REWARD System – For Even Money Bet in Roulette
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By even money betting we mean betting on Red or Black, High or Low, Even or Odd, because they pay 1 to 1. With the exception of the green zeros, those areas cover half the numbers. The probability of their occurrence is nearly 50%, almost like flipping a coin. On the long run, we can expect half of all bets being Red, Black, High, Low, Even or Odd. But this means over millions of spins.

We are not interested in playing so many spins. If we do, with flat bets, the casino will win 5.26% of everything you have wagered because of the zeros, that are to come once every 19 spins in average in American double zero wheel and once every 37 spins in average in European single zero wheel.

What we are interested in is making profits betting on even betting areas, over a certain period of time. There have been numerous systems designed so far for even areas, such as the double up Martingale system, the D'Alembert system, LaBouchere, Oscar's grind, etc., which work for a while, then wipe out your bankroll, the moment they fail, eliminating all the profits you have made so far.

If they were no table limits, even the most classic system, such as Martingale would beat the casino. You start by placing one unit on the table. If you lose, you double your bet. If you lose again, you double again, until finally you win and profit one unit. Some people bet on a certain colour, say on Red. Let's say you keep betting on Red, and Black comes up for 9 times in a row, before Red finally hits. You would be placing 1 + 2 + 4 + 8 + 16 + 32 + 64 + 128 + 256 + 512 = 1023 chips on the table to win 1 unit profit. If your unit value is $10, would you risk $10,230 to profit only $10? What if Black comes up 14 or 18 times before Red shows up. Calculate how much you need to put on the table for just 1 chip gain. Nevertheless if the table had absolutely no limits, you would win your chip even if you have to invest $50,000 for it.

But the table does have limits, and this is what makes most systems fail, except for the one you are about to read.

First of all, it is important to observe patterns of even money areas, rather than betting on one color. For the sake of this document, I will refer only to color bets, i.e. Red and Black, although the system can be applied to all even money bet areas, such as High/Low and Even/Odd. What do we mean with patterns? Red and Black may come up in an alternating manner, such as one Red, one Black, one Red, one Black, etc. We'll call that a zig-zag pattern. Sometimes, they chop with a double appearance, that is, two Reds, two Blacks, one Red, two Blacks, etc. We'll refer to this as a quasi zig-zag pattern. And sometimes, you have longer streaks of either Reds or Blacks. We'll call this a string pattern or a streak of a specific color.

One more feature that we need to observe is the frequency of the variation of those patterns, that is, how often does a zig-zag pattern switch to a quasi zig-zag or to a string pattern and vice versa. Do zig-zag patterns follow each other? Do we have long streaks of Reds followed by long streaks of Blacks?

Those are important questions for this system, not only for the system to be successful, but also to avoid reaching table limits. As I said before, even a Martingale can be successful, particularly if it is used cautiously. What do we mean to use it cautiously? We could use it, for instance, not to exceed 5 steps. A 5 step Martingale progression would be 1, 2, 4, 8, 16 units. With $10 chips, it would be $10, $20, $40, $80, $160. With $50 chips, it would be $50, $100, $200, $400 and $800, etc.

I find it much more effective to bet on a color that repeats, following the last decision, rather than on one specific one. This has many advantages. First of all, if you get a streak of a specific color, and you will many times, you win spin after spin. If you get a quasi zig-zag pattern, you will win every time the color repeats. Just observe Roulette scoreboards, you will be amazed about the number of times a color repeats. And when it goes zig-zag, it doesn't last too long, maybe 6-7 times tops until there is a repeat in between or the whole pattern turns into long streaks.

The systems described in this document will all be based on repeating colors or even money bet areas. It will be very rewarding. That's where the name of the system comes from and think of the word REWARD as an acronym meaning: Repeating Even Win A Red Double.

If we were to bet on a color that just came up, we would be betting on a repeat color. That means if Black came up, our next bet is placed on Black. If Red came up, we place our next bet on Red, etc. If a zero comes up, then we place our bet on the last color that was there before the zero. You would be very successful if you were to limit Martingale to 4 or maximum 5 steps and would bet on a repeating color after you have observed one or a sequence of zig-zags and then bet following the color that just came up, catching streaks of Reds or Blacks.

You need not really wait too long, before this opportunity shows up. You can be sitting at a table, where you could see scoreboards of other tables and it is very easy to see, that a table is choppy where Reds and Blacks alternate very often. Also, it is easy to see long streaks of Reds and Blacks. If you don't want to move around you can track other even areas at the same table by observing patterns of Evens/Odds, or Lows/Highs.

In summary, if you wait for a zig-zag pattern of any even money betting area until a repeat that marks the end of the zig-zag and apply a 4-5 step Martingale, you can be sure of winning 5-10 bets in a row.

Table 1 below will illustrate this. The column **Count Losses** will count the number of times the color alternates before it wins. As long as this count is less or equal to 5, the runs ends with a unit profit according to 5 step Martingale. The column End of Lost Run will turn to an "E", when the 5 step Martingale fails and we lose 31 units (the sum of 1,2,4,8,16).

Table 1:

Seq #	Number	Red / Black	W/L	Count Losses	Units Won/lost	End of lost run	Net Units
1	27	R		0			
2	35	B	L	1	0		0
3	23	R	L	2	0		0
4	33	B	L	3	0		0
5	26	B	W	0	1		1
6	23	R	L	1	0		1
7	31	B	L	2	0		1
8	3	R	L	3	0		1
9	33	B	L	4	0		1
10	22	B	W	0	1		2
11	18	R	L	1	0		2
12	35	B	L	2	0		2
13	15	B	W	0	1		3
14	26	B	W	0	1		4
15	11	B	W	0	1		5
16	23	R	L	1	0		5
17	18	R	W	0	1		6
18	9	R	W	0	1		7
19	7	R	W	0	1		8
20	12	R	W	0	1		9
21	34	R	W	0	1		10
22	7	R	W	0	1		11
23	22	B	L	1	0		11
24	14	R	L	2	0		11
25	29	B	L	3	0		11
26	14	R	L	4	0		11
27	18	R	W	0	1		12
28	10	B	L	1	0		12
29	30	R	L	2	0		12
30	14	R	W	0	1		13
31	19	R	W	0	1		14
32	5	R	W	0	1		15
33	16	R	W	0	1		16

34	25	R	W	0	1		17
35	33	B	L	1	0		17
36	12	R	L	2	0		17
37	23	R	W	0	1		18
38	19	R	W	0	1		19
39	35	B	L	1	0		19
40	5	R	L	2	0		19
41	31	B	L	3	0		19
42	4	B	W	0	1		20
43	35	B	W	0	1		21
44	0	G	L	1	0		21
45	21	R	L	2	0		21
46	16	R	W	0	1		22
47	9	R	W	0	1		23
48	32	R	W	0	1		24
49	21	R	W	0	1		25
50	24	B	L	1	0		25
51	2	B	W	0	1		26
52	3	R	L	1	0		26
53	17	B	L	2	0		26
54	33	B	W	0	1		27
55	26	B	W	0	1		28
56	22	B	W	0	1		29
57	16	R	L	1	0		29
58	28	B	L	2	0		29
59	23	R	L	3	0		29
60	7	R	W	0	1		30
61	4	B	L	1	0		30
62	12	R	L	2	0		30
63	11	B	L	3	0		30
64	3	R	L	4	0		30
65	17	B	L	5	-32	E	-2
66	27	R	L	1	0		-2
67	24	B	L	2	0		-2
68	2	B	W	0	1		-1
69	26	B	W	0	1		0
70	19	R	L	1	0		0
71	18	R	W	0	1		1
72	3	R	W	0	1		2
73	26	B	L	1	0		2
74	35	B	W	0	1		3
75	8	B	W	0	1		4
76	20	B	W	0	1		5
77	13	B	W	0	1		6
78	28	B	W	0	1		7
79	13	B	W	0	1		8
80	13	B	W	0	1		9

81	1	R	L	1	0		9
82	4	B	L	2	0		9
83	00	G	L	3	0		9
84	17	B	W	0	1		10
85	22	B	W	0	1		11
86	23	R	L	1	0		11
87	9	R	W	0	1		12
88	16	R	W	0	1		13
89	15	B	L	1	0		13
90	10	B	W	0	1		14
91	13	B	W	0	1		15
92	25	R	L	1	0		15
93	31	B	L	2	0		15
94	34	R	L	3	0		15
95	28	B	L	4	0		15
96	20	B	W	0	1		16
97	00	G	L	1	0		16
98	11	B	W	0	1		17
99	6	B	W	0	1		18
100	19	R	L	1	0		18
101	36	R	W	0	1		19
102	32	R	W	0	1		20
103	12	R	W	0	1		21
104	00	G	L	1	0		21
105	21	R	W	0	1		22
106	28	B	L	1	0		22
107	1	R	L	2	0		22
108	24	B	L	3	0		22
109	20	B	W	0	1		23
110	2	B	W	0	1		24
111	30	R	L	1	0		24
112	3	R	W	0	1		25
113	21	R	W	0	1		26
114	00	G	L	1	0		26
115	5	R	W	0	1		27
116	33	B	L	1	0		27
117	6	B	W	0	1		28
118	13	B	W	0	1		29
119	7	R	L	1	0		29
120	3	R	W	0	1		30
121	29	B	L	1	0		30
122	10	B	W	0	1		31
123	14	R	L	1	0		31
124	2	B	L	2	0		31
125	11	B	W	0	1		32
126	0	G	L	1	0		32
127	21	R	L	2	0		32

128	22	B	L	3	0		32
129	31	B	W	0	1		33
130	14	R	L	1	0		33
131	10	B	L	2	0		33
132	12	R	L	3	0		33
133	8	B	L	4	0		33
134	28	B	W	0	1		34
135	26	B	W	0	1		35
136	30	R	L	1	0		35
137	11	B	L	2	0		35
138	6	B	W	0	1		36
139	35	B	W	0	1		37
140	16	R	L	1	0		37
141	27	R	W	0	1		38
142	2	B	L	1	0		38
143	15	B	W	0	1		39
144	12	R	L	1	0		39
145	00	G	L	2	0		39
146	25	R	W	0	1		40
147	1	R	W	0	1		41
148	32	R	W	0	1		42
149	5	R	W	0	1		43
150	24	B	L	1	0		43
151	4	B	W	0	1		44
152	28	B	W	0	1		45
153	28	B	W	0	1		46
154	2	B	W	0	1		47
155	12	R	L	1	0		47
156	15	B	L	2	0		47
157	14	R	L	3	0		47
158	35	B	L	4	0		47
159	4	B	W	0	1		48
160	18	R	L	1	0		48
161	32	R	W	0	1		49
162	31	B	L	1	0		49
163	19	R	L	2	0		49
164	24	B	L	3	0		49
165	31	B	W	0	1		50
166	26	B	W	0	1		51
167	9	R	L	1	0		51
168	30	R	W	0	1		52
169	19	R	W	0	1		53
170	32	R	W	0	1		54
171	5	R	W	0	1		55
172	17	B	L	1	0		55
173	36	R	L	2	0		55
174	35	B	L	3	0		55

175	34	R	L	4	0			55
176	20	B	L	5	-32	E		23
177	4	B	W	0	1			24
178	11	B	W	0	1			25
179	13	B	W	0	1			26
180	12	R	L	1	0			26
181	16	R	W	0	1			27
182	31	B	L	1	0			27
183	31	B	W	0	1			28
184	27	R	L	1	0			28
185	7	R	W	0	1			29
186	12	R	W	0	1			30
187	29	B	L	1	0			30
188	5	R	L	2	0			30
189	8	B	L	3	0			30
190	31	B	W	0	1			31
191	00	G	L	1	0			31
192	4	B	W	0	1			32
193	22	B	W	0	1			33
194	0	G	L	1	0			33
195	16	R	L	2	0			33
196	2	B	L	3	0			33
197	13	B	W	0	1			34
198	24	B	W	0	1			35
199	1	R	L	1	0			35
200	21	R	W	0	1			36

We are always betting on the color that just came up. If the last decision is a Black, we bet on Black. If the last decision is a Red we bet on Red. If the last decision is Green (a zero), then we bet on the color that came up before the zero, or zeros. All this with a 5 step Martingale progression of 1, 2, 4, 8, 16 units.

In sequence 1, we come to the Roulette table and see that the last decision was a Red. We bet 1 unit on Red, we lose. We bet 2 units on Black, we lose. We bet 4 units on Red, we lose. We bet 8 units on Black we win. Our profit is 1 unit registered in the column **Net Units**.

We seem to be doing fine with this 5 step Martingale for 60 spins, having gained 30 unit profit, until suddenly we lose more than 5 times in a row, resulting a loss of 31 units (the table shows 32, let's just not forget to tip the croupier after winning 60 spins!). All our profit so far is lost in one run.

Say, we were patiently waiting for 5-6 such zig-zags before we start betting. And after it happens in sequences 60-68, we go for a 5 step Martingale. Then we limit the number of runs to say not more than 10. This will tremendously increase our chances to come out a winner, as we control our greed and do not play continuously until the Martingale fails, making us lose the hard earned 31 units, 1

unit at a time.

That means in sequence 84, we stop, having won 10 runs.

In sequence 176, we observe another failure of the 5 step Martingale. Fortunately we were not betting then. We start betting right after the failure is over, after the very first win. So we start betting on a repeat color in sequence 178. We play 10 runs, win 10 more units and we quit in sequence 193.

This system works pretty much OK, as long as you don't get caught in a series of zig-zags, particularly when they come back to back.

That's why we need a system that is better than a 5 step Martingale, so we can ensure a winning run even if it lasts more than 5 spins, even if we lose more than 5 times in a row.

In fact, the system we will witness now will always end with a run that wins, even if we have lost 8 or 10 times in a row. It will be enough to have wins that are equal to the number of losses plus 3 divided by 3. The mathematical formula is:

$$W = (L + 3)/3$$

Where **W** is the number of wins and
L is the number of losses.

In short, we will need to win a lot less times than losing in order to close the run. According to this formula, if we lose 12 times, we need to win only 5 times to close the run, as 5 = (12 + 3)/3 or 15/3.

If we lose 9 times, we only need to win 4 times to close the run.
If we have 3 losses, we need to win only twice.

In other words, we now have the advantage. It is no longer 50-50 for Blacks or Reds. We need to win a lot less than we lose, to close the loop.

How de we achieve this?

We will see exactly how it works after the following simulation in Table 2. We will still be betting on the same color that just came up. The table will count the number of wins (column **Count Wins**) and the number of losses (column **Count Losses)**. The moment the number of wins equals the number of losses plus 3 divided by 3, it will indicate the end of the winning run. The system will always result in winning runs.

The column **End of Run** indicates the end of the winning run now, as opposed to Martingale's losing run.

Also, please note that winning the first bet is the end of the winning run and we start a new one.

We don't count the losing sessions, simply because there will be none. (Surprised? Just wait and see).

Table 2:

Seq #	Number	Red / Black	W/L	Count Wins	Count Losses	End of Run	Count Winning Sessions
1	10	B		0	0		0
2	6	B	W	1	0	E	1
3	33	B	W	1	0	E	2
4	31	B	W	1	0	E	3
5	24	B	W	1	0	E	4
6	5	R	L	0	1		4
7	27	R	W	1	1		4
8	32	R	W	2	1	E	5
9	4	B	L	0	1		5
10	17	B	W	1	1		5
11	0	G	L	1	2		5
12	29	B	W	2	2	E	6
13	36	R	L	0	1		6
14	19	R	W	1	1		6
15	26	B	L	1	2		6
16	31	B	W	2	2	E	7
17	00	G	L	0	1		7
18	22	B	W	1	1		7
19	10	B	W	2	1	E	8
20	7	R	L	0	1		8
21	0	G	L	0	2		8
22	34	R	W	1	2		8
23	9	R	W	2	2	E	9
24	13	B	L	0	1		9
25	2	B	W	1	1		9
26	7	R	L	1	2		9
27	4	B	L	1	3		9
28	26	B	W	2	3	E	10
29	31	B	W	1	0	E	11
30	16	R	L	0	1		11
31	31	B	L	0	2		11
32	18	R	L	0	3		11
33	9	R	W	1	3		11

34	**28**	**B**	L	1	4		11
35	**31**	**B**	W	2	4		11
36	**27**	**R**	L	2	5		11
37	**32**	**R**	W	3	5	E	12
38	**32**	**R**	W	1	0	E	13
39	**00**	**G**	L	0	1		13
40	**8**	**B**	L	0	2		13
41	**6**	**B**	W	1	2		13
42	**17**	**B**	W	2	2	E	14
43	**30**	**R**	L	0	1		14
44	**33**	**B**	L	0	2		14
45	**6**	**B**	W	1	2		14
46	**27**	**R**	L	1	3		14
47	**8**	**B**	L	1	4		14
48	**16**	**R**	L	1	5		14
49	**4**	**B**	L	1	6		14
50	**20**	**B**	W	2	6		14
51	**00**	**G**	L	2	7		14
52	**21**	**R**	L	2	8		14
53	**27**	**R**	W	3	8		14
54	**17**	**B**	L	3	9		14
55	**36**	**R**	L	3	10		14
56	**7**	**R**	W	4	10		14
57	**29**	**B**	L	4	11		14
58	**18**	**R**	L	4	12		14
59	**32**	**R**	W	5	12	E	15
60	**25**	**R**	W	1	0	E	16
61	**26**	**B**	L	0	1		16
62	**18**	**R**	L	0	2		16
63	**00**	**G**	L	0	3		16
64	**1**	**R**	W	1	3		16
65	**9**	**R**	W	2	3	E	17
66	**24**	**B**	L	0	1		17
67	**5**	**R**	L	0	2		17
68	**17**	**B**	L	0	3		17
69	**6**	**B**	W	1	3		17
70	**00**	**G**	L	1	4		17
71	**9**	**R**	L	1	5		17
72	**3**	**R**	W	2	5		17
73	**16**	**R**	W	3	5	E	18
74	**6**	**B**	L	0	1		18
75	**8**	**B**	W	1	1		18
76	**19**	**R**	L	1	2		18
77	**21**	**R**	W	2	2	E	19
78	**29**	**B**	L	0	1		19
79	**20**	**B**	W	1	1		19
80	**23**	**R**	L	1	2		19

81	23	R	W	2	2	E	20
82	31	B	L	0	1		20
83	22	B	W	1	1		20
84	7	R	L	1	2		20
85	14	R	W	2	2	E	21
86	19	R	W	1	0	E	22
87	12	R	W	1	0	E	23
88	00	G	L	0	1		23
89	33	B	L	0	2		23
90	20	B	W	1	2		23
91	14	R	L	1	3		23
92	34	R	W	2	3	E	24
93	22	B	L	0	1		24
94	3	R	L	0	2		24
95	1	R	W	1	2		24
96	7	R	W	2	2	E	25
97	20	B	L	0	1		25
98	35	B	W	1	1		25
99	19	R	L	1	2		25
100	00	G	L	1	3		25
101	28	B	L	1	4		25
102	26	B	W	2	4		25
103	31	B	W	3	4	E	26
104	29	B	W	1	0	E	27
105	25	R	L	0	1		27
106	8	B	L	0	2		27
107	34	R	L	0	3		27
108	36	R	W	1	3		27
109	34	R	W	2	3	E	28
110	27	R	W	1	0	E	29
111	18	R	W	1	0	E	30
112	22	B	L	0	1		30
113	36	R	L	0	2		30
114	27	R	W	1	2		30
115	00	G	L	1	3		30
116	13	B	L	1	4		30
117	0	G	L	1	5		30
118	19	R	L	1	6		30
119	15	B	L	1	7		30
120	18	R	L	1	8		30
121	16	R	W	2	8		30
122	2	B	L	2	9		30
123	4	B	W	3	9		30
124	26	B	W	4	9	E	31
125	00	G	L	0	1		31
126	36	R	L	0	2		31
127	18	R	W	1	2		31

128	20	B	L	1	3		31
129	8	B	W	2	3	E	32
130	36	R	L	0	1		32
131	34	R	W	1	1		32
132	9	R	W	2	1	E	33
133	1	R	W	1	0	E	34
134	28	B	L	0	1		34
135	00	G	L	0	2		34
136	32	R	L	0	3		34
137	34	R	W	1	3		34
138	0	G	L	1	4		34
139	30	R	W	2	4		34
140	22	B	L	2	5		34
141	12	R	L	2	6		34
142	2	B	L	2	7		34
143	19	R	L	2	8		34
144	27	R	W	3	8		34
145	23	R	W	4	8	E	35
146	0	G	L	0	1		35
147	18	R	W	1	1		35
148	29	B	L	1	2		35
149	16	R	L	1	3		35
150	00	G	L	1	4		35
151	6	B	L	1	5		35
152	21	R	L	1	6		35
153	00	G	L	1	7		35
154	25	R	W	2	7		35
155	27	R	W	3	7		35
156	1	R	W	4	7	E	36
157	21	R	W	1	0	E	37
158	36	R	W	1	0	E	38
159	5	R	W	1	0	E	39
160	1	R	W	1	0	E	40
161	17	B	L	0	1		40
162	9	R	L	0	2		40
163	34	R	W	1	2		40
164	12	R	W	2	2	E	41
165	11	B	L	0	1		41
166	17	B	W	1	1		41
167	31	B	W	2	1	E	42
168	7	R	L	0	1		42
169	26	B	L	0	2		42
170	17	B	W	1	2		42
171	3	R	L	1	3		42
172	9	R	W	2	3	E	43
173	0	G	L	0	1		43
174	15	B	L	0	2		43

175	32	R	L	0	3		43
176	18	R	W	1	3		43
177	12	R	W	2	3	E	44
178	27	R	W	1	0	E	45
179	5	R	W	1	0	E	46
180	28	B	L	0	1		46
181	17	B	W	1	1		46
182	32	R	L	1	2		46
183	35	B	L	1	3		46
184	17	B	W	2	3	E	47
185	35	B	W	1	0	E	48
186	25	R	L	0	1		48
187	23	R	W	1	1		48
188	35	B	L	1	2		48
189	13	B	W	2	2	E	49
190	21	R	L	0	1		49
191	7	R	W	1	1		49
192	6	B	L	1	2		49
193	23	R	L	1	3		49
194	32	R	W	2	3	E	50
195	35	B	L	0	1		50
196	14	R	L	0	2		50
197	21	R	W	1	2		50
198	00	G	L	1	3		50
199	7	R	W	2	3	E	51
200	24	B	L	0	1		51
201	8	B	W	1	1		51
202	0	G	L	1	2		51
203	1	R	L	1	3		51
204	0	G	L	1	4		51
205	8	B	L	1	5		51
206	24	B	W	2	5		51
207	14	R	L	2	6		51
208	6	B	L	2	7		51
209	0	G	L	2	8		51
210	3	R	L	2	9		51
211	34	R	W	3	9		51
212	34	R	W	4	9	E	52
213	10	B	L	0	1		52
214	7	R	L	0	2		52
215	12	R	W	1	2		52
216	17	B	L	1	3		52
217	8	B	W	2	3	E	53
218	6	B	W	1	0	E	54
219	23	R	L	0	1		54
220	00	G	L	0	2		54
221	17	B	L	0	3		54

222	20	B	W	1	3		54
223	16	R	L	1	4		54
224	22	B	L	1	5		54
225	1	R	L	1	6		54
226	19	R	W	2	6		54
227	26	B	L	2	7		54
228	36	R	L	2	8		54
229	7	R	W	3	8		54
230	33	B	L	3	9		54
231	33	B	W	4	9	E	55
232	32	R	L	0	1		55
233	33	B	L	0	2		55
234	23	R	L	0	3		55
235	19	R	W	1	3		55
236	29	B	L	1	4		55
237	26	B	W	2	4		55
238	16	R	L	2	5		55
239	0	G	L	2	6		55
240	19	R	W	3	6	E	56
241	22	B	L	0	1		56
242	4	B	W	1	1		56
243	8	B	W	2	1	E	57
244	35	B	W	1	0	E	58
245	14	R	L	0	1		58
246	34	R	W	1	1		58
247	13	B	L	1	2		58
248	20	B	W	2	2	E	59
249	4	B	W	1	0	E	60
250	30	R	L	0	1		60
251	1	R	W	1	1		60
252	20	B	L	1	2		60
253	18	R	L	1	3		60
254	8	B	L	1	4		60
255	28	B	W	2	4		60
256	17	B	W	3	4	E	61
257	26	B	W	1	0	E	62
258	10	B	W	1	0	E	63
259	3	R	L	0	1		63
260	12	R	W	1	1		63
261	32	R	W	2	1	E	64
262	0	G	L	0	1		64
263	9	R	W	1	1		64
264	24	B	L	1	2		64
265	24	B	W	2	2	E	65
266	17	B	W	1	0	E	66
267	21	R	L	0	1		66
268	9	R	W	1	1		66

269	**29**	**B**	L	1	2		66
270	**26**	**B**	W	2	2	E	67
271	**21**	**R**	L	0	1		67
272	**26**	**B**	L	0	2		67
273	**17**	**B**	W	1	2		67
274	**13**	**B**	W	2	2	E	68
275	**31**	**B**	W	1	0	E	69
276	**1**	**R**	L	0	1		69
277	**5**	**R**	W	1	1		69
278	**18**	**R**	W	2	1	E	70
279	**30**	**R**	W	1	0	E	71
280	**34**	**R**	W	1	0	E	72
281	**27**	**R**	W	1	0	E	73
282	**14**	**R**	W	1	0	E	74
283	**30**	**R**	W	1	0	E	75
284	**22**	**B**	L	0	1		75
285	**4**	**B**	W	1	1		75
286	**34**	**R**	L	1	2		75
287	**6**	**B**	L	1	3		75
288	**6**	**B**	W	2	3	E	76
289	**1**	**R**	L	0	1		76
290	**20**	**B**	L	0	2		76
291	**7**	**R**	L	0	3		76
292	**7**	**R**	W	1	3		76
293	**9**	**R**	W	2	3	E	77
294	**32**	**R**	W	1	0	E	78
295	**00**	**G**	L	0	1		78
296	**14**	**R**	W	1	1		78
297	**31**	**B**	L	1	2		78
298	**16**	**R**	L	1	3		78
299	**10**	**B**	L	1	4		78
300	**14**	**R**	L	1	5		78
301	**10**	**B**	L	1	6		78
302	**15**	**B**	W	2	6		78
303	**31**	**B**	W	3	6	E	79
304	**30**	**R**	L	0	1		79
305	**0**	**G**	L	0	2		79
306	**29**	**B**	L	0	3		79
307	**2**	**B**	W	1	3		79
308	**13**	**B**	W	2	3	E	80
309	**19**	**R**	L	0	1		80
310	**16**	**R**	W	1	1		80
311	**4**	**B**	L	1	2		80
312	**3**	**R**	L	1	3		80
313	**20**	**B**	L	1	4		80
314	**18**	**R**	L	1	5		80
315	**9**	**R**	W	2	5		80

316	2	B	L	2	6		80
317	11	B	W	3	6	E	81
318	20	B	W	1	0	E	82
319	13	B	W	1	0	E	83
320	14	R	L	0	1		83
321	11	B	L	0	2		83
322	6	B	W	1	2		83
323	12	R	L	1	3		83
324	18	R	W	2	3	E	84
325	1	R	W	1	0	E	85
326	35	B	L	0	1		85
327	2	B	W	1	1		85
328	9	R	L	1	2		85
329	34	R	W	2	2	E	86
330	31	B	L	0	1		86
331	20	B	W	1	1		86
332	23	R	L	1	2		86
333	10	B	L	1	3		86
334	24	B	W	2	3	E	87
335	35	B	W	1	0	E	88
336	21	R	L	0	1		88
337	31	B	L	0	2		88
338	20	B	W	1	2		88
339	5	R	L	1	3		88
340	22	B	L	1	4		88
341	16	R	L	1	5		88
342	19	R	W	2	5		88
343	32	R	W	3	5	E	89
344	6	B	L	0	1		89
345	20	B	W	1	1		89
346	00	G	L	1	2		89
347	10	B	W	2	2	E	90
348	32	R	L	0	1		90
349	4	B	L	0	2		90
350	35	B	W	1	2		90
351	7	R	L	1	3		90
352	5	R	W	2	3	E	91
353	0	G	L	0	1		91
354	10	B	L	0	2		91
355	12	R	L	0	3		91
356	29	B	L	0	4		91
357	6	B	W	1	4		91
358	18	R	L	1	5		91
359	30	R	W	2	5		91
360	8	B	L	2	6		91
361	8	B	W	3	6	E	92
362	25	R	L	0	1		92

363	31	B	L	0	2		92
364	2	B	W	1	2		92
365	4	B	W	2	2	E	93
366	7	R	L	0	1		93
367	11	B	L	0	2		93
368	8	B	W	1	2		93
369	4	B	W	2	2	E	94
370	18	R	L	0	1		94
371	2	B	L	0	2		94
372	17	B	W	1	2		94
373	10	B	W	2	2	E	95
374	28	B	W	1	0	E	96
375	19	R	L	0	1		96
376	36	R	W	1	1		96
377	23	R	W	2	1	E	97
378	18	R	W	1	0	E	98
379	20	B	L	0	1		98
380	2	B	W	1	1		98
381	6	B	W	2	1	E	99
382	10	B	W	1	0	E	100
383	24	B	W	1	0	E	101
384	8	B	W	1	0	E	102
385	4	B	W	1	0	E	103
386	13	B	W	1	0	E	104
387	7	R	L	0	1		104
388	7	R	W	1	1		104
389	00	G	L	1	2		104
390	7	R	W	2	2	E	105
391	10	B	L	0	1		105
392	11	B	W	1	1		105
393	0	G	L	1	2		105
394	20	B	W	2	2	E	106
395	8	B	W	1	0	E	107
396	25	R	L	0	1		107
397	14	R	W	1	1		107
398	15	B	L	1	2		107
399	31	B	W	2	2	E	108
400	19	R	L	0	1		108
401	26	B	L	0	2		108
402	2	B	W	1	2		108
403	15	B	W	2	2	E	109
404	14	R	L	0	1		109
405	4	B	L	0	2		109
406	15	B	W	1	2		109
407	14	R	L	1	3		109
408	2	B	L	1	4		109
409	7	R	L	1	5		109

410	**13**	**B**	L	1	6		109
411	**29**	**B**	W	2	6		109
412	**18**	**R**	L	2	7		109
413	**13**	**B**	L	2	8		109
414	**31**	**B**	W	3	8		109
415	**30**	**R**	L	3	9		109
416	**9**	**R**	W	4	9	E	110
417	**18**	**R**	W	1	0	E	111
418	**15**	**B**	L	0	1		111
419	**19**	**R**	L	0	2		111
420	**10**	**B**	L	0	3		111
421	**22**	**B**	W	1	3		111
422	**17**	**B**	W	2	3	E	112
423	**34**	**R**	L	0	1		112
424	**36**	**R**	W	1	1		112
425	**5**	**R**	W	2	1	E	113
426	**18**	**R**	W	1	0	E	114
427	**13**	**B**	L	0	1		114
428	**23**	**R**	L	0	2		114
429	**18**	**R**	W	1	2		114
430	**1**	**R**	W	2	2	E	115
431	**24**	**B**	L	0	1		115
432	**19**	**R**	L	0	2		115
433	**11**	**B**	L	0	3		115
434	**35**	**B**	W	1	3		115
435	**35**	**B**	W	2	3	E	116
436	**29**	**B**	W	1	0	E	117
437	**3**	**R**	L	0	1		117
438	**22**	**B**	L	0	2		117
439	**28**	**B**	W	1	2		117
440	**7**	**R**	L	1	3		117
441	**22**	**B**	L	1	4		117
442	**23**	**R**	L	1	5		117
443	**29**	**B**	L	1	6		117
444	**19**	**R**	L	1	7		117
445	**21**	**R**	W	2	7		117
446	**7**	**R**	W	3	7		117
447	**13**	**B**	L	3	8		117
448	**7**	**R**	L	3	9		117
449	**28**	**B**	L	3	10		117
450	**25**	**R**	L	3	11		117
451	**32**	**R**	W	4	11		117
452	**36**	**R**	W	5	11	E	118
453	**16**	**R**	W	1	0	E	119
454	**16**	**R**	W	1	0	E	120
455	**35**	**B**	L	0	1		120
456	**20**	**B**	W	1	1		120

457	5	R	L	1	2		120
458	29	B	L	1	3		120
459	7	R	L	1	4		120
460	35	B	L	1	5		120
461	20	B	W	2	5		120
462	26	B	W	3	5	E	121
463	16	R	L	0	1		121
464	7	R	W	1	1		121
465	28	B	L	1	2		121
466	1	R	L	1	3		121
467	28	B	L	1	4		121
468	7	R	L	1	5		121
469	11	B	L	1	6		121
470	6	B	W	2	6		121
471	11	B	W	3	6	E	122
472	00	G	L	0	1		122
473	2	B	W	1	1		122
474	27	R	L	1	2		122
475	21	R	W	2	2	E	123
476	26	B	L	0	1		123
477	26	B	W	1	1		123
478	33	B	W	2	1	E	124
479	33	B	W	1	0	E	125
480	3	R	L	0	1		125
481	2	B	L	0	2		125
482	22	B	W	1	2		125
483	10	B	W	2	2	E	126
484	9	R	L	0	1		126
485	29	B	L	0	2		126
486	27	R	L	0	3		126
487	29	B	L	0	4		126
488	17	B	W	1	4		126
489	19	R	L	1	5		126
490	2	B	L	1	6		126
491	7	R	L	1	7		126
492	7	R	W	2	7		126
493	32	R	W	3	7		126
494	26	B	L	3	8		126
495	9	R	L	3	9		126
496	25	R	W	4	9	E	127
497	17	B	L	0	1		127
498	36	R	L	0	2		127
499	32	R	W	1	2		127

So, we played for almost 500 spins and we had no losing runs. And we thought Roulette was unbeatable. What's going on here? Have we discovered something new, or is there any catch? And we still don't know how the system

works and what makes it work. But, patience, by the end of the document everything will be crystal clear, as we will see many examples referring to the simulation in Table 2.

The trick for this system to work as well as it does, is that when we lose, we go one step backwards, and when we win we go 3 steps ahead. This is why the formula $W = (L + 3)/3$ is active. Since it's on this page, look at sequences 484 to 496. The run goes for 13 spins, we lose 9 times and we win 4 and the winning run ends.

I think we waited enough and we deserve an explanation on how and why this system works consistently and never fails.

Please note first that if we were playing the 5 step Martingale, observe that in sequence 115 we lose 6 times in a row, which would result in a 31 unit loss. The same can be said about sequence 148, where Martingale fails again. And in sequences 297, 440, 465, Martingale fails. Failing Martingale 5 times results in –153 units. But in this system such failures never happen. We keep our 127 gained units.

Explanation

I think I kept you enough in suspense, before I reveal this wonderful system. You will find it simple to use after you get the feel of it. It's important to understand it well and practice it with simulated runs.

Referring to Table 2 above, you come to the Roulette table, you see the last decision is a Black, you bet 3 units on Black. Black comes you win, this ends the run. You profit 3 units at every run.
You keep betting on Black again. It wins 4 times in a row. You already have a 12 unit profit.
In sequence 6 a Red shows up, we lose our bet. We write down the 3 units we lose on a betting chart.
In sequence 7, we bet 3 units again on Red (the last decision). Red comes up and we win, but we are even.
In sequence 8, we bet 3 units again on Red. We win. We profit 3 units. This ends this run.

Those were the simple cases.

Let's take a more complex run, that starts in sequence 30 in Table 2, right after the previous run is ended in Sequence 29. This time we'll create a little scheme that will track what we write down and how we bet.

Seq #	Number	Red / Black	W/L	Count Wins	Count Losses	End of Run	Count Winning Sessions
29	31	B	W	1	0	E	11
30	16	R	L	0	1		11
31	31	B	L	0	2		11
32	18	R	L	0	3		11
33	9	R	W	1	3		11
34	28	B	L	1	4		11
35	31	B	W	2	4		11
36	27	R	L	2	5		11
37	32	R	W	3	5	E	12

The first thing we always do, we write down the 3 units we are about to bet.
In sequence 30, we bet 3 units on Black. We lose. We write down the 3 next to
the 3 we had written down.
In sequence 31, we bet 3 units on Red. We lose again. We write down another
3 next to the previous one.
We will be betting those 3 units consistently until we have a first win.
In sequence 32, we bet 3 units on Black. We lose again. We write down another
3 next to the previous three 3's.
In sequence 33, we bet 3 units on Red. This time we win. We cross out the first
3 we have written down. We do this (cross out 1 number) only after the first win.
That leaves us with another three 3's.
After the first win, we start betting on the sum of the 3 numbers we have written
down. In our case we have three 3's, so we bet 9 chips on Red in sequence 34
and we lose. We write down the 9 that we lost next to the numbers we have
written down so far. We should have so far written three 3's and one 9.

So, from now on, that is after we had the first win, the rule is that we write down
the number of chips we lose next to all the numbers we have written and we
always bet on the sum of the three numbers after our first win.

In sequence 34, we bet 9 chips (the sum of the first three 3's written down) on
Red. We lose. We write down the 9 we lost next to the number sequence. We
should have three 3's and two 9's written down.

In sequence 35, we bet 9 chips (the sum of the first three 3's written down) on
Black following the last decision. We win. This is the second win. This time we
cross out all 3 numbers that we have bet on, that gave the sum of 9. We are left
with the two 9's that were written down.

Since we don't have 3 numbers written down, we bet on only the sum of the two
9's, that is 18 chips on Black in sequence 36. Red comes up. We lose. We
write down the lost 18 next to the two 9's.

Our next bet will be the sum of the three numbers written down, that is 9 + 9 + 18 or 36 chips on the last decision, that is on Red. Red comes up, we win, we cross out all 3 numbers that we have bet on. That ends this run and we profit 3 units.

As you can see, every win takes us 3 steps ahead towards our goal of winning the run and every loss is only 1 step backwards. The run ends when there are no more numbers written down, when they are all crossed out.

Let's take another case, one of the worst case scenarios, that of sequences 200-212 in Table 2, where it takes 12 spins to end the run.

Seq #	Number	Red / Black	W/L	Count Wins	Count Losses	End of Run	Tracking Mechanism	
							Bet	Scheme
199	7	R	W	2	3	E	Bet	Scheme
200	24	B	L	0	1		3	3 3
201	8	B	W	1	1		3	~~3~~ 3
202	0	G	L	1	2		3	3 3
203	1	R	L	1	3		6	3 3 6
204	0	G	L	1	4		12	3 3 6 12
205	8	B	L	1	5		12	3 3 6 12 12
206	24	B	W	2	5		12	~~3 3 6~~ 12 12
207	14	R	L	2	6		24	12 12 24
208	6	B	L	2	7		48	12 12 24 48
209	0	G	L	2	8		48	12 12 24 48 48
210	3	R	L	2	9		48	12 12 24 48 48 48
211	34	R	W	3	9		48	~~12 12 24~~ 48 48 48
212	34	R	W	4	9	E	144	~~48 48 48~~

After a run is finished in sequence 199, we start a new run in sequence 200.
First we write down the 3 units as indicated in Scheme column.
We lose our first bet in sequence 200, so we write down another 3 next to the first 3.
We bet 3 chips again on Black in sequence 201. We win. This is the first win, thus this eliminates the first 3 only and we cross it out.
After our first win, we bet the sum of up to three numbers written down. We only have one 3, so bet 3 chips.
We bet on Black. A zero comes up, we lose. We write down the 3 that we lost.
We bet on Black again for the sum of the two 3's, that is 6 chips, since we have only 2 numbers. Red comes up. We lose. We write down the 6 that we lost.
Now the sum of three numbers written down is 12 (3 + 3 + 6). We bet 12 chips on our next bet, we lose, we write down the 12 that we lost and so on.

When we win, we cross out the first three numbers and then bet on the sum of

the first three numbers that are left on the scheme.

Since we are betting on the sum of the first three numbers and we cross them out every time we win, we advance three times faster towards our 3 unit profit destination. That's why this system hardly fails, as even money bets chances are almost 50-50 for wins and losses, but when we win we are ahead three times more than just once.

Another advantage of this system is that every time we lose, we don't have to double up from one loss to another. As a matter of fact, we could lose 12-15 times in a row and all we need to wager is the sum of the first three numbers that are the same, if no win occurs in between.

In the case that we lose 15 times in a row, we need to win only (15+3)/3 = 6 times to end the run, because winning 6 times will eliminate 16 numbers (the first win, only 1 and all the other wins, 3 numbers).

So, no need to be afraid of losing streaks, as the betting amount doesn't change from one loss to another. We could have a 7 zig-zag pattern, that changes later into a streak of repeating colors and we would end the run successfully.

Now, this system postpones the reaching of the table limit tremendously, unlike a Martingale that takes not more than 7-8 losses to reach the table maximum bet limit. If you ever encounter a situation where you need to bet a large sum, it is possible to split your bet into smaller sums, such as one third of them, by simply writing those numbers down next to the previous ones.

For instance, if you need to wager 144 chips and you are reluctant to do so, then split your bet into two numbers of 72 chips, or into 3 numbers of 48 chips, by writing them down and bet on the sum of the first three numbers. This will extend a bit the time of the end of the run, but will avoid reaching the table's maximum limit.

So, when the bets get high, you simply divide them in smaller portions.

Supposing on your betting scheme you have 3 3 3 6 6 6 9 9 9 12 12 12 48 48 48

You bet 9 you win, now you have 6 6 6 9 9 9 12 12 12 48 48 48

You win 3 more bets and now you have 48 48 48. This requires a 144 unit bet.

Instead of placing 144 units on the table, write 18 8 times, so 144 will become 18 18 18 18 18 18 18 18

So your next bet becomes only 54 units instead of 144. Yes, you need to win 3 more bets, but with IBS advantage of needing to win 26% when you are winning

49% on all Player bets, it's a piece of cake. Also, you never exceed table limits this way.

You can of course further divide all the 18's into three 6's and the 6's into three 2's to reduce your bets as much as possible until you reach the level with which you feel comfortable. Every split will extend the time the run will be resolved with a win, but it will come to a resolution.

Another suggestion I can have for you using the split bet technique, is that when you reach a stage that you have to place a high amount, simply split it into multiple sessions with a certain win target.

What I mean is the following: Supposing you need to bet a 48 unit bet and this is what you have in your betting scheme and you don't feel comfortable with that amount, then you can simply divide this into 6 sessions of 8 unit or 8 sessions of 6 unit targets.

What do we mean with target? When you apply REWARD, your initial target is to win that 1 unit or 3 units as documented. This is usually accomplished within 1 to 15 bets. Let's say that this was not accomplished in 15 bets and you reached a stage that you have to bet 48 units. Then simply start 6 new sessions with an 8 unit win target. Since 95% of the runs are won easily, you would be winning those 6 sessions without risking to bet high amounts. This works very well.