0,0160	PASS	-0,1266	505	952	2,3039	PASS	-1,5186
506	1027	0,7290	PASS	0,8542	506	1057	3,2491	PASS	1,8034
507	995	0,0250	PASS	-0,1582	507	1055	3,0251	PASS	1,7402
508	982	0,3240	PASS	-0,5695	508	981	0,3610	PASS	-0,6011
509	1010	0,1000	PASS	0,3164	509	1035	1,2251	PASS	1,1074
510	997	0,0090	PASS	-0,0949	510	994	0,0360	PASS	-0,1898
511	1002	0,0040	PASS	0,0633	511	964	1,2959	PASS	-1,1390
512	963	1,3690	PASS	-1,1706	512	1024	0,5760	PASS	0,7594
513	1015	0,2250	PASS	0,4746	513	1006	0,0360	PASS	0,1899
514	1058	3,3640	PASS	1,8350	514	1018	0,3240	PASS	0,5695

515	955	2,0250	PASS	-1,4237	515	1010	0,1000	PASS	0,3164
516	947	2,8090	PASS	-1,6768	516	1002	0,0040	PASS	0,0633
517	979	0,4410	PASS	-0,6644	517	961	1,5209	PASS	-1,2339
518	969	0,9610	PASS	-0,9808	518	962	1,4439	PASS	-1,2022
519	1042	1,7640	PASS	1,3288	519	1050	2,5001	PASS	1,5820
520	976	0,5760	PASS	-0,7593	520	1008	0,0640	PASS	0,2531
521	1050	2,5000	PASS	1,5819	521	999	0,0010	PASS	-0,0316
522	964	1,2960	PASS	-1,1390	522	976	0,5760	PASS	-0,7593
523	973	0,7290	PASS	-0,8542	523	989	0,1210	PASS	-0,3480
524	1000	0,0000	PASS	0,0000	524	1061	3,7211	PASS	1,9300
525	1051	2,6010	PASS	1,6136	525	1018	0,3240	PASS	0,5695
526	993	0,0490	PASS	-0,2215	526	1040	1,6001	PASS	1,2656
527	959	1,6810	PASS	-1,2972	527	984	0,2560	PASS	-0,5062
528	996	0,0160	PASS	-0,1266	528	973	0,7289	PASS	-0,8542
529	1022	0,4840	PASS	0,6960	529	986	0,1960	PASS	-0,4429
530	1020	0,4000	PASS	0,6328	530	986	0,1960	PASS	-0,4429
531	993	0,0490	PASS	-0,2215	531	1004	0,0160	PASS	0,1266
532	982	0,3240	PASS	-0,5695	532	978	0,4840	PASS	-0,6960
533	948	2,7040	PASS	-1,6452	533	958	1,7639	PASS	-1,3288
534	957	1,8490	PASS	-1,3605	534	1046	2,1161	PASS	1,4554
535	1037	1,3690	PASS	1,1706	535	1068	4,6241	PASS	2,1515
536	1029	0,8410	PASS	0,9175	536	1018	0,3240	PASS	0,5695
537	1009	0,0810	PASS	0,2847	537	1030	0,9001	PASS	0,9492
538	1020	0,4000	PASS	0,6328	538	998	0,0040	PASS	-0,0632
539	1004	0,0160	PASS	0,1266	539	993	0,0490	PASS	-0,2214
540	1038	1,4440	PASS	1,2023	540	1035	1,2251	PASS	1,1074
541	1011	0,1210	PASS	0,3480	541	993	0,0490	PASS	-0,2214
542	1010	0,1000	PASS	0,3164	542	1009	0,0810	PASS	0,2848
543	1031	0,9610	PASS	0,9808	543	1009	0,0810	PASS	0,2848
544	1014	0,1960	PASS	0,4429	544	971	0,8409	PASS	-0,9175
545	1006	0,0360	PASS	0,1898	545	1044	1,9361	PASS	1,3921
546	1024	0,5760	PASS	0,7593	546	971	0,8409	PASS	-0,9175
547	953	2,2090	PASS	-1,4870	547	1045	2,0251	PASS	1,4238
548	990	0,1000	PASS	-0,3164	548	995	0,0250	PASS	-0,1582
549	1050	2,5000	PASS	1,5819	549	961	1,5209	PASS	-1,2339
550	1011	0,1210	PASS	0,3480	550	1015	0,2250	PASS	0,4746
551	990	0,1000	PASS	-0,3164	551	961	1,5209	PASS	-1,2339
552	958	1,7640	PASS	-1,3288	552	1051	2,6011	PASS	1,6136
553	946	2,9160	PASS	-1,7085	553	971	0,8409	PASS	-0,9175
554	1038	1,4440	PASS	1,2023	554	1005	0,0250	PASS	0,1582
555	1000	0,0000	PASS	0,0000	555	1023	0,5290	PASS	0,7277
556	983	0,2890	PASS	-0,5379	556	966	1,1559	PASS	-1,0757
557	1016	0,2560	PASS	0,5062	557	1001	0,0010	PASS	0,0317
558	1003	0,0090	PASS	0,0949	558	1001	0,0010	PASS	0,0317
559	986	0,1960	PASS	-0,4429	559	1053	2,8091	PASS	1,6769
560	1059	3,4810	PASS	1,8667	560	958	1,7639	PASS	-1,3288
561	1034	1,1560	PASS	1,0757	561	1005	0,0250	PASS	0,1582
562	1024	0,5760	PASS	0,7593	562	994	0,0360	PASS	-0,1898
563	984	0,2560	PASS	-0,5062	563	1040	1,6001	PASS	1,2656
564	972	0,7840	PASS	-0,8859	564	935	4,2249	PASS	-2,0565
565	1006	0,0360	PASS	0,1898	565	1005	0,0250	PASS	0,1582
566	988	0,1440	PASS	-0,3797	566	1007	0,0490	PASS	0,2215
567	1008	0,0640	PASS	0,2531	567	1089	7,9212	PASS	2,8159

568	996	0,0160	PASS	-0,1266	568	982	0,3240	PASS	-0,5695
569	956	1,9360	PASS	-1,3921	569	1050	2,5001	PASS	1,5820
570	1035	1,2250	PASS	1,1074	570	1009	0,0810	PASS	0,2848
571	1059	3,4810	PASS	1,8667	571	993	0,0490	PASS	-0,2214
572	994	0,0360	PASS	-0,1898	572	1002	0,0040	PASS	0,0633
573	998	0,0040	PASS	-0,0633	573	975	0,6250	PASS	-0,7909
574	1022	0,4840	PASS	0,6960	574	994	0,0360	PASS	-0,1898
575	977	0,5290	PASS	-0,7277	575	1004	0,0160	PASS	0,1266
576	987	0,1690	PASS	-0,4113	576	1042	1,7641	PASS	1,3289
577	993	0,0490	PASS	-0,2215	577	942	3,3639	PASS	-1,8350
578	961	1,5210	PASS	-1,2339	578	984	0,2560	PASS	-0,5062
579	1047	2,2090	PASS	1,4870	579	1032	1,0241	PASS	1,0125
580	961	1,5210	PASS	-1,2339	580	982	0,3240	PASS	-0,5695
581	1026	0,6760	PASS	0,8226	581	967	1,0889	PASS	-1,0440
582	1024	0,5760	PASS	0,7593	582	1013	0,1690	PASS	0,4113
583	964	1,2960	PASS	-1,1390	583	1034	1,1561	PASS	1,0757
584	979	0,4410	PASS	-0,6644	584	896	10,8158	FAIL	-3,2904
585	969	0,9610	PASS	-0,9808	585	1009	0,0810	PASS	0,2848
586	1004	0,0160	PASS	0,1266	586	980	0,4000	PASS	-0,6327
587	966	1,1560	PASS	-1,0757	587	981	0,3610	PASS	-0,6011
588	1033	1,0890	PASS	1,0441	588	926	5,4759	PASS	-2,3412
589	969	0,9610	PASS	-0,9808	589	979	0,4410	PASS	-0,6644
590	985	0,2250	PASS	-0,4746	590	1015	0,2250	PASS	0,4746
591	975	0,6250	PASS	-0,7910	591	1030	0,9001	PASS	0,9492
592	946	2,9160	PASS	-1,7085	592	1075	5,6252	PASS	2,3729
593	1006	0,0360	PASS	0,1898	593	986	0,1960	PASS	-0,4429
594	1005	0,0250	PASS	0,1582	594	994	0,0360	PASS	-0,1898
595	957	1,8490	PASS	-1,3605	595	1010	0,1000	PASS	0,3164
596	944	3,1360	PASS	-1,7718	596	1035	1,2251	PASS	1,1074
597	958	1,7640	PASS	-1,3288	597	968	1,0239	PASS	-1,0124
598	995	0,0250	PASS	-0,1582	598	1022	0,4840	PASS	0,6961
599	1009	0,0810	PASS	0,2847	599	974	0,6759	PASS	-0,8226
600	1009	0,0810	PASS	0,2847	600	969	0,9609	PASS	-0,9808
601	960	1,6000	PASS	-1,2655	601	969	0,9609	PASS	-0,9808
602	979	0,4410	PASS	-0,6644	602	1006	0,0360	PASS	0,1899
603	985	0,2250	PASS	-0,4746	603	974	0,6759	PASS	-0,8226
604	972	0,7840	PASS	-0,8859	604	947	2,8089	PASS	-1,6768
605	936	4,0960	PASS	-2,0249	605	996	0,0160	PASS	-0,1265
606	1032	1,0240	PASS	1,0124	606	1014	0,1960	PASS	0,4430
607	958	1,7640	PASS	-1,3288	607	987	0,1690	PASS	-0,4113
608	1020	0,4000	PASS	0,6328	608	1045	2,0251	PASS	1,4238
609	1086	7,3960	PASS	2,7209	609	1042	1,7641	PASS	1,3289
610	1021	0,4410	PASS	0,6644	610	1004	0,0160	PASS	0,1266
611	968	1,0240	PASS	-1,0124	611	937	3,9689	PASS	-1,9932
612	1023	0,5290	PASS	0,7277	612	1063	3,9691	PASS	1,9933
613	1012	0,1440	PASS	0,3797	613	993	0,0490	PASS	-0,2214
614	1000	0,0000	PASS	0,0000	614	1031	0,9611	PASS	0,9808
615	978	0,4840	PASS	-0,6960	615	1040	1,6001	PASS	1,2656
616	996	0,0160	PASS	-0,1266	616	997	0,0090	PASS	-0,0949
617	1015	0,2250	PASS	0,4746	617	990	0,1000	PASS	-0,3164
618	994	0,0360	PASS	-0,1898	618	1001	0,0010	PASS	0,0317
619	992	0,0640	PASS	-0,2531	619	1023	0,5290	PASS	0,7277
620	974	0,6760	PASS	-0,8226	620	990	0,1000	PASS	-0,3164

621	1069	4,7610	PASS	2,1831	621	1017	0,2890	PASS	0,5379
622	1023	0,5290	PASS	0,7277	622	1010	0,1000	PASS	0,3164
623	947	2,8090	PASS	-1,6768	623	1055	3,0251	PASS	1,7402
624	1019	0,3610	PASS	0,6011	624	1033	1,0891	PASS	1,0441
625	1026	0,6760	PASS	0,8226	625	1027	0,7291	PASS	0,8543
626	976	0,5760	PASS	-0,7593	626	1007	0,0490	PASS	0,2215
627	1005	0,0250	PASS	0,1582	627	1045	2,0251	PASS	1,4238
628	999	0,0010	PASS	-0,0316	628	979	0,4410	PASS	-0,6644
629	985	0,2250	PASS	-0,4746	629	1050	2,5001	PASS	1,5820
630	1012	0,1440	PASS	0,3797	630	1002	0,0040	PASS	0,0633
631	1006	0,0360	PASS	0,1898	631	972	0,7839	PASS	-0,8858
632	1011	0,1210	PASS	0,3480	632	969	0,9609	PASS	-0,9808
633	982	0,3240	PASS	-0,5695	633	948	2,7039	PASS	-1,6452
634	1053	2,8090	PASS	1,6768	634	990	0,1000	PASS	-0,3164
635	962	1,4440	PASS	-1,2023	635	1047	2,2091	PASS	1,4870
636	927	5,3290	PASS	-2,3096	636	1025	0,6251	PASS	0,7910
637	973	0,7290	PASS	-0,8542	637	985	0,2250	PASS	-0,4745
638	997	0,0090	PASS	-0,0949	638	971	0,8409	PASS	-0,9175
639	1019	0,3610	PASS	0,6011	639	964	1,2959	PASS	-1,1390
640	998	0,0040	PASS	-0,0633	640	1021	0,4410	PASS	0,6644
641	1045	2,0250	PASS	1,4237	641	1004	0,0160	PASS	0,1266
642	1007	0,0490	PASS	0,2215	642	975	0,6250	PASS	-0,7909
643	995	0,0250	PASS	-0,1582	643	1006	0,0360	PASS	0,1899
644	926	5,4760	PASS	-2,3413	644	1011	0,1210	PASS	0,3481
645	990	0,1000	PASS	-0,3164	645	995	0,0250	PASS	-0,1582
646	1046	2,1160	PASS	1,4554	646	949	2,6009	PASS	-1,6135
647	988	0,1440	PASS	-0,3797	647	991	0,0810	PASS	-0,2847
648	1014	0,1960	PASS	0,4429	648	1027	0,7291	PASS	0,8543
649	1015	0,2250	PASS	0,4746	649	973	0,7289	PASS	-0,8542
650	995	0,0250	PASS	-0,1582	650	1014	0,1960	PASS	0,4430
651	994	0,0360	PASS	-0,1898	651	1071	5,0411	PASS	2,2464
652	1015	0,2250	PASS	0,4746	652	1017	0,2890	PASS	0,5379
653	939	3,7210	PASS	-1,9300	653	1012	0,1440	PASS	0,3797
654	972	0,7840	PASS	-0,8859	654	1008	0,0640	PASS	0,2531
655	980	0,4000	PASS	-0,6328	655	1008	0,0640	PASS	0,2531
656	954	2,1160	PASS	-1,4554	656	1064	4,0961	PASS	2,0249
657	932	4,6240	PASS	-2,1514	657	941	3,4809	PASS	-1,8666
658	989	0,1210	PASS	-0,3480	658	1079	6,2412	PASS	2,4995
659	1037	1,3690	PASS	1,1706	659	995	0,0250	PASS	-0,1582
660	976	0,5760	PASS	-0,7593	660	956	1,9359	PASS	-1,3921
661	1002	0,0040	PASS	0,0633	661	1014	0,1960	PASS	0,4430
662	948	2,7040	PASS	-1,6452	662	1038	1,4441	PASS	1,2023
663	1003	0,0090	PASS	0,0949	663	1043	1,8491	PASS	1,3605
664	937	3,9690	PASS	-1,9932	664	1035	1,2251	PASS	1,1074
665	1024	0,5760	PASS	0,7593	665	1021	0,4410	PASS	0,6644
666	967	1,0890	PASS	-1,0441	666	950	2,4999	PASS	-1,5819
667	997	0,0090	PASS	-0,0949	667	1011	0,1210	PASS	0,3481
668	986	0,1960	PASS	-0,4429	668	1041	1,6811	PASS	1,2972
669	989	0,1210	PASS	-0,3480	669	987	0,1690	PASS	-0,4113
670	1051	2,6010	PASS	1,6136	670	1016	0,2560	PASS	0,5062
671	1019	0,3610	PASS	0,6011	671	971	0,8409	PASS	-0,9175
672	1016	0,2560	PASS	0,5062	672	1022	0,4840	PASS	0,6961
673	963	1,3690	PASS	-1,1706	673	935	4,2249	PASS	-2,0565

674	1089	7,9210	PASS	2,8158	674	1035	1,2251	PASS	1,1074
675	1044	1,9360	PASS	1,3921	675	984	0,2560	PASS	-0,5062
676	989	0,1210	PASS	-0,3480	676	1024	0,5760	PASS	0,7594
677	1027	0,7290	PASS	0,8542	677	1072	5,1841	PASS	2,2780
678	990	0,1000	PASS	-0,3164	678	1024	0,5760	PASS	0,7594
679	1001	0,0010	PASS	0,0316	679	995	0,0250	PASS	-0,1582
680	978	0,4840	PASS	-0,6960	680	1006	0,0360	PASS	0,1899
681	1016	0,2560	PASS	0,5062	681	975	0,6250	PASS	-0,7909
682	1001	0,0010	PASS	0,0316	682	980	0,4000	PASS	-0,6327
683	984	0,2560	PASS	-0,5062	683	992	0,0640	PASS	-0,2531
684	1015	0,2250	PASS	0,4746	684	999	0,0010	PASS	-0,0316
685	933	4,4890	PASS	-2,1198	685	999	0,0010	PASS	-0,0316
686	1003	0,0090	PASS	0,0949	686	952	2,3039	PASS	-1,5186
687	991	0,0810	PASS	-0,2847	687	992	0,0640	PASS	-0,2531
688	988	0,1440	PASS	-0,3797	688	1031	0,9611	PASS	0,9808
689	1052	2,7040	PASS	1,6452	689	1004	0,0160	PASS	0,1266
690	1020	0,4000	PASS	0,6328	690	1007	0,0490	PASS	0,2215
691	1021	0,4410	PASS	0,6644	691	1019	0,3610	PASS	0,6012
692	1026	0,6760	PASS	0,8226	692	958	1,7639	PASS	-1,3288
693	982	0,3240	PASS	-0,5695	693	1000	0,0000	PASS	0,0000
694	1051	2,6010	PASS	1,6136	694	1003	0,0090	PASS	0,0949
695	950	2,5000	PASS	-1,5819	695	957	1,8489	PASS	-1,3604
696	990	0,1000	PASS	-0,3164	696	967	1,0889	PASS	-1,0440
697	1023	0,5290	PASS	0,7277	697	982	0,3240	PASS	-0,5695
698	934	4,3560	PASS	-2,0881	698	1016	0,2560	PASS	0,5062
699	1042	1,7640	PASS	1,3288	699	1071	5,0411	PASS	2,2464
700	1015	0,2250	PASS	0,4746	700	964	1,2959	PASS	-1,1390
701	984	0,2560	PASS	-0,5062	701	940	3,5999	PASS	-1,8983
702	1035	1,2250	PASS	1,1074	702	1012	0,1440	PASS	0,3797
703	963	1,3690	PASS	-1,1706	703	984	0,2560	PASS	-0,5062
704	1017	0,2890	PASS	0,5379	704	1059	3,4811	PASS	1,8667
705	961	1,5210	PASS	-1,2339	705	1031	0,9611	PASS	0,9808
706	997	0,0090	PASS	-0,0949	706	1020	0,4000	PASS	0,6328
707	1000	0,0000	PASS	0,0000	707	1010	0,1000	PASS	0,3164
708	987	0,1690	PASS	-0,4113	708	1013	0,1690	PASS	0,4113
709	962	1,4440	PASS	-1,2023	709	999	0,0010	PASS	-0,0316
710	1019	0,3610	PASS	0,6011	710	999	0,0010	PASS	-0,0316
711	1041	1,6810	PASS	1,2972	711	971	0,8409	PASS	-0,9175
712	973	0,7290	PASS	-0,8542	712	985	0,2250	PASS	-0,4745
713	974	0,6760	PASS	-0,8226	713	989	0,1210	PASS	-0,3480
714	1002	0,0040	PASS	0,0633	714	999	0,0010	PASS	-0,0316
715	993	0,0490	PASS	-0,2215	715	965	1,2249	PASS	-1,1073
716	1037	1,3690	PASS	1,1706	716	985	0,2250	PASS	-0,4745
717	977	0,5290	PASS	-0,7277	717	1040	1,6001	PASS	1,2656
718	960	1,6000	PASS	-1,2655	718	989	0,1210	PASS	-0,3480
719	990	0,1000	PASS	-0,3164	719	1033	1,0891	PASS	1,0441
720	982	0,3240	PASS	-0,5695	720	1016	0,2560	PASS	0,5062
721	966	1,1560	PASS	-1,0757	721	1026	0,6761	PASS	0,8226
722	1021	0,4410	PASS	0,6644	722	998	0,0040	PASS	-0,0632
723	1046	2,1160	PASS	1,4554	723	1048	2,3041	PASS	1,5187
724	1060	3,6000	PASS	1,8983	724	990	0,1000	PASS	-0,3164
725	1037	1,3690	PASS	1,1706	725	987	0,1690	PASS	-0,4113
726	966	1,1560	PASS	-1,0757	726	1019	0,3610	PASS	0,6012

727	998	0,0040	PASS	-0,0633	727	1001	0,0010	PASS	0,0317
728	1018	0,3240	PASS	0,5695	728	1008	0,0640	PASS	0,2531
729	1012	0,1440	PASS	0,3797	729	1023	0,5290	PASS	0,7277
730	967	1,0890	PASS	-1,0441	730	1051	2,6011	PASS	1,6136
731	956	1,9360	PASS	-1,3921	731	1011	0,1210	PASS	0,3481
732	948	2,7040	PASS	-1,6452	732	981	0,3610	PASS	-0,6011
733	1015	0,2250	PASS	0,4746	733	1028	0,7841	PASS	0,8859
734	975	0,6250	PASS	-0,7910	734	1013	0,1690	PASS	0,4113
735	970	0,9000	PASS	-0,9492	735	1027	0,7291	PASS	0,8543
736	1022	0,4840	PASS	0,6960	736	1009	0,0810	PASS	0,2848
737	1019	0,3610	PASS	0,6011	737	966	1,1559	PASS	-1,0757
738	1032	1,0240	PASS	1,0124	738	1009	0,0810	PASS	0,2848
739	1023	0,5290	PASS	0,7277	739	974	0,6759	PASS	-0,8226
740	1003	0,0090	PASS	0,0949	740	1088	7,7442	PASS	2,7842
741	960	1,6000	PASS	-1,2655	741	1002	0,0040	PASS	0,0633
742	980	0,4000	PASS	-0,6328	742	967	1,0889	PASS	-1,0440
743	952	2,3040	PASS	-1,5187	743	978	0,4840	PASS	-0,6960
744	1062	3,8440	PASS	1,9616	744	999	0,0010	PASS	-0,0316
745	1037	1,3690	PASS	1,1706	745	1011	0,1210	PASS	0,3481
746	967	1,0890	PASS	-1,0441	746	990	0,1000	PASS	-0,3164
747	945	3,0250	PASS	-1,7401	747	977	0,5290	PASS	-0,7277
748	971	0,8410	PASS	-0,9175	748	1013	0,1690	PASS	0,4113
749	1001	0,0010	PASS	0,0316	749	1050	2,5001	PASS	1,5820
750	988	0,1440	PASS	-0,3797	750	1031	0,9611	PASS	0,9808
751	951	2,4010	PASS	-1,5503	751	949	2,6009	PASS	-1,6135
752	1050	2,5000	PASS	1,5819	752	955	2,0249	PASS	-1,4237
753	979	0,4410	PASS	-0,6644	753	947	2,8089	PASS	-1,6768
754	1021	0,4410	PASS	0,6644	754	1081	6,5612	PASS	2,5628
755	996	0,0160	PASS	-0,1266	755	996	0,0160	PASS	-0,1265
756	971	0,8410	PASS	-0,9175	756	966	1,1559	PASS	-1,0757
757	1040	1,6000	PASS	1,2655	757	992	0,0640	PASS	-0,2531
758	1022	0,4840	PASS	0,6960	758	988	0,1440	PASS	-0,3796
759	976	0,5760	PASS	-0,7593	759	1061	3,7211	PASS	1,9300
760	1061	3,7210	PASS	1,9300	760	1003	0,0090	PASS	0,0949
761	1007	0,0490	PASS	0,2215	761	1004	0,0160	PASS	0,1266
762	982	0,3240	PASS	-0,5695	762	991	0,0810	PASS	-0,2847
763	964	1,2960	PASS	-1,1390	763	1022	0,4840	PASS	0,6961
764	1007	0,0490	PASS	0,2215	764	1015	0,2250	PASS	0,4746
765	1015	0,2250	PASS	0,4746	765	992	0,0640	PASS	-0,2531
766	990	0,1000	PASS	-0,3164	766	1022	0,4840	PASS	0,6961
767	1004	0,0160	PASS	0,1266	767	996	0,0160	PASS	-0,1265
768	1064	4,0960	PASS	2,0249	768	942	3,3639	PASS	-1,8350
769	973	0,7290	PASS	-0,8542	769	957	1,8489	PASS	-1,3604
770	1000	0,0000	PASS	0,0000	770	988	0,1440	PASS	-0,3796
771	959	1,6810	PASS	-1,2972	771	980	0,4000	PASS	-0,6327
772	1002	0,0040	PASS	0,0633	772	1027	0,7291	PASS	0,8543
773	945	3,0250	PASS	-1,7401	773	996	0,0160	PASS	-0,1265
774	1007	0,0490	PASS	0,2215	774	980	0,4000	PASS	-0,6327
775	969	0,9610	PASS	-0,9808	775	980	0,4000	PASS	-0,6327
776	946	2,9160	PASS	-1,7085	776	989	0,1210	PASS	-0,3480
777	979	0,4410	PASS	-0,6644	777	1025	0,6251	PASS	0,7910
778	998	0,0040	PASS	-0,0633	778	1009	0,0810	PASS	0,2848
779	1001	0,0010	PASS	0,0316	779	961	1,5209	PASS	-1,2339

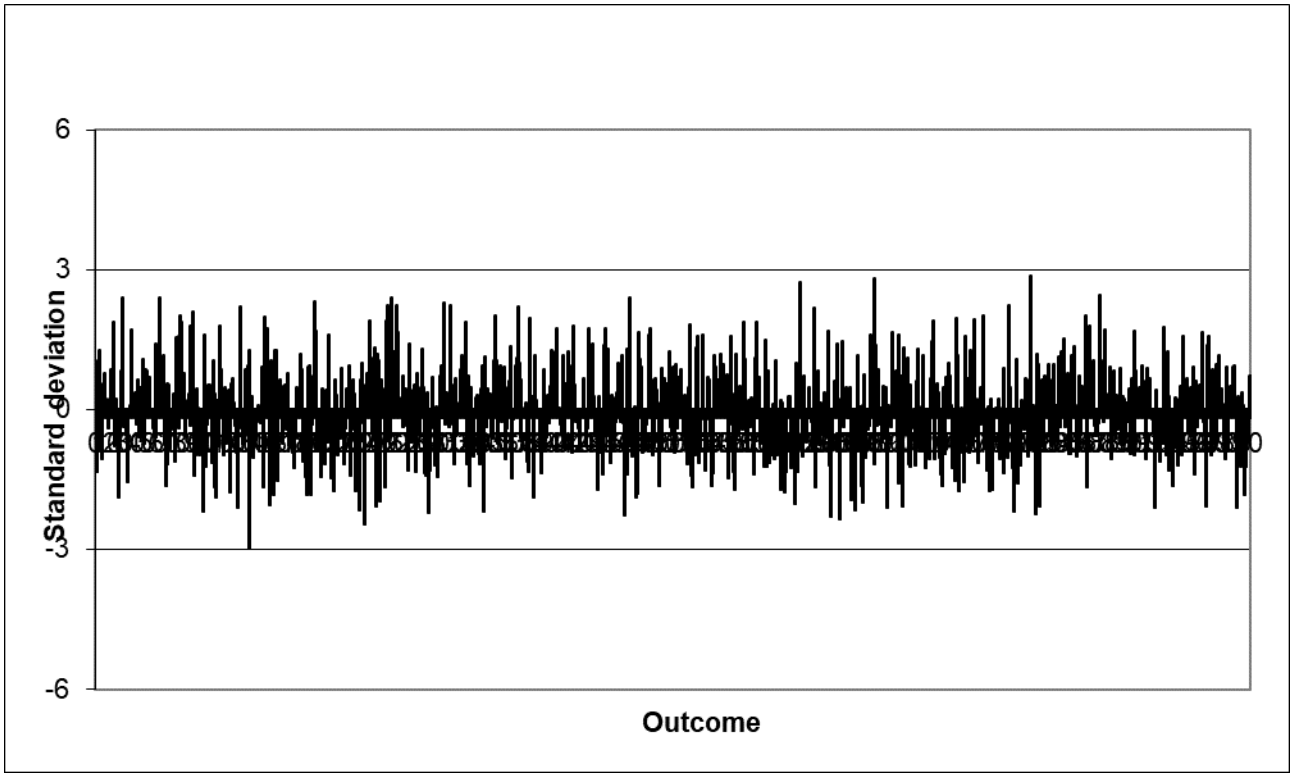
780	999	0,0010	PASS	-0,0316	780	942	3,3639	PASS	-1,8350
781	1007	0,0490	PASS	0,2215	781	1036	1,2961	PASS	1,1390
782	966	1,1560	PASS	-1,0757	782	970	0,8999	PASS	-0,9491
783	993	0,0490	PASS	-0,2215	783	941	3,4809	PASS	-1,8666
784	1001	0,0010	PASS	0,0316	784	1017	0,2890	PASS	0,5379
785	1028	0,7840	PASS	0,8859	785	1041	1,6811	PASS	1,2972
786	957	1,8490	PASS	-1,3605	786	985	0,2250	PASS	-0,4745
787	996	0,0160	PASS	-0,1266	787	1031	0,9611	PASS	0,9808
788	970	0,9000	PASS	-0,9492	788	1020	0,4000	PASS	0,6328
789	967	1,0890	PASS	-1,0441	789	958	1,7639	PASS	-1,3288
790	1071	5,0410	PASS	2,2463	790	1023	0,5290	PASS	0,7277
791	1015	0,2250	PASS	0,4746	791	1000	0,0000	PASS	0,0000
792	991	0,0810	PASS	-0,2847	792	987	0,1690	PASS	-0,4113
793	960	1,6000	PASS	-1,2655	793	988	0,1440	PASS	-0,3796
794	931	4,7610	PASS	-2,1831	794	1061	3,7211	PASS	1,9300
795	974	0,6760	PASS	-0,8226	795	976	0,5760	PASS	-0,7593
796	997	0,0090	PASS	-0,0949	796	971	0,8409	PASS	-0,9175
797	1034	1,1560	PASS	1,0757	797	981	0,3610	PASS	-0,6011
798	950	2,5000	PASS	-1,5819	798	993	0,0490	PASS	-0,2214
799	982	0,3240	PASS	-0,5695	799	997	0,0090	PASS	-0,0949
800	962	1,4440	PASS	-1,2023	800	1007	0,0490	PASS	0,2215
801	1006	0,0360	PASS	0,1898	801	984	0,2560	PASS	-0,5062
802	991	0,0810	PASS	-0,2847	802	1041	1,6811	PASS	1,2972
803	986	0,1960	PASS	-0,4429	803	985	0,2250	PASS	-0,4745
804	1021	0,4410	PASS	0,6644	804	991	0,0810	PASS	-0,2847
805	1020	0,4000	PASS	0,6328	805	1005	0,0250	PASS	0,1582
806	968	1,0240	PASS	-1,0124	806	941	3,4809	PASS	-1,8666
807	972	0,7840	PASS	-0,8859	807	917	6,8888	PASS	-2,6260
808	1006	0,0360	PASS	0,1898	808	978	0,4840	PASS	-0,6960
809	1091	8,2810	PASS	2,8791	809	999	0,0010	PASS	-0,0316
810	973	0,7290	PASS	-0,8542	810	1080	6,4002	PASS	2,5311
811	1003	0,0090	PASS	0,0949	811	994	0,0360	PASS	-0,1898
812	973	0,7290	PASS	-0,8542	812	1009	0,0810	PASS	0,2848
813	929	5,0410	PASS	-2,2463	813	1045	2,0251	PASS	1,4238
814	1038	1,4440	PASS	1,2023	814	1009	0,0810	PASS	0,2848
815	1031	0,9610	PASS	0,9808	815	956	1,9359	PASS	-1,3921
816	958	1,7640	PASS	-1,3288	816	965	1,2249	PASS	-1,1073
817	934	4,3560	PASS	-2,0881	817	1001	0,0010	PASS	0,0317
818	979	0,4410	PASS	-0,6644	818	996	0,0160	PASS	-0,1265
819	1020	0,4000	PASS	0,6328	819	1005	0,0250	PASS	0,1582
820	978	0,4840	PASS	-0,6960	820	936	4,0959	PASS	-2,0248
821	1023	0,5290	PASS	0,7277	821	986	0,1960	PASS	-0,4429
822	1020	0,4000	PASS	0,6328	822	1013	0,1690	PASS	0,4113
823	996	0,0160	PASS	-0,1266	823	973	0,7289	PASS	-0,8542
824	1031	0,9610	PASS	0,9808	824	980	0,4000	PASS	-0,6327
825	982	0,3240	PASS	-0,5695	825	1031	0,9611	PASS	0,9808
826	1007	0,0490	PASS	0,2215	826	993	0,0490	PASS	-0,2214
827	975	0,6250	PASS	-0,7910	827	1047	2,2091	PASS	1,4870
828	1020	0,4000	PASS	0,6328	828	985	0,2250	PASS	-0,4745
829	1031	0,9610	PASS	0,9808	829	1029	0,8411	PASS	0,9176
830	979	0,4410	PASS	-0,6644	830	992	0,0640	PASS	-0,2531
831	1003	0,0090	PASS	0,0949	831	1032	1,0241	PASS	1,0125
832	978	0,4840	PASS	-0,6960	832	956	1,9359	PASS	-1,3921

833	1036	1,2960	PASS	1,1390	833	1024	0,5760	PASS	0,7594
834	988	0,1440	PASS	-0,3797	834	1021	0,4410	PASS	0,6644
835	1039	1,5210	PASS	1,2339	835	988	0,1440	PASS	-0,3796
836	1018	0,3240	PASS	0,5695	836	1030	0,9001	PASS	0,9492
837	1008	0,0640	PASS	0,2531	837	1074	5,4762	PASS	2,3413
838	1048	2,3040	PASS	1,5187	838	988	0,1440	PASS	-0,3796
839	988	0,1440	PASS	-0,3797	839	1070	4,9001	PASS	2,2147
840	1023	0,5290	PASS	0,7277	840	938	3,8439	PASS	-1,9616
841	1025	0,6250	PASS	0,7910	841	1056	3,1361	PASS	1,7718
842	970	0,9000	PASS	-0,9492	842	1048	2,3041	PASS	1,5187
843	970	0,9000	PASS	-0,9492	843	1006	0,0360	PASS	0,1899
844	1037	1,3690	PASS	1,1706	844	961	1,5209	PASS	-1,2339
845	1035	1,2250	PASS	1,1074	845	999	0,0010	PASS	-0,0316
846	1043	1,8490	PASS	1,3605	846	981	0,3610	PASS	-0,6011
847	1003	0,0090	PASS	0,0949	847	1008	0,0640	PASS	0,2531
848	1002	0,0040	PASS	0,0633	848	1057	3,2491	PASS	1,8034
849	968	1,0240	PASS	-1,0124	849	957	1,8489	PASS	-1,3604
850	972	0,7840	PASS	-0,8859	850	972	0,7839	PASS	-0,8858
851	1023	0,5290	PASS	0,7277	851	1031	0,9611	PASS	0,9808
852	985	0,2250	PASS	-0,4746	852	1036	1,2961	PASS	1,1390
853	1016	0,2560	PASS	0,5062	853	966	1,1559	PASS	-1,0757
854	1000	0,0000	PASS	0,0000	854	989	0,1210	PASS	-0,3480
855	1008	0,0640	PASS	0,2531	855	1000	0,0000	PASS	0,0000
856	1064	4,0960	PASS	2,0249	856	991	0,0810	PASS	-0,2847
857	947	2,8090	PASS	-1,6768	857	1051	2,6011	PASS	1,6136
858	997	0,0090	PASS	-0,0949	858	961	1,5209	PASS	-1,2339
859	996	0,0160	PASS	-0,1266	859	1019	0,3610	PASS	0,6012
860	1057	3,2490	PASS	1,8034	860	996	0,0160	PASS	-0,1265
861	999	0,0010	PASS	-0,0316	861	1001	0,0010	PASS	0,0317
862	1005	0,0250	PASS	0,1582	862	977	0,5290	PASS	-0,7277
863	1033	1,0890	PASS	1,0441	863	994	0,0360	PASS	-0,1898
864	989	0,1210	PASS	-0,3480	864	982	0,3240	PASS	-0,5695
865	982	0,3240	PASS	-0,5695	865	978	0,4840	PASS	-0,6960
866	984	0,2560	PASS	-0,5062	866	1055	3,0251	PASS	1,7402
867	991	0,0810	PASS	-0,2847	867	1041	1,6811	PASS	1,2972
868	991	0,0810	PASS	-0,2847	868	995	0,0250	PASS	-0,1582
869	1078	6,0840	PASS	2,4678	869	989	0,1210	PASS	-0,3480
870	1033	1,0890	PASS	1,0441	870	1013	0,1690	PASS	0,4113
871	996	0,0160	PASS	-0,1266	871	991	0,0810	PASS	-0,2847
872	992	0,0640	PASS	-0,2531	872	996	0,0160	PASS	-0,1265
873	1054	2,9160	PASS	1,7085	873	979	0,4410	PASS	-0,6644
874	997	0,0090	PASS	-0,0949	874	967	1,0889	PASS	-1,0440
875	995	0,0250	PASS	-0,1582	875	1001	0,0010	PASS	0,0317
876	1011	0,1210	PASS	0,3480	876	923	5,9289	PASS	-2,4361
877	1013	0,1690	PASS	0,4113	877	1070	4,9001	PASS	2,2147
878	1029	0,8410	PASS	0,9175	878	960	1,5999	PASS	-1,2655
879	966	1,1560	PASS	-1,0757	879	1006	0,0360	PASS	0,1899
880	1025	0,6250	PASS	0,7910	880	1033	1,0891	PASS	1,0441
881	1026	0,6760	PASS	0,8226	881	974	0,6759	PASS	-0,8226
882	984	0,2560	PASS	-0,5062	882	993	0,0490	PASS	-0,2214
883	1010	0,1000	PASS	0,3164	883	952	2,3039	PASS	-1,5186
884	986	0,1960	PASS	-0,4429	884	1000	0,0000	PASS	0,0000
885	1004	0,0160	PASS	0,1266	885	982	0,3240	PASS	-0,5695

886	1028	0,7840	PASS	0,8859	886	985	0,2250	PASS	-0,4745
887	976	0,5760	PASS	-0,7593	887	1066	4,3561	PASS	2,0882
888	1009	0,0810	PASS	0,2847	888	1012	0,1440	PASS	0,3797
889	981	0,3610	PASS	-0,6011	889	1022	0,4840	PASS	0,6961
890	1007	0,0490	PASS	0,2215	890	975	0,6250	PASS	-0,7909
891	985	0,2250	PASS	-0,4746	891	985	0,2250	PASS	-0,4745
892	1005	0,0250	PASS	0,1582	892	988	0,1440	PASS	-0,3796
893	992	0,0640	PASS	-0,2531	893	974	0,6759	PASS	-0,8226
894	1014	0,1960	PASS	0,4429	894	1014	0,1960	PASS	0,4430
895	970	0,9000	PASS	-0,9492	895	1039	1,5211	PASS	1,2339
896	1021	0,4410	PASS	0,6644	896	989	0,1210	PASS	-0,3480
897	975	0,6250	PASS	-0,7910	897	988	0,1440	PASS	-0,3796
898	969	0,9610	PASS	-0,9808	898	971	0,8409	PASS	-0,9175
899	1053	2,8090	PASS	1,6768	899	1031	0,9611	PASS	0,9808
900	1026	0,6760	PASS	0,8226	900	983	0,2890	PASS	-0,5378
901	1008	0,0640	PASS	0,2531	901	993	0,0490	PASS	-0,2214
902	997	0,0090	PASS	-0,0949	902	1016	0,2560	PASS	0,5062
903	1015	0,2250	PASS	0,4746	903	1031	0,9611	PASS	0,9808
904	1010	0,1000	PASS	0,3164	904	968	1,0239	PASS	-1,0124
905	1030	0,9000	PASS	0,9492	905	987	0,1690	PASS	-0,4113
906	1019	0,3610	PASS	0,6011	906	980	0,4000	PASS	-0,6327
907	1014	0,1960	PASS	0,4429	907	933	4,4889	PASS	-2,1198
908	989	0,1210	PASS	-0,3480	908	991	0,0810	PASS	-0,2847
909	966	1,1560	PASS	-1,0757	909	951	2,4009	PASS	-1,5503
910	1028	0,7840	PASS	0,8859	910	1021	0,4410	PASS	0,6644
911	995	0,0250	PASS	-0,1582	911	963	1,3689	PASS	-1,1706
912	1021	0,4410	PASS	0,6644	912	974	0,6759	PASS	-0,8226
913	997	0,0090	PASS	-0,0949	913	1006	0,0360	PASS	0,1899
914	993	0,0490	PASS	-0,2215	914	1015	0,2250	PASS	0,4746
915	984	0,2560	PASS	-0,5062	915	1036	1,2961	PASS	1,1390
916	933	4,4890	PASS	-2,1198	916	987	0,1690	PASS	-0,4113
917	1013	0,1690	PASS	0,4113	917	1038	1,4441	PASS	1,2023
918	977	0,5290	PASS	-0,7277	918	984	0,2560	PASS	-0,5062
919	973	0,7290	PASS	-0,8542	919	1016	0,2560	PASS	0,5062
920	993	0,0490	PASS	-0,2215	920	973	0,7289	PASS	-0,8542
921	965	1,2250	PASS	-1,1074	921	978	0,4840	PASS	-0,6960
922	999	0,0010	PASS	-0,0316	922	978	0,4840	PASS	-0,6960
923	977	0,5290	PASS	-0,7277	923	1049	2,4011	PASS	1,5503
924	1056	3,1360	PASS	1,7718	924	985	0,2250	PASS	-0,4745
925	1036	1,2960	PASS	1,1390	925	979	0,4410	PASS	-0,6644
926	969	0,9610	PASS	-0,9808	926	1022	0,4840	PASS	0,6961
927	1039	1,5210	PASS	1,2339	927	991	0,0810	PASS	-0,2847
928	959	1,6810	PASS	-1,2972	928	1052	2,7041	PASS	1,6452
929	1009	0,0810	PASS	0,2847	929	1011	0,1210	PASS	0,3481
930	979	0,4410	PASS	-0,6644	930	986	0,1960	PASS	-0,4429
931	999	0,0010	PASS	-0,0316	931	998	0,0040	PASS	-0,0632
932	948	2,7040	PASS	-1,6452	932	908	8,4638	PASS	-2,9107
933	974	0,6760	PASS	-0,8226	933	966	1,1559	PASS	-1,0757
934	1008	0,0640	PASS	0,2531	934	979	0,4410	PASS	-0,6644
935	985	0,2250	PASS	-0,4746	935	1074	5,4762	PASS	2,3413
936	962	1,4440	PASS	-1,2023	936	970	0,8999	PASS	-0,9491
937	1007	0,0490	PASS	0,2215	937	971	0,8409	PASS	-0,9175
938	1016	0,2560	PASS	0,5062	938	1038	1,4441	PASS	1,2023

939	1003	0,0090	PASS	0,0949	939	969	0,9609	PASS	-0,9808
940	969	0,9610	PASS	-0,9808	940	990	0,1000	PASS	-0,3164
941	1050	2,5000	PASS	1,5819	941	1039	1,5211	PASS	1,2339
942	998	0,0040	PASS	-0,0633	942	984	0,2560	PASS	-0,5062
943	1004	0,0160	PASS	0,1266	943	965	1,2249	PASS	-1,1073
944	1021	0,4410	PASS	0,6644	944	991	0,0810	PASS	-0,2847
945	984	0,2560	PASS	-0,5062	945	979	0,4410	PASS	-0,6644
946	994	0,0360	PASS	-0,1898	946	1010	0,1000	PASS	0,3164
947	1015	0,2250	PASS	0,4746	947	963	1,3689	PASS	-1,1706
948	982	0,3240	PASS	-0,5695	948	1029	0,8411	PASS	0,9176
949	996	0,0160	PASS	-0,1266	949	973	0,7289	PASS	-0,8542
950	1029	0,8410	PASS	0,9175	950	1005	0,0250	PASS	0,1582
951	956	1,9360	PASS	-1,3921	951	1004	0,0160	PASS	0,1266
952	1019	0,3610	PASS	0,6011	952	1014	0,1960	PASS	0,4430
953	988	0,1440	PASS	-0,3797	953	991	0,0810	PASS	-0,2847
954	1015	0,2250	PASS	0,4746	954	1007	0,0490	PASS	0,2215
955	1017	0,2890	PASS	0,5379	955	991	0,0810	PASS	-0,2847
956	997	0,0090	PASS	-0,0949	956	1017	0,2890	PASS	0,5379
957	1052	2,7040	PASS	1,6452	957	1005	0,0250	PASS	0,1582
958	992	0,0640	PASS	-0,2531	958	1002	0,0040	PASS	0,0633
959	982	0,3240	PASS	-0,5695	959	985	0,2250	PASS	-0,4745
960	998	0,0040	PASS	-0,0633	960	1038	1,4441	PASS	1,2023
961	934	4,3560	PASS	-2,0881	961	1006	0,0360	PASS	0,1899
962	1044	1,9360	PASS	1,3921	962	1003	0,0090	PASS	0,0949
963	1050	2,5000	PASS	1,5819	963	1031	0,9611	PASS	0,9808
964	1006	0,0360	PASS	0,1898	964	1027	0,7291	PASS	0,8543
965	969	0,9610	PASS	-0,9808	965	1065	4,2251	PASS	2,0565
966	1027	0,7290	PASS	0,8542	966	1017	0,2890	PASS	0,5379
967	978	0,4840	PASS	-0,6960	967	963	1,3689	PASS	-1,1706
968	1016	0,2560	PASS	0,5062	968	1015	0,2250	PASS	0,4746
969	979	0,4410	PASS	-0,6644	969	1017	0,2890	PASS	0,5379
970	1031	0,9610	PASS	0,9808	970	969	0,9609	PASS	-0,9808
971	999	0,0010	PASS	-0,0316	971	1027	0,7291	PASS	0,8543
972	1037	1,3690	PASS	1,1706	972	1034	1,1561	PASS	1,0757
973	1013	0,1690	PASS	0,4113	973	1014	0,1960	PASS	0,4430
974	1014	0,1960	PASS	0,4429	974	976	0,5760	PASS	-0,7593
975	1004	0,0160	PASS	0,1266	975	984	0,2560	PASS	-0,5062
976	979	0,4410	PASS	-0,6644	976	988	0,1440	PASS	-0,3796
977	966	1,1560	PASS	-1,0757	977	1001	0,0010	PASS	0,0317
978	1029	0,8410	PASS	0,9175	978	1027	0,7291	PASS	0,8543
979	1004	0,0160	PASS	0,1266	979	1004	0,0160	PASS	0,1266
980	973	0,7290	PASS	-0,8542	980	958	1,7639	PASS	-1,3288
981	996	0,0160	PASS	-0,1266	981	1021	0,4410	PASS	0,6644
982	1016	0,2560	PASS	0,5062	982	990	0,1000	PASS	-0,3164
983	1016	0,2560	PASS	0,5062	983	956	1,9359	PASS	-1,3921
984	1029	0,8410	PASS	0,9175	984	981	0,3610	PASS	-0,6011
985	1030	0,9000	PASS	0,9492	985	1012	0,1440	PASS	0,3797
986	995	0,0250	PASS	-0,1582	986	951	2,4009	PASS	-1,5503
987	933	4,4890	PASS	-2,1198	987	959	1,6809	PASS	-1,2972
988	1009	0,0810	PASS	0,2847	988	1092	8,4642	PASS	2,9108
989	999	0,0010	PASS	-0,0316	989	1048	2,3041	PASS	1,5187
990	961	1,5210	PASS	-1,2339	990	977	0,5290	PASS	-0,7277
991	1006	0,0360	PASS	0,1898	991	1000	0,0000	PASS	0,0000

992	1012	0,1440	PASS	0,3797	992	1032	1,0241	PASS	1,0125
993	1003	0,0090	PASS	0,0949	993	1012	0,1440	PASS	0,3797
994	942	3,3640	PASS	-1,8350	994	955	2,0249	PASS	-1,4237
995	961	1,5210	PASS	-1,2339	995	1004	0,0160	PASS	0,1266
996	995	0,0250	PASS	-0,1582	996	991	0,0810	PASS	-0,2847
997	978	0,4840	PASS	-0,6960	997	973	0,7289	PASS	-0,8542
998	1023	0,5290	PASS	0,7277	998	1033	1,0891	PASS	1,0441
999	1023	0,5290	PASS	0,7277	999	1033	1,0891	PASS	1,0441



3.12 Draw for game Stairs (0 - 20)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-1,912	2,203
Differential outcomes:	-1,651	1,233

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	20		
χ - max	**α/2 =**	0,025	**34,170**	97,50%
χ - min	**1 – α/2 =**	0,975	**9,591**	2,50%
χ2 :		**16,634**		32,34%
χ2 (w):		**12,962**		12,10%

RUNS TEST

Direct outcomes: **PASS**

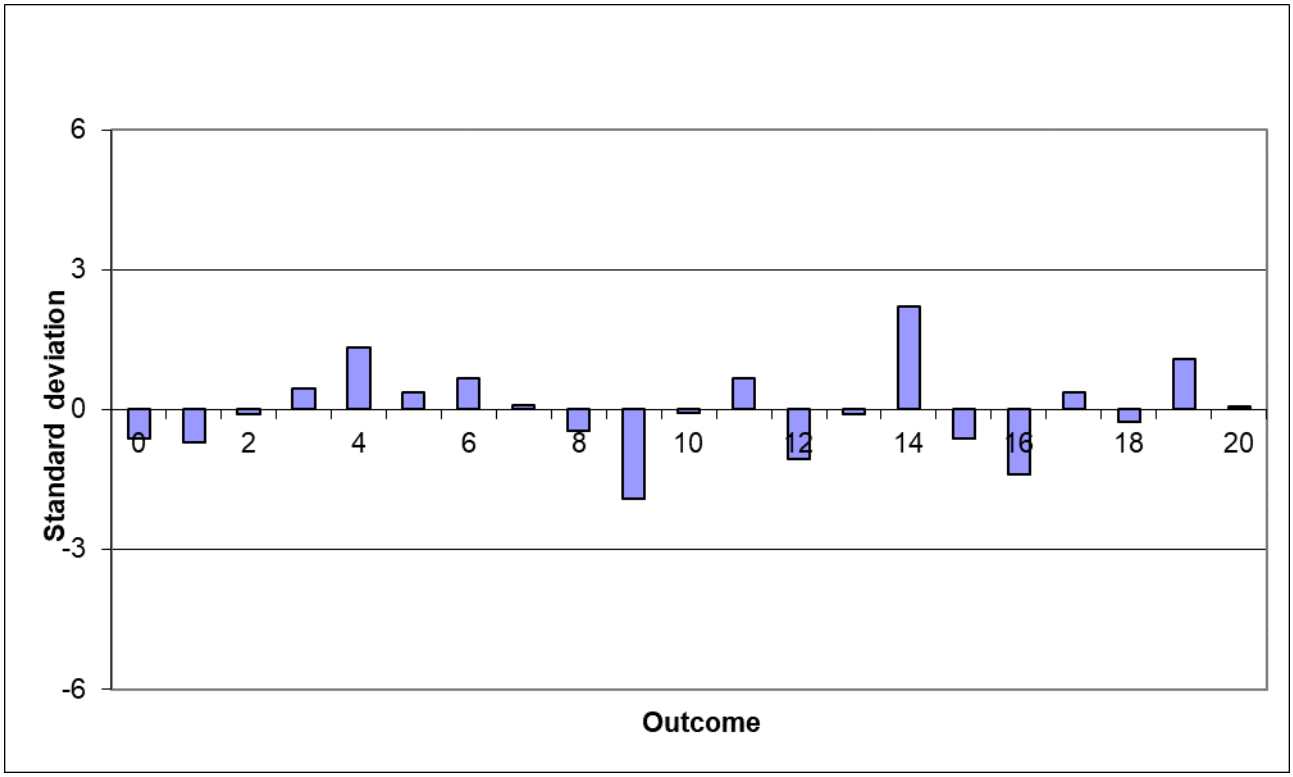
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	10029
Below average:	N2 (-1)	10971
Number of runs:	R	10509

Limits	**1,96**
E(R)	10479,87
σ(R)	72,31
z	0,40

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	981	0,3610	PASS	-0,6157	0	975	0,6227	PASS	-0,8086
1	978	0,4840	PASS	-0,7129	1	1006	0,0366	PASS	0,1960
2	997	0,0090	PASS	-0,0972	2	1038	1,4477	PASS	1,2329
3	1014	0,1960	PASS	0,4537	3	983	0,2874	PASS	-0,5493
4	1041	1,6810	PASS	1,3286	4	1016	0,2575	PASS	0,5200
5	1011	0,1210	PASS	0,3564	5	958	1,7601	PASS	-1,3594
6	1021	0,4410	PASS	0,6805	6	1037	1,3726	PASS	1,2005
7	1003	0,0090	PASS	0,0972	7	949	2,5963	PASS	-1,6511

8	986	0,1960	PASS	-0,4537	8	1030	0,9029	PASS	0,9737
9	941	3,4810	PASS	-1,9118	9	996	0,0156	PASS	-0,1281
10	998	0,0040	PASS	-0,0648	10	1008	0,0648	PASS	0,2608
11	1021	0,4410	PASS	0,6805	11	982	0,3223	PASS	-0,5817
12	967	1,0890	PASS	-1,0693	12	1033	1,0922	PASS	1,0709
13	997	0,0090	PASS	-0,0972	13	1002	0,0042	PASS	0,0664
14	1068	4,6240	PASS	2,2035	14	981	0,3592	PASS	-0,6141
15	981	0,3610	PASS	-0,6157	15	1009	0,0819	PASS	0,2932
16	957	1,8490	PASS	-1,3934	16	1028	0,7867	PASS	0,9089
17	1011	0,1210	PASS	0,3564	17	1002	0,0042	PASS	0,0664
18	992	0,0640	PASS	-0,2592	18	974	0,6736	PASS	-0,8410
19	1033	1,0890	PASS	1,0693	19	1007	0,0497	PASS	0,2284
20	1002	0,0040	PASS	0,0648	20	985	0,2236	PASS	-0,4845



3.13 Draw for game Crash (0 - 99)

NOTE: results scaled for RNG analysis (not possible to analyse full results set).

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	3	σ

	min	max
Direct outcomes:	-2,606	2,352
Differential outcomes:	-2,701	2,225

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	95	%

Limits:

Degrees of freedom	**DF =**	99		
χ - max	**α/2 =**	0,025	**128,422**	97,50%
χ - min	**1 – α/2 =**	0,975	**73,361**	2,50%

χ2 :	**121,414**	93,74%
χ2 (w):	**104,332**	66,26%

RUNS TEST

Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	95	%

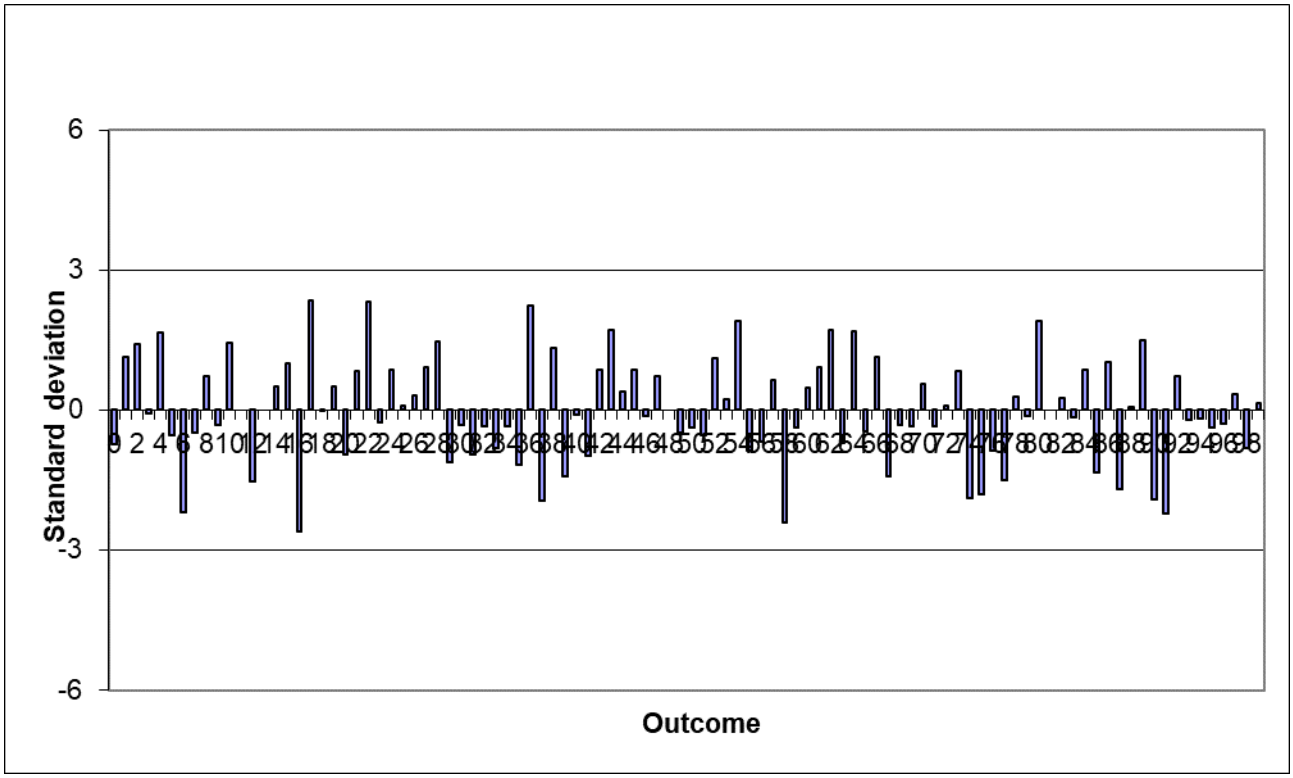
Above average:	N1 (1)	49818
Below average:	N2 (-1)	50182
Number of runs:	R	49866

Limits	**1,96**
E(R)	50000,34
σ(R)	158,11
z	-0,85

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	977	0,5290	PASS	-0,7310	0	1020	0,4004	PASS	0,6360
1	1036	1,2960	PASS	1,1442	1	964	1,2953	PASS	-1,1438
2	1044	1,9360	PASS	1,3984	2	977	0,5285	PASS	-0,7307
3	998	0,0040	PASS	-0,0636	3	999	0,0010	PASS	-0,0315
4	1052	2,7040	PASS	1,6527	4	981	0,3606	PASS	-0,6035
5	983	0,2890	PASS	-0,5403	5	1005	0,0251	PASS	0,1592
6	931	4,7610	PASS	-2,1930	6	1030	0,9006	PASS	0,9538

7	985	0,2250	PASS	-0,4767	7	1039	1,5218	PASS	1,2398
8	1023	0,5290	PASS	0,7310	8	1000	0,0000	PASS	0,0003
9	990	0,1000	PASS	-0,3178	9	1015	0,2253	PASS	0,4771
10	1045	2,0250	PASS	1,4302	10	1004	0,0161	PASS	0,1274
11	1000	0,0000	PASS	0,0000	11	981	0,3606	PASS	-0,6035
12	952	2,3040	PASS	-1,5255	12	1002	0,0040	PASS	0,0639
13	1000	0,0000	PASS	0,0000	13	980	0,3996	PASS	-0,6353
14	1016	0,2560	PASS	0,5085	14	1050	2,5010	PASS	1,5894
15	1031	0,9610	PASS	0,9852	15	986	0,1957	PASS	-0,4446
16	918	6,7240	PASS	-2,6061	16	940	3,5988	PASS	-1,9066
17	1074	5,4760	PASS	2,3519	17	1009	0,0812	PASS	0,2864
18	999	0,0010	PASS	-0,0318	18	1038	1,4448	PASS	1,2080
19	1016	0,2560	PASS	0,5085	19	1012	0,1442	PASS	0,3817
20	970	0,9000	PASS	-0,9535	20	1029	0,8416	PASS	0,9220
21	1026	0,6760	PASS	0,8263	21	1004	0,0161	PASS	0,1274
22	1073	5,3290	PASS	2,3201	22	1018	0,3244	PASS	0,5724
23	992	0,0640	PASS	-0,2543	23	979	0,4406	PASS	-0,6671
24	1027	0,7290	PASS	0,8581	24	992	0,0638	PASS	-0,2539
25	1003	0,0090	PASS	0,0953	25	1058	3,3652	PASS	1,8437
26	1010	0,1000	PASS	0,3178	26	1013	0,1693	PASS	0,4135
27	1029	0,8410	PASS	0,9217	27	1055	3,0261	PASS	1,7483
28	1046	2,1160	PASS	1,4620	28	992	0,0638	PASS	-0,2539
29	965	1,2250	PASS	-1,1124	29	964	1,2953	PASS	-1,1438
30	990	0,1000	PASS	-0,3178	30	982	0,3236	PASS	-0,5718
31	970	0,9000	PASS	-0,9535	31	983	0,2887	PASS	-0,5400
32	989	0,1210	PASS	-0,3496	32	971	0,8404	PASS	-0,9214
33	974	0,6760	PASS	-0,8263	33	989	0,1208	PASS	-0,3493
34	989	0,1210	PASS	-0,3496	34	1035	1,2257	PASS	1,1127
35	963	1,3690	PASS	-1,1759	35	1031	0,9616	PASS	0,9856
36	1070	4,9000	PASS	2,2247	36	1005	0,0251	PASS	0,1592
37	939	3,7210	PASS	-1,9387	37	1004	0,0161	PASS	0,1274
38	1042	1,7640	PASS	1,3348	38	982	0,3236	PASS	-0,5718
39	955	2,0250	PASS	-1,4302	39	992	0,0638	PASS	-0,2539
40	997	0,0090	PASS	-0,0953	40	986	0,1957	PASS	-0,4446
41	969	0,9610	PASS	-0,9852	41	1044	1,9369	PASS	1,3987
42	1027	0,7290	PASS	0,8581	42	976	0,5755	PASS	-0,7625
43	1054	2,9160	PASS	1,7162	43	962	1,4433	PASS	-1,2074
44	1012	0,1440	PASS	0,3814	44	930	4,8986	PASS	-2,2244
45	1027	0,7290	PASS	0,8581	45	1010	0,1002	PASS	0,3181
46	996	0,0160	PASS	-0,1271	46	1016	0,2563	PASS	0,5088
47	1023	0,5290	PASS	0,7310	47	995	0,0249	PASS	-0,1586
48	1000	0,0000	PASS	0,0000	48	987	0,1687	PASS	-0,4129
49	985	0,2250	PASS	-0,4767	49	1070	4,9014	PASS	2,2251
50	988	0,1440	PASS	-0,3814	50	943	3,2479	PASS	-1,8113
51	983	0,2890	PASS	-0,5403	51	1010	0,1002	PASS	0,3181
52	1035	1,2250	PASS	1,1124	52	964	1,2953	PASS	-1,1438
53	1007	0,0490	PASS	0,2225	53	1006	0,0361	PASS	0,1910
54	1060	3,6000	PASS	1,9069	54	1006	0,0361	PASS	0,1910
55	973	0,7290	PASS	-0,8581	55	1046	2,1169	PASS	1,4623
56	979	0,4410	PASS	-0,6674	56	1011	0,1212	PASS	0,3499
57	1020	0,4000	PASS	0,6356	57	995	0,0249	PASS	-0,1586
58	924	5,7760	PASS	-2,4154	58	1026	0,6765	PASS	0,8267
59	988	0,1440	PASS	-0,3814	59	1009	0,0812	PASS	0,2864

60	1015	0,2250	PASS	0,4767	60	1054	2,9171	PASS	1,7166
61	1029	0,8410	PASS	0,9217	61	948	2,7030	PASS	-1,6524
62	1054	2,9160	PASS	1,7162	62	977	0,5285	PASS	-0,7307
63	978	0,4840	PASS	-0,6992	63	999	0,0010	PASS	-0,0315
64	1053	2,8090	PASS	1,6845	64	956	1,9351	PASS	-1,3981
65	986	0,1960	PASS	-0,4449	65	938	3,8428	PASS	-1,9702
66	1036	1,2960	PASS	1,1442	66	953	2,2081	PASS	-1,4934
67	955	2,0250	PASS	-1,4302	67	989	0,1208	PASS	-0,3493
68	990	0,1000	PASS	-0,3178	68	999	0,0010	PASS	-0,0315
69	989	0,1210	PASS	-0,3496	69	959	1,6802	PASS	-1,3028
70	1018	0,3240	PASS	0,5721	70	1009	0,0812	PASS	0,2864
71	989	0,1210	PASS	-0,3496	71	977	0,5285	PASS	-0,7307
72	1003	0,0090	PASS	0,0953	72	948	2,7030	PASS	-1,6524
73	1026	0,6760	PASS	0,8263	73	1044	1,9369	PASS	1,3987
74	941	3,4810	PASS	-1,8751	74	1026	0,6765	PASS	0,8267
75	943	3,2490	PASS	-1,8116	75	1068	4,6254	PASS	2,1615
76	973	0,7290	PASS	-0,8581	76	1011	0,1212	PASS	0,3499
77	953	2,2090	PASS	-1,4938	77	1053	2,8101	PASS	1,6848
78	1009	0,0810	PASS	0,2860	78	1004	0,0161	PASS	0,1274
79	996	0,0160	PASS	-0,1271	79	945	3,0239	PASS	-1,7477
80	1060	3,6000	PASS	1,9069	80	973	0,7285	PASS	-0,8578
81	1000	0,0000	PASS	0,0000	81	1001	0,0010	PASS	0,0321
82	1008	0,0640	PASS	0,2543	82	1024	0,5765	PASS	0,7631
83	995	0,0250	PASS	-0,1589	83	1065	4,2263	PASS	2,0662
84	1027	0,7290	PASS	0,8581	84	1031	0,9616	PASS	0,9856
85	958	1,7640	PASS	-1,3348	85	915	7,2234	PASS	-2,7012
86	1032	1,0240	PASS	1,0170	86	1037	1,3698	PASS	1,1763
87	947	2,8090	PASS	-1,6845	87	1000	0,0000	PASS	0,0003
88	1002	0,0040	PASS	0,0636	88	1003	0,0091	PASS	0,0957
89	1047	2,2090	PASS	1,4938	89	1010	0,1002	PASS	0,3181
90	940	3,6000	PASS	-1,9069	90	962	1,4433	PASS	-1,2074
91	930	4,9000	PASS	-2,2247	91	993	0,0489	PASS	-0,2222
92	1023	0,5290	PASS	0,7310	92	949	2,6000	PASS	-1,6206
93	993	0,0490	PASS	-0,2225	93	1010	0,1002	PASS	0,3181
94	994	0,0360	PASS	-0,1907	94	999	0,0010	PASS	-0,0315
95	988	0,1440	PASS	-0,3814	95	1011	0,1212	PASS	0,3499
96	991	0,0810	PASS	-0,2860	96	990	0,0998	PASS	-0,3175
97	1011	0,1210	PASS	0,3496	97	1042	1,7649	PASS	1,3352
98	974	0,6760	PASS	-0,8263	98	1021	0,4414	PASS	0,6677
99	1005	0,0250	PASS	0,1589	99	1004	0,0161	PASS	0,1274



3.14 Draw for game Limbo (0 - 99)

NOTE: results scaled for RNG analysis (not possible to analyse full results set).

FREQUENCY TEST (SIGMA TEST)

Direct outcomes:	PASS	Differential outcomes:	PASS

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-2,320	2,225
Differential outcomes:	-2,892	2,893

CHI-SQUARE TEST

Direct outcomes:	PASS	Differential outcomes:	PASS

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	99		
χ - max	**α/2 =**	0,025	**128,422**	97,50%
χ - min	**1 – α/2 =**	0,975	**73,361**	2,50%
χ2 :		**94,474**		39,01%
χ2 (w):		**128,312**		97,46%

RUNS TEST

Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

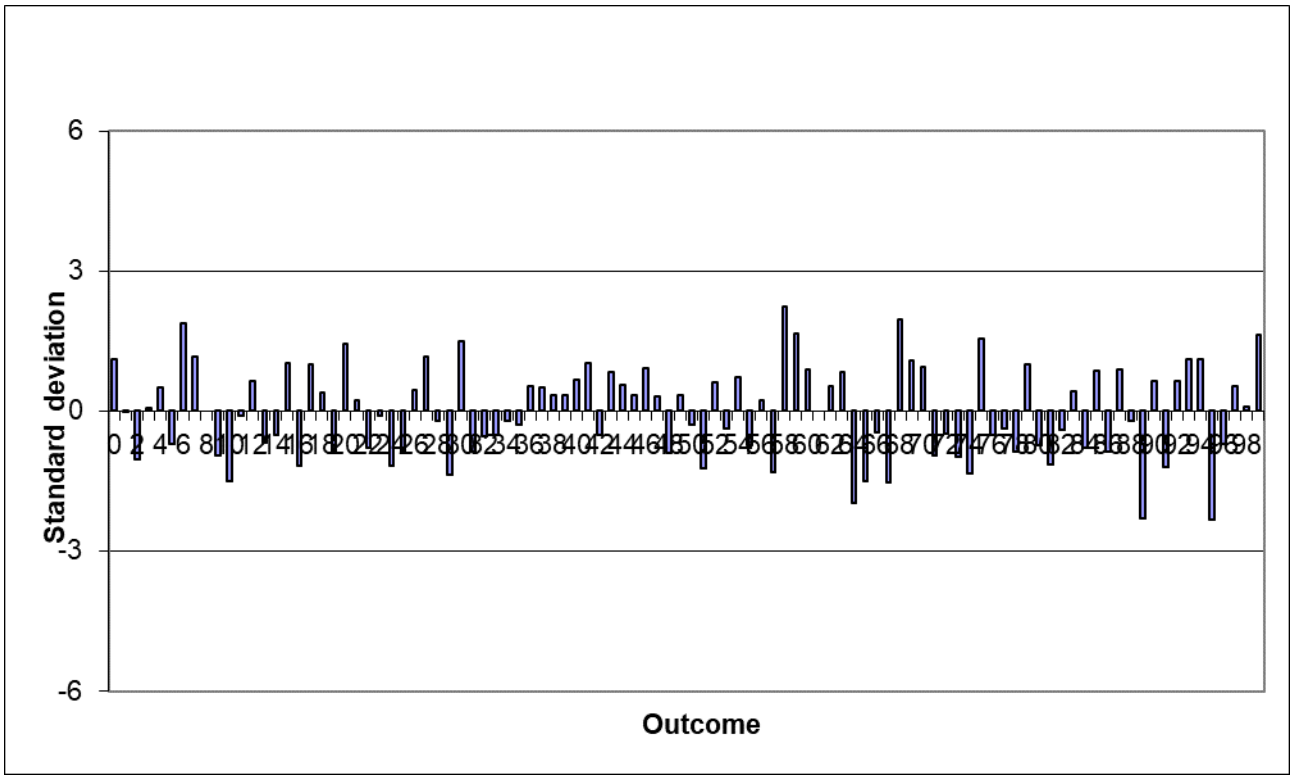
Above average:	N1 (1)	49893
Below average:	N2 (-1)	50107
Number of runs:	R	50168

Limits	**1,96**
E(R)	50000,77
σ(R)	158,11
z	1,06

Direct outcomes					Differential outcomes				
x_i	***k_i***	***χ2***	***3σ***	***s_i***	***w_i***	***k(w_i)***	***χ2***	***3σ***	***s_i***
0	1035	1,2250	PASS	1,1124	0	1062	3,8453	PASS	1,9708
1	999	0,0010	PASS	-0,0318	1	922	6,0825	PASS	-2,4787
2	967	1,0890	PASS	-1,0488	2	988	0,1438	PASS	-0,3811
3	1002	0,0040	PASS	0,0636	3	1022	0,4844	PASS	0,6995
4	1016	0,2560	PASS	0,5085	4	1010	0,1002	PASS	0,3181
5	978	0,4840	PASS	-0,6992	5	995	0,0249	PASS	-0,1586
6	1059	3,4810	PASS	1,8751	6	1048	2,3050	PASS	1,5259
7	1037	1,3690	PASS	1,1759	7	971	0,8404	PASS	-0,9214
8	1000	0,0000	PASS	0,0000	8	1033	1,0897	PASS	1,0491
9	970	0,9000	PASS	-0,9535	9	1051	2,6020	PASS	1,6212
10	953	2,2090	PASS	-1,4938	10	1002	0,0040	PASS	0,0639
11	997	0,0090	PASS	-0,0953	11	940	3,5988	PASS	-1,9066
12	1020	0,4000	PASS	0,6356	12	978	0,4836	PASS	-0,6989
13	979	0,4410	PASS	-0,6674	13	1037	1,3698	PASS	1,1763
14	984	0,2560	PASS	-0,5085	14	981	0,3606	PASS	-0,6035
15	1032	1,0240	PASS	1,0170	15	943	3,2479	PASS	-1,8113
16	963	1,3690	PASS	-1,1759	16	994	0,0359	PASS	-0,1904
17	1031	0,9610	PASS	0,9852	17	977	0,5285	PASS	-0,7307
18	1012	0,1440	PASS	0,3814	18	941	3,4799	PASS	-1,8748
19	972	0,7840	PASS	-0,8899	19	1068	4,6254	PASS	2,1615
20	1045	2,0250	PASS	1,4302	20	1035	1,2257	PASS	1,1127
21	1007	0,0490	PASS	0,2225	21	1001	0,0010	PASS	0,0321
22	975	0,6250	PASS	-0,7946	22	993	0,0489	PASS	-0,2222
23	997	0,0090	PASS	-0,0953	23	980	0,3996	PASS	-0,6353
24	963	1,3690	PASS	-1,1759	24	988	0,1438	PASS	-0,3811
25	973	0,7290	PASS	-0,8581	25	933	4,4877	PASS	-2,1291
26	1014	0,1960	PASS	0,4449	26	1012	0,1442	PASS	0,3817
27	1037	1,3690	PASS	1,1759	27	992	0,0638	PASS	-0,2539
28	993	0,0490	PASS	-0,2225	28	1028	0,7846	PASS	0,8902
29	957	1,8490	PASS	-1,3666	29	1005	0,0251	PASS	0,1592
30	1047	2,2090	PASS	1,4938	30	1007	0,0491	PASS	0,2228
31	973	0,7290	PASS	-0,8581	31	1025	0,6255	PASS	0,7949
32	983	0,2890	PASS	-0,5403	32	1091	8,2829	PASS	2,8925
33	984	0,2560	PASS	-0,5085	33	952	2,3031	PASS	-1,5252
34	993	0,0490	PASS	-0,2225	34	962	1,4433	PASS	-1,2074
35	991	0,0810	PASS	-0,2860	35	999	0,0010	PASS	-0,0315

36	1017	0,2890	PASS	0,5403	36	1017	0,2893	PASS	0,5406
37	1016	0,2560	PASS	0,5085	37	1017	0,2893	PASS	0,5406
38	1011	0,1210	PASS	0,3496	38	1016	0,2563	PASS	0,5088
39	1011	0,1210	PASS	0,3496	39	1006	0,0361	PASS	0,1910
40	1021	0,4410	PASS	0,6674	40	1037	1,3698	PASS	1,1763
41	1032	1,0240	PASS	1,0170	41	969	0,9604	PASS	-0,9849
42	984	0,2560	PASS	-0,5085	42	1003	0,0091	PASS	0,0957
43	1026	0,6760	PASS	0,8263	43	1021	0,4414	PASS	0,6677
44	1018	0,3240	PASS	0,5721	44	1006	0,0361	PASS	0,1910
45	1011	0,1210	PASS	0,3496	45	1034	1,1567	PASS	1,0809
46	1029	0,8410	PASS	0,9217	46	964	1,2953	PASS	-1,1438
47	1010	0,1000	PASS	0,3178	47	957	1,8482	PASS	-1,3663
48	972	0,7840	PASS	-0,8899	48	974	0,6755	PASS	-0,8260
49	1011	0,1210	PASS	0,3496	49	1007	0,0491	PASS	0,2228
50	991	0,0810	PASS	-0,2860	50	935	4,2237	PASS	-2,0655
51	961	1,5210	PASS	-1,2395	51	1033	1,0897	PASS	1,0491
52	1019	0,3610	PASS	0,6039	52	979	0,4406	PASS	-0,6671
53	988	0,1440	PASS	-0,3814	53	981	0,3606	PASS	-0,6035
54	1023	0,5290	PASS	0,7310	54	976	0,5755	PASS	-0,7625
55	977	0,5290	PASS	-0,7310	55	1002	0,0040	PASS	0,0639
56	1007	0,0490	PASS	0,2225	56	1031	0,9616	PASS	0,9856
57	959	1,6810	PASS	-1,3031	57	1021	0,4414	PASS	0,6677
58	1070	4,9000	PASS	2,2247	58	1012	0,1442	PASS	0,3817
59	1052	2,7040	PASS	1,6527	59	953	2,2081	PASS	-1,4934
60	1028	0,7840	PASS	0,8899	60	1012	0,1442	PASS	0,3817
61	1000	0,0000	PASS	0,0000	61	1065	4,2263	PASS	2,0662
62	1017	0,2890	PASS	0,5403	62	974	0,6755	PASS	-0,8260
63	1026	0,6760	PASS	0,8263	63	1009	0,0812	PASS	0,2864
64	938	3,8440	PASS	-1,9705	64	1030	0,9006	PASS	0,9538
65	953	2,2090	PASS	-1,4938	65	965	1,2243	PASS	-1,1121
66	986	0,1960	PASS	-0,4449	66	1008	0,0642	PASS	0,2546
67	952	2,3040	PASS	-1,5255	67	990	0,0998	PASS	-0,3175
68	1062	3,8440	PASS	1,9705	68	909	8,2793	PASS	-2,8919
69	1034	1,1560	PASS	1,0806	69	1037	1,3698	PASS	1,1763
70	1030	0,9000	PASS	0,9535	70	946	2,9149	PASS	-1,7159
71	970	0,9000	PASS	-0,9535	71	965	1,2243	PASS	-1,1121
72	985	0,2250	PASS	-0,4767	72	1030	0,9006	PASS	0,9538
73	969	0,9610	PASS	-0,9852	73	1060	3,6012	PASS	1,9073
74	958	1,7640	PASS	-1,3348	74	1002	0,0040	PASS	0,0639
75	1049	2,4010	PASS	1,5573	75	1046	2,1169	PASS	1,4623
76	984	0,2560	PASS	-0,5085	76	1009	0,0812	PASS	0,2864
77	988	0,1440	PASS	-0,3814	77	995	0,0249	PASS	-0,1586
78	973	0,7290	PASS	-0,8581	78	985	0,2247	PASS	-0,4764
79	1031	0,9610	PASS	0,9852	79	1011	0,1212	PASS	0,3499
80	977	0,5290	PASS	-0,7310	80	1011	0,1212	PASS	0,3499
81	964	1,2960	PASS	-1,1442	81	1009	0,0812	PASS	0,2864
82	987	0,1690	PASS	-0,4132	82	980	0,3996	PASS	-0,6353
83	1013	0,1690	PASS	0,4132	83	1060	3,6012	PASS	1,9073
84	975	0,6250	PASS	-0,7946	84	1014	0,1963	PASS	0,4453
85	1027	0,7290	PASS	0,8581	85	1028	0,7846	PASS	0,8902
86	973	0,7290	PASS	-0,8581	86	985	0,2247	PASS	-0,4764
87	1028	0,7840	PASS	0,8899	87	982	0,3236	PASS	-0,5718
88	993	0,0490	PASS	-0,2225	88	966	1,1553	PASS	-1,0803

89	928	5,1840	PASS	-2,2883	89	1015	0,2253	PASS	0,4771
90	1020	0,4000	PASS	0,6356	90	970	0,8994	PASS	-0,9531
91	962	1,4440	PASS	-1,2077	91	920	6,3985	PASS	-2,5423
92	1020	0,4000	PASS	0,6356	92	1053	2,8101	PASS	1,6848
93	1035	1,2250	PASS	1,1124	93	1009	0,0812	PASS	0,2864
94	1035	1,2250	PASS	1,1124	94	969	0,9604	PASS	-0,9849
95	927	5,3290	PASS	-2,3201	95	990	0,0998	PASS	-0,3175
96	978	0,4840	PASS	-0,6992	96	1084	7,0578	PASS	2,6700
97	1017	0,2890	PASS	0,5403	97	988	0,1438	PASS	-0,3811
98	1003	0,0090	PASS	0,0953	98	997	0,0089	PASS	-0,0950
99	1051	2,6010	PASS	1,6209	99	1004	0,0161	PASS	0,1274



3.15 Draw for game Furywild (0 - 21)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-2,557	2,136
Differential outcomes:	-1,973	1,393

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	21		
χ - max	**α/2 =**	0,025	**35,479**	97,50%
χ - min	**1 – α/2 =**	0,975	**10,283**	2,50%
χ2 :		**26,072**		79,63%
χ2 (w):		**17,520**		32,08%

RUNS TEST

Direct outcomes: **PASS**

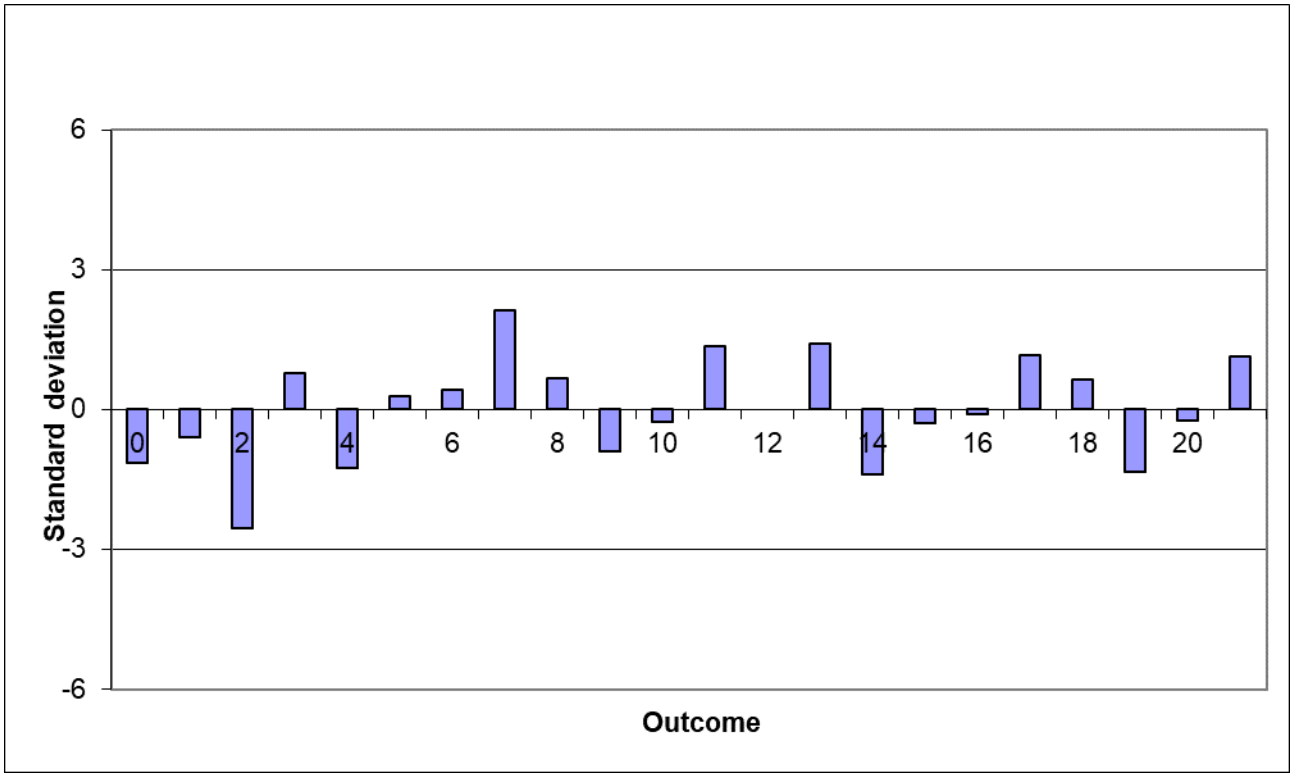
Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	11074
Below average:	N2 (-1)	10926
Number of runs:	R	11014

Limits	**1,96**
E(R)	11000,50
σ(R)	74,16
z	0,18

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	965	1,2250	PASS	-1,1328	0	1008	0,0647	PASS	0,2604
1	982	0,3240	PASS	-0,5826	1	951	2,3967	PASS	-1,5845
2	921	6,2410	PASS	-2,5570	2	963	1,3657	PASS	-1,1961
3	1024	0,5760	PASS	0,7768	3	992	0,0633	PASS	-0,2575
4	961	1,5210	PASS	-1,2623	4	990	0,0991	PASS	-0,3222
5	1009	0,0810	PASS	0,2913	5	998	0,0038	PASS	-0,0633
6	1013	0,1690	PASS	0,4208	6	1033	1,0921	PASS	1,0696
7	1066	4,3560	PASS	2,1362	7	1031	0,9639	PASS	1,0049

8	1021	0,4410	PASS	0,6797	8	939	3,7156	PASS	-1,9730
9	972	0,7840	PASS	-0,9063	9	1006	0,0365	PASS	0,1957
10	992	0,0640	PASS	-0,2589	10	1019	0,3627	PASS	0,6165
11	1042	1,7640	PASS	1,3594	11	966	1,1530	PASS	-1,0990
12	1000	0,0000	PASS	0,0000	12	1014	0,1973	PASS	0,4546
13	1044	1,9360	PASS	1,4241	13	987	0,1678	PASS	-0,4193
14	957	1,8490	PASS	-1,3918	14	1043	1,8530	PASS	1,3933
15	991	0,0810	PASS	-0,2913	15	995	0,0245	PASS	-0,1604
16	997	0,0090	PASS	-0,0971	16	1028	0,7866	PASS	0,9078
17	1036	1,2960	PASS	1,1652	17	960	1,5964	PASS	-1,2932
18	1020	0,4000	PASS	0,6473	18	1023	0,5311	PASS	0,7459
19	959	1,6810	PASS	-1,3270	19	1026	0,6784	PASS	0,8430
20	993	0,0490	PASS	-0,2266	20	1014	0,1973	PASS	0,4546
21	1035	1,2250	PASS	1,1328	21	1013	0,1702	PASS	0,4223



3.16 Draw for game Tower (0 - 4)

FREQUENCY TEST (SIGMA TEST)

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set allowable limit in std. deviations:	**3**	**σ**

	min	max
Direct outcomes:	-0,813	1,697
Differential outcomes:	-1,690	0,997

CHI-SQUARE TEST

Direct outcomes: **PASS** Differential outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Limits:

Degrees of freedom	**DF =**	4		
χ - max	**α/2 =**	0,025	**11,143**	97,50%
χ - min	**1 – α/2 =**	0,975	**0,484**	2,50%

χ2 :	**3,082**	45,58%
χ2 (w):	**4,190**	61,91%

RUNS TEST

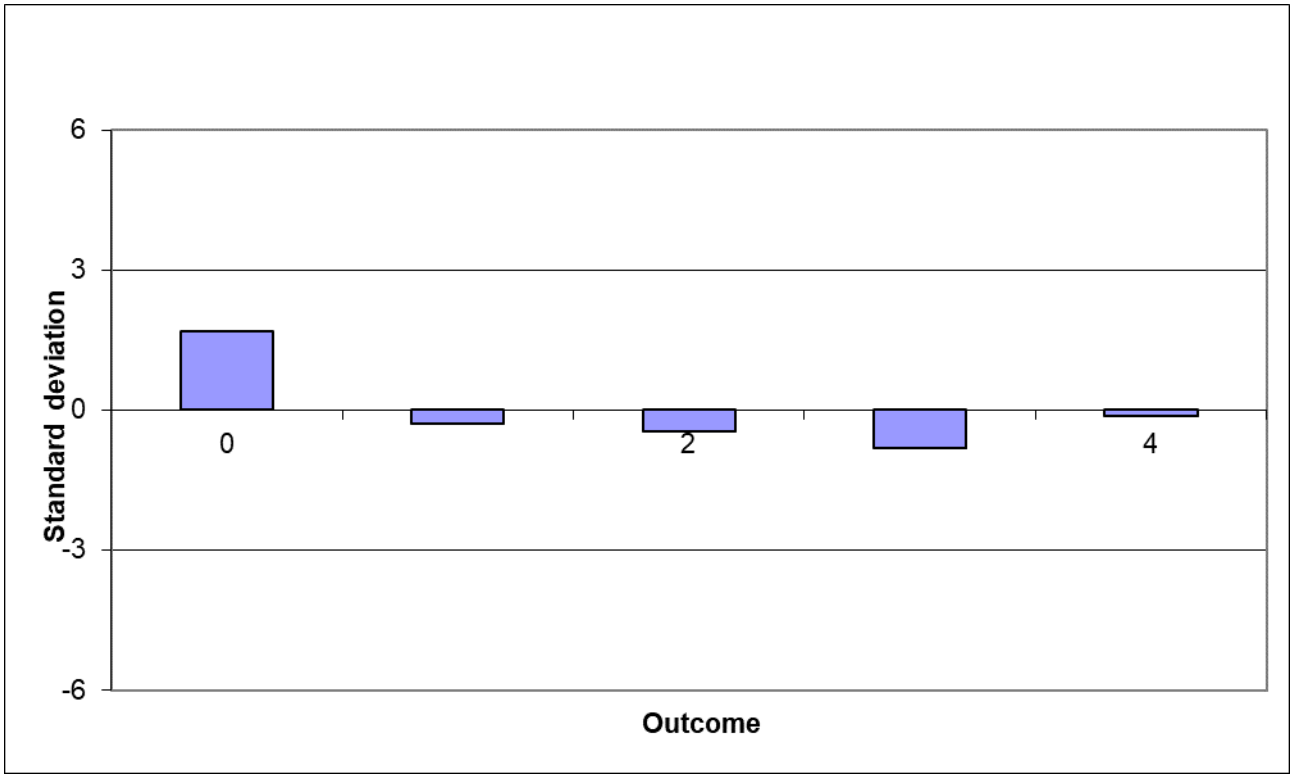
Direct outcomes: **PASS**

Set confidence level (CL = 1 - α):	**95**	**%**

Above average:	N1 (1)	2960
Below average:	N2 (-1)	2040
Number of runs:	R	2394

Limits	**1,96**
E(R)	2416,36
σ(R)	34,15
z	-0,65

Direct outcomes					Differential outcomes				
x_i	***k_i***	**χ2**	**3σ**	***s_i***	***w_i***	***k(w_i)***	**χ2**	**3σ**	***s_i***
0	1048	2,3040	PASS	1,6971	0	1028	0,7954	PASS	0,9971
1	992	0,0640	PASS	-0,2828	1	1022	0,4929	PASS	0,7850
2	987	0,1690	PASS	-0,4596	2	952	2,2853	PASS	-1,6902
3	977	0,5290	PASS	-0,8132	3	981	0,3535	PASS	-0,6647
4	996	0,0160	PASS	-0,1414	4	1016	0,2625	PASS	0,5728


6
3
0
-3
-6
Standard deviation
0
2
4
Outcome

4 Test summary

4.1 Draw for game Plinko (0 - 1)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.2 Draw for game Dice (0 - 99)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.3 Draw for game Coinflip (0 - 1)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.4 Draw for game Hilo (0 - 51)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.5 Draw for game Circle (0 - 54)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.6 Draw for game Ring

4.6.1 Draw for game Ring (0 - 9)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.6.2 Draw for game Ring (0 - 19)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.6.3 Draw for game Ring (0 - 29)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.6.4 Draw for game Ring (0 - 39)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.6.5 Draw for game Ring (0 - 49)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.7 Draw for game Triple (0 - 35)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.8 Draw for game Keno (1 - 40)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.9 Draw for game Cryptos (0 - 7)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.10 Draw for game Mines (0 - 25)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.11 Draw for game Space Dice (0 - 999)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.12 Draw for game Stairs (0 - 20)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.13 Draw for game Crash (0 - 99)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.14 Draw for game Limbo (0 - 99)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.15 Draw for game Furywild (0 - 21)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

4.16 Draw for game Tower (0 - 4)

Randomness tests	Verdict
Frequency test	PASS
Chi-square test	PASS
Serial correlation test	PASS
Runs test	PASS

Test Report Annex: Software analysis

Test report No.:
T-J0068-I0003
Checklist references:
T-J0068-I0003-WN404.xls
Test report references (if applicable):
N.A.
Internal procedure and issue:
WN204, 07 / 2019-01
Remarks:
N.A.
Date annex completed:
2022-12-06
Tested by [signature]:
Digitally signed by Gregor Zakrajšek DN: dc=si, dc=siq, ou=Domain Users, ou=SIQ_Igralnistvo, cn=Gregor Zakrajšek, email=gregor.zakrajsek@siq.si Date: 2022.12.06 15:15:37 +01'00' Gregor Zakrajšek

1 Software identification

Software version(s): 1.1 (SIQ ver.)

Software components:

Manufacturer, product ID	Description, function	Media, type	Position, circuit	Size	ID code (SHA1)	ID code (MD5)
app.js	RNG JavaScript file	N.A.	\	0,91 KB	fc6008ebf556b953c52fa1ae4c42bb39646fd8d4	74ff9580fa9336d28e41d2c191ef5d2d
docker-compose-local.yml	RNG JavaScript file	N.A.	\	145 bytes	8d92ac92bf80a35d0ccad5679c9e1c6e1c35a0ce	e8a23d52c922fc6d80af4f3acbd57ddc
getRandom.js	RNG JavaScript file	N.A.	\	3,07 KB	43dfc7916efe25453a9cfb3914d69cdebd420c95	0a316ac024a8c9f086921cfc602df020
base-game.helper.js	RNG JavaScript file	N.A.	helpers\	1,58 KB	cb6cc728768a1c31d206de841b8b6eb32b288a69	7c450005f497c362adbe969ee5896e74
package.json	RNG JavaScript file	N.A.	\	402 bytes	6159cb427de8565bcfa73687b4e5b229fab03753	3f76f334f1d0db91803c3c94b89dcf21
config.js	RNG JavaScript file	N.A.	RandomGenerator\	2,88 KB	b93b62e1aff49d10aefd78cc307257271c1496df	99a840d9c1558379abfb6578d6932a7a
index.js	RNG JavaScript file	N.A.	RandomGenerator\	1,16 KB	09e4d4a0ce6fd38c1bd622b50bbc642ecc267969	7ea37769d6df4098cf20dc14bb0a2ea3
Crash.js	RNG JavaScript file	N.A.	RandomGenerator\	1,17 KB	a6457459eaf563a8d64ce80ae9e70172f0ba9711	27285f1f3649abd8ceeb79976829518f
Cryptos.js	RNG JavaScript file	N.A.	RandomGenerator\	644 bytes	fd1136d1ce5d0646f3bb02523ae4bd342711723d	198a93313f00251de2efff9ca376a3ae
FuryWild.js	RNG JavaScript file	N.A.	RandomGenerator\	1,66 KB	0e0647aba7f461469803cc042d6844069d2f20ed	1480d32789a7ce2d76193788750ac968
Limbo.js	RNG JavaScript file	N.A.	RandomGenerator\	2,48 KB	502ab0ec317683afdb1499b47c40e6beb66689ea	1c497edb642662484f527510628df07b
Logic.js	RNG JavaScript file	N.A.	RandomGenerator\	8,32 KB	9db788be7f2b7be7d2ea80d89ebe8240e00fa210	76c0dc97771331dd024b7a75d5f86e28

Manufacturer, product ID	Description, function	Media, type	Position, circuit	Size	ID code (SHA1)	ID code (MD5)
Ring.js	RNG JavaScript file	N.A.	RandomGenerator\	546 bytes	4661dffbd281f4fee62b3b7c0d452ffcb7909c99	7f9e2fb8964ccc593c0ed78bc940766b
SpaceDice.js	RNG JavaScript file	N.A.	RandomGenerator\	583 bytes	6e28460ebbd800b234e1e72b82d7fd8f90ffd28e	1b69d5ef21cfab64884b3902c780d0e5
Stairs.js	RNG JavaScript file	N.A.	RandomGenerator\	0,83 KB	70234869771a16f0ef77ad042d27753516e94b7f	6b227e894a48aeb5fd340b4ebedc9c9e
Tower.js	RNG JavaScript file	N.A.	RandomGenerator\	1,22 KB	19f5d85da733ea9785a9dcfb48bc0f78b2004c42	9fc9edd25131f5f4019a6c6aceff39fd
Triple.js	RNG JavaScript file	N.A.	RandomGenerator\	1,65 KB	a01120fc938758687170def26580903e71c74bd2	aa8121eceec55b7b0e25777577050ac6

2 Test summary

Software analysis for the RNG was performed:

- Source code analysis:
  - Jurisdiction independent tests: software review.
- Binary code authentication.
- Archiving and depositing.