



## **Top 3 Free Sports Betting Systems**

*Martingale, Advanced Martingale, Paroli and Parlay*

[hotbetsystems.com](http://hotbetsystems.com)

## Introduction

**Hi Everybody,**

My name is **Mike** and I'm author of the **HBS** website and this is my ebook. This ebook is about progressive betting systems like martingale and parlay. This is ebook about progressive betting in sport, but also can be applied on roulette and other games. If you liked this ebook, visit [my website](#) and [subscribe](#) to receive all other useful stuff by email.

Now you can read about:

1. Maringale Betting System
2. Advanced Martingale Betting System
3. Paroli Parlay Betting System

## Martingale Betting System – Basics

Martingale system is invented in 18 century and it was popular betting strategy in France. Martingale is inferred to whole class of (negative) progression strategies. This system relies on system of stake progression in case of loss. When you lose, you double your stake in order to recover all recent losses. At a first look, this system will actually always be profitable; however it has some major flaws. You cannot increase your stakes to infinite. The stakes growth is exponential with means that grow faster and faster. Suddenly, you're not able to keep up the pace and you bankrupt. **Martingale is very dangerous and risky system and we do not recommend it.**

## Martingale – Analysis

Vast majority of people look at losing streaks as something with low probability. Actually they are very often. Set of bets is raw of independent events, and one event doesn't have influence on another. No matter how many loses did you have in the streak, probability will be the same.

We will assume that you're betting on the outcome of the roulette. Roulette as every casino game has odds adjusted in house's favor. Expected value is negative for you. Let's do this mathematically:

$$\mathbf{odd \times stake < 1/probability^1 \times stake}$$

If you bet on even odd is 2 but possibility is less then 50% (47.37%).

$$\mathbf{2 \times stake < 2.11 \times stake}$$

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<sup>1</sup> Probability is in range from 0 (event will not happen) to 1 (event will happen). Both decimal (ex. 0.43) and percent form (ex. 43%) is used

The “right” odd is 2.11. So, every time you spin you are losing 5% in a long term. The same principle use sports books but the probability of sports outcome is not as exact as probability of roulette outcome.

With these things in mind, expectations are not based on right facts. If we talk about roulette, probability of 6 round losing streak out of 6 spins is 2.12%. But, if you increase number of spins possibility of 6 streak is increased dramatically.

73 rounds – 50.3 % (probability of the 6 streak)

150 rounds – 77.2 %

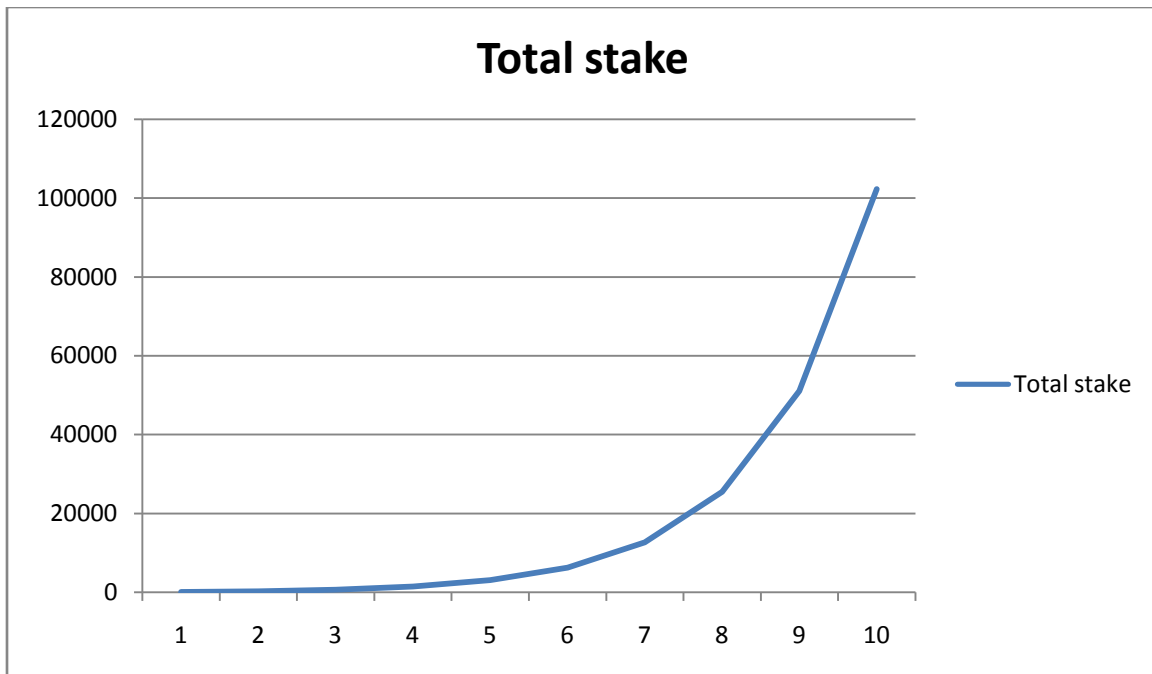
250 rounds – 91 %

As you can see, you will almost for sure have 6 streak in 300 rounds.

The exponential growth of stakes (if we play regular martingale betting system) is really big. We will double stake every time we lose. If you don’t know how fast it is, we will show you.

round	stake	total stake	win	profit
1	100	100	200	100
2	200	300	400	100
3	400	700	800	100
4	800	1500	1600	100
5	1600	3100	3200	100
6	3200	6300	6400	100
7	6400	12700	12800	100
8	12800	25500	25600	100
9	25600	51100	51200	100
10	51200	102300	102400	100

According to the table, to cover 6 rounds you will need 63 times bigger amount of money than initial stake and to cover 10 stake you will need 1023 times bigger amount of money than initial stake. You will actually risk it for small profit of 100 units. Let’s put it on a chart.



If you look at the chart you will see that stakes will grow very fast. You will hardly be able to cover 6-7 rounds.

Again,

*Martingale system is very dangerous. It is not an ultimate strategy. It is mathematically Irrational and economically non profitable betting system.*

## Advanced Martingale Betting System

This text should be add-on to regular plain martingale betting system. We will introduce some new aspects and variables into the equation.

As we know martingale is simple system of stake multiplication in order do cover all recent stakes and to get profits in value of initial stake. This is regular situation. Let's break this apart. Important elements of martingale are initial stake, odd, and something that we will call "multiplier".

The multiplier is the number we use to multiply stakes when we lose. So, the multiplier is number two when we double up on roulette. Logical question will be what will happen when we change that multiplier?

*The answer is: we will change **profitability** of our martingale, and change the **speed of the exponential growth** of our stakes.*

We can actually change the martingale system and chose profitability and speed of stake growth. Let's see some examples.

When we are tossing coin the probability of head is 50%. The right odd will be 2.00. The right odd is an odd without any house profits, it represents possibility:

$$\frac{1}{p} = \text{fair odd}$$

Check out Martingale.xls file from [www.hotbetssystem.com/ebooks](http://www.hotbetssystem.com/ebooks). You can change variables and see the progression mechanics.

With multiplier 2 we will eventually cover all expenses and will have 100 units of profits.

round	stake	total stake	win	profit	profit/total stake ratio
1	100	100	200	100	100.00%
2	200	300	400	100	33.33%
3	400	700	800	100	14.29%
4	800	1500	1600	100	6.67%
5	1600	3100	3200	100	3.23%
6	3200	6300	6400	100	1.59%
7	6400	12700	12800	100	0.79%
8	12800	25500	25600	100	0.39%
9	25600	51100	51200	100	0.20%
10	51200	102300	102400	100	0.10%

What will happen if we change multiplier to 2.10 ?

round	stake	total stake	win	profit	profit/total stake ratio
1	100.00	100.00	200.00	100.00	100.00%
2	210.00	310.00	420.00	110.00	35.48%
3	441.00	751.00	882.00	131.00	17.44%
4	926.10	1677.10	1852.20	175.10	10.44%
5	1944.81	3621.91	3889.62	267.71	7.39%
6	4084.10	7706.01	8168.20	462.19	6.00%
7	8576.61	16282.62	17153.22	870.60	5.35%
8	18010.89	34293.51	36021.77	1728.26	5.04%
9	37822.86	72116.37	75645.72	3529.35	4.89%
10	79428.00	151544.37	158856.01	7311.64	4.82%

We will have profits from martingale that will be 4.82% of total stake in the 10<sup>th</sup> round. But this will also significantly increase stakes (the rise in stakes will be around 50% at 10<sup>th</sup> round).

Now what will happen if the multiplier is lower than 2, for example 1.9?

round	stake	total stake	win	profit	profit/total stake ratio
1	100.00	100.00	200.00	100.00	100.00%
2	190.00	290.00	380.00	90.00	31.03%
3	361.00	651.00	722.00	71.00	10.91%
4	685.90	1336.90	1371.80	34.90	2.61%
5	1303.21	2640.11	2606.42	-33.69	-1.28%
6	2476.10	5116.21	4952.20	-164.01	-3.21%
7	4704.59	9820.80	9409.18	-411.62	-4.19%
8	8938.72	18759.51	17877.43	-882.08	-4.70%
9	16983.56	35743.08	33967.13	-1775.95	-4.97%
10	32268.77	68011.85	64537.54	-3474.31	-5.11%

Well, this will lead to unprofitable martingale because we are not multiplying enough. It will be profitable until the 5<sup>th</sup> round. After that we will bet with high loses.

### Final words

This text is written for you to help you to understand the principle of martingale multiplication. Use our .xls form to check out some multiplier-odd combinations. This is educational purposes only; we do not encourage you to use the martingale betting system.



## Paroli Betting System – Basics

Paroli betting system is often referred as anti martingale because paroli it really is. Idea is to multiply your stake every time you win. If you lose you go back to your initial stake. You can see that this is typical positive progression betting system. The biggest advantage of this system is that you're actually gambling with bookie's money since all bets from winning streak are funded by recent wins.

### Let's do some example.

If your initial stake is 100units, the odd is 2.00 (for an example you're gambling on roulette on red or black)

round	stake	W/L	win
1	100	win	200
2	200	win	400
3	400	win	800
4	800	win	1600

Every time you win you reinvest (more accurate – rebet) the whole win amount. For an example if you win in the first round you stake 200 in second, if you win again you stake 400 in the third round and so on.

Similarly to martingale, here you can see exponential growth but here we are not investing our money. The only investment is the first stake. We are actually betting with bookie's money and we are leveraging our winning streak. According to our example, with just 100 units of stake we can earn 1600 units. Here's formula:

$$\text{odd}^{\text{no of rounds}} * \text{initial stake} = 2.00^4 * 100 = 1600$$

But what will happen if you lose in, let's say, the third round.

round	stake	W/L	win
1	100	win	200
2	200	win	400
3	400	win	800
4	800	lose	-100

You will lose **only** initial stake and possible wins are many times bigger than initial stake. You're risking small amount of money for possibility to win big.

The problem with parole is that we will lose for sure if we keep with multiplying all the time. Here comes the parlay system.

Paroli and Parlay are not mathematically different systems. So I look at them as the same<sup>2</sup>. If you're going for big money you will most probably lose, but there is possibility of big profits if you catch winning streak.

The big contribution to the systems is set of rules that you can establish before starting this system. You should set the "max profits" as the exit strategy.

Ok, let's say that our profit limit is 800 units with initial stake 100 and odd of 2.00. With this system we will bet until we win three times in a row. In that situation we will have 800 units of win or 700 of pure profit. In other situations we will lose only initial stake. Let's do small *case study*.

We have initial stake of 100 units, odd 2.00, we set profit limit of 800 (three rounds in a row). We applied it of 10 rounds with 50% hit rate.

round	stake	W/L	win
1	100	lose	-100
2	200	win	400
3	100	lose	-100
4	100	win	200
5	200	win	400
6	400	win	800
7	100	lose	-100
8	100	lose	-100
9	100	win	200
10	200	lose	-100

We had one three winning streak, which got us 700 units of profit (win 800 – 100 initial stake of the streak). We also had 5 loses which cost us -500. That will be

$$700 \text{ profits} - 500 \text{ stakes} = 200 \text{ units of pure profits}$$

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<sup>2</sup> If you disagree, send us an email about your opinion

50-50 percentage of wins and 2.00 gives us 0% of yield. Actually, when you have 50% possibility of win, your "right odd" is 2.00. In this case you can brake even if you get wining streak in you 10-betting set.

Off course this is gambling, and you can also lose and lose badly.

Here comes the worst scenario for Parlay – Paroli betting system.

round	stake	W/L	win
1	100	lose	-100
2	100	win	200
3	200	lose	-100
4	100	win	200
5	200	lose	-100
6	100	win	200
7	200	lose	-100
8	100	win	200
9	200	lose	-100
10	100	win	200

In this case you will lose - 500 without any profits. The reason is you WL pattern is bad for your strategy.

### Conclusion

Paroli Parlay betting system can be profitable. If you lucky to have bigger number of winning streaks than they are probable. In other words, you will profit if you're lucky enough. These systems are not fixing the odds; they are just putting them in different time frame. The odds are the same, the possibility of streaks is the same and the expected value is the same (mostly negative because of bookie profits).

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