Roulette

Ignore the Wheel Use the Maths

By

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Smashwords Edition

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INTRODUCTION

I don't intend to give methods which guarantee profit,no method can do this. What I will be suggesting is a method - or methods- which take into account the odds on offer, in short, what I consider to be a sensible approach to a difficult problem.

I reject the cynic's "Certainty " that you must lose in The Long Run particularly when they carefully avoid telling us how long their Long Run is In Probability Theory there are only two CERTAINTIES 0% and 100 %,Roulette is neither of these so it is untrue to claim certainty where there is only uncertainty. Despite the cynics claims of certainty the truth is - nobody knows for certain !Just in other areas of gambling. Probability Theory deals with expectations not certainties.

We can speculate that we SHOULD win or lose but only time will tell. No one has INFINITE time so we can only make educated (?) guesses. in the time we have. My SHORT RUN is this week, this month, this year and my LONG RUN Is the rest of my betting life so talk of INFINITY in regard to roulette is utter nonsense. I may lose my betting bank on my next visit to a Casino but ,on the other hand, it may last the rest of my lifetime ! Nobody knows!

Albert Einstein once claimed that " as far as the Laws of Mathematics refer to reality they are not certain "

I propose to start by developing an idea, and hope the viewer will develop his / her own ideas from the basic building block .The view that it cannot be beaten because of the unfavourable odds against winning" in the Long Run " is only from one perspective and there may be others. For example consider the outside even- money bets; High / Low - Odd / Even and Red / Black.Taking any one from each of the 3 groups the odds against all three being correct are 7 / 1 (2 x 2 x 2)

Betting Red Even High

Or Red Even Low

Or Black Odd High

Or Black Odd Low

we can get 8 / 1 if we bet these on the Layout rather than on the outside bets. For example , should we wish to bet Red Even Low we would bet 12 - 14 - 16 - 18 and get 8 /1 for our money should all three of Red Even Low win but only 7 / 1 if we bet them as even-money bets. A definite advantage to the bettor, even where there are two zeros. Certainly these contain only four numbers but if , as we are constantly told each spin is random then this is a " winner " in theory.

But, in practice ?

The argument that a negative expectation bet should not be made is really an argument against ALL kinds of gambling as they all have odds against winning .

The argument that we cannot use previous winning number / s because " the wheel has no memory is untenable .Previous winning numbers can be classed as statistics and no statistic has a memory but are widely used in other situations where uncertainty exists. Mathematicians themselves have shown that there are occasions when a seemingly fifty - fifty bet actually favours one rather than the other. Such a case, not useable in roulette, is the one involving three boxes in a TV show. The contestant has to choose one of three boxes .Two are empty and one has a cash prize. But which one ?

No matter which one he chooses the odds against him choosing correctly are 2 / 1.The Games Show host opens one box which is empty and invites the contestant to change his mind. He declines sensing that since there are only two boxes remaining it is an even - money - Heads / Tails situation. But is it ?

A mathematician would advise him to change his mind because the odds against his original choice was 2 / 1. If an empty box is picked, the remaining empty box will be shown. Opening the original box is more likely to result in a loss, opening the other is more likely to result in a win. So from this case, the contestant has a 2 /3 chance to lose by keeping the same box so should change. So a seemingly 50/50 bet isn't always a 50 / 50 bet. Sometimes it really does depend on what happened before. Which brings me nicely to my illustration of one way we can use previous winning numbers to help predict future winning numbers.

Many years ago, in the UK gamblers bet on a Football "Results " Pool where they had to forecast the results of 12 football matches chosen by the Pool promoters. They had three choices for each. They marked a 1 for a "Home" win. a 2 for an "Away" win and an X for a "draw." The Pools firms often provided "Plans" which helped take some of the frustration out of choosing .One such Plan was known as a Nine Column Block which I have chosen as my illustration.

I merely changed the Xs to 3s They are not the originals but they do fit the bill of guaranteeing 3 in a row if 4 correct.

ROULETTE BETTORS Be Aware,

That Roulette is a form of gambling and all gambling is based on uncertainty so no one can tell with certainty whether you will win or lose.

So those who claim that you are certain to win or those who claim you are certain to lose are talking nonsense.

That each spin of the wheel is Random so no one can tell with certainty what the winning number will be. So those who claim that you must lose are talking nonsense.

That, before making bets in any form of gambling you must be conversant with the rules of the game, the odds against you and the odds on offer.

That, despite what ignorant cynics say, you are as likely to win or lose at roulette as at other forms of gambling.

That, as in other forms of gambling, Bet Selection is what dictates whether you win or lose. Using maths we can make reasonable guesses as to what group of numbers will produce the winning number.

The casino has an Edge of 2.7% but we can create an Edge greater than the casino's Edge. This does not mean that we will definitely win but that we are more likely to win than lose. Many mistakenly believe that the Casino's Edge means that casinos are certain to win. It does not. What it means is that the 2.7% advantage gives the Expectation that they will win. "Expectation" does not mean" Certain" so don't believe the hype.

That, despite the hype, The Long Run is irrelevant in actual play. You will quickly find that no one knows how long their much hyped Long Run is. Don't take my word for it - ask them!

So, think for yourself -learn Probability Theory insofar as it relates to Roulette-and bet with the odds in mind. And the odds don't support increasing stakes. If your idea doesn't work with flat bets then it is unlikely to work with Martingale Laboucheres or other concoctions of the ignorant !

NOTE

The numbers I choose are only for illustration purposes and have no other significance Any two numbers, except zero , will work just as well as those chosen by me.

The Nine Column Blocks

Each block guarantees at least 3 correct in one of its nine lines so assuming no zeros we can use them in Roulette.

1
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
2 3 1 3 1 2 1 2 3
2 3 1 1 2 3 3 1 2
```

2
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
3 1 2 1 2 3 2 3 1
2 3 1 1 2 3 3 1 2
```

3
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
1 2 3 2 3 1 3 1 2
2 3 1 1 2 3 3 1 2
```

4
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
2 3 1 3 1 2 1 2 3
1 2 3 3 1 2 2 3 1
```

5
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
3 1 2 1 2 3 2 3 1
1 2 3 3 1 2 2 3 1
```

6
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
1 2 3 2 3 1 3 1 2
1 2 3 3 1 2 2 3 1
```

7
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
2 3 1 3 1 2 1 2 3
3 1 2 2 3 1 1 2 3
```

8
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
3 1 2 1 2 3 2 3 1
3 1 2 2 3 1 1 2 3
```

9
```
1 1 1 2 2 2 3 3 3
1 2 3 1 2 3 1 2 3
1 2 3 2 3 1 3 1 2
3 1 2 2 3 1 1 2 3
```

We can choose any block but I will choose Block One for illustration. We do not bet the first two spins but use them as "Indicators " for the next two spins. So we are focussed on 4 spin cycles. It is best to start with the basics .So I will start with the first "treble " the 1-2-3 and, to begin with, leave out the fourth spin. This should make understanding easier. I shall start with the Dozens then the Columns and then go on to show how we can use them in actual betting on roulette.

BETTING THE DOZENS

Bet Number 1
Block

1 1 1 2 2 2 3 3 3

1 2 3 1 2 3 1 2 3

2 3 1 3 1 2 1 2 3

Assume the Last Two Numbers were **1** and **3**.These are in DOZENS **1** and **1** SO the 3rd downward number from the line starting with 1 and 1 is the dozen we bet on the next spin. This is **2** so the 2nd dozen is the one we bet on the next spin.

Assume the next winning number to be 22 so we win our bet.

BETTING BANK is now PLUS 2 pts.

DOZENS Bet Number 2
Block

1 **1** 1 2 2 2 3 3 3

1 **2** 3 1 2 3 1 2 3

2 **3** 1 3 1 2 1 2 3

Assume Last Two Numbers were **3** and **22** .These are in DOZENS **1** and **2** SO the 3rd downward number from the line starting with1 and 2 is the dozen we bet on the next spin This is **3** so the 3rd dozen is the one we bet on the next spin. Assume the next winning number is 2 so we lose our bet.

BETTING BANK is now PLUS 1 pt.

DOZENS Bet Number 3
Block

1 1 **1** 2 2 2 3 3 3

1 2 **3** 1 2 3 1 2 3

2 3 **1** 3 1 2 1 2 3

2 3 1 1 2 3 3 1 2

Assume the Last Two Numbers were **3** and **32** .These are in DOZENS **1** and **3** SO the 3rd downward number from the line starting with 1 and 3 is the dozen we bet on the next spin. This is **1** so the 1st dozen is the one we bet on the next spin. The next winning number is 21 so we lose our bet.

BETTING BANK is now Break - Even

DOZENS Bet Number 4
Block

1 1 1 **2** 2 2 3 3 3

1 2 3 **1** 2 3 1 2 3

2 3 1 **3** 1 2 1 2 3

Assume the Last Two Numbers were **22** and **11** These are in DOZENS 2 and SO the 3rd downward number from the line starting with **2** and **1** is the dozen we bet on the next spin. This is **3** so the 3rd dozen is the one we bet on the next spin. The next winning number is 13 so we lose our bet.

BETTING BANK is now Minus 1 pt.

DOZENS Bet Number 5
Block

1 1 1 2 **2** 2 3 3 3

1 2 3 1 **2** 3 1 2 3

2 3 1 3 **1** 2 1 2 3

2 3 1 1 2 3 3 1 2

Assume the Last Two Numbers were **22** and **13** . These are in DOZENS 2and 2 SO the 3rd downward number from the line starting with 2 and 2 is the dozen we bet on the next spin. This is **1** so the 1st dozen is the one we bet on the next spin. The next winning number is 35 so we lose our bet.

BETTING BANK is now Minus 2 chjps

DOZENS Bet Number 6
Block

1 1 1 2 2 **2** 3 3 3

1 2 3 1 2 **3** 1 2 3

2 3 1 3 1 **2** 1 2 3

Assume the Last Two Numbers were **21** and **28**.These are in DOZENS 2 and 3 SO the 3rd downward number from the line starting with 2 and 3 is the dozen we bet on the next spin. This is **2** so the 2nd dozen is the one we bet on the next spin The next winning number is 29 so we lose our bet.

BETTING BANK is now Break-even

DOZENS Bet Number 7
Block

1 1 1 2 2 2 **3** 3 3

1 2 3 1 2 3 **1** 2 3

2 3 1 3 1 2 **1** 2 3

Assume the Last Two Numbers were **25** and **8**. These are in DOZENS 3 and 1 SO the 3rd downward number from the line starting with 3 and 1 is the dozen we bet on the next spin. This is **1** so the 1st dozen is the one we bet on the next spin. The next winning number is 29 so we lose our bet.

BETTING BANK is now minus 1 pt

DOZENS Bet Number 8
Block

1 1 1 2 2 2 3 **3** 3

1 2 3 1 2 3 1 **2** 3

2 3 1 3 1 2 1 **2** 3

Assume the Last Two Numbers were **30** and **14**.These are in DOZENS 3 and 2 SO the 3rd downward number from the line starting with 3 and 2 is the dozen we bet on the next spin.This is **2** so the 2nd dozen is the one we bet on the next spin. The next winning number is 33 so we lose our bet.

BETTING BANK is now Minus 2 pts..

DOZENS Bet Number 9
Block

1 1 1 2 2 2 3 3 **3**

1 2 3 1 2 3 1 2 **3**

2 3 1 3 1 2 1 2 **3**

Assume the Last Two Numbers were **30** and **36** .These are in DOZENS 3 and 3 SO the 3rd downward number from the line starting with 3 and 3 is the dozen we bet on the next spin. This is **3** so the 3rddozen is the one we bet on the next spin. The next winning number is 33 so we win our bet.

BETTING BANK is now Break –even

BETTING ON THE COLUMNS

COLUMNS Bet Number 1
Block

1 1 1 2 2 2 3 3 3

1 2 3 1 2 3 1 2 3

2 3 13 1 2 1 2 3

Assume last two Numbers were **1** and **31**

These are in Columns 1 and 1 So check for the Line in the Block that starts with 1 and 1.This is Line 1 and shows the next number as **2** so Column 2 is the one we bet on the next spin.

RESULT 23 So we have won 2 chips

Betting Bank plus 2pts.

COLUMNS Bet Number 2
Block

1 **1** 1 2 2 2 3 3 3

1 **2** 3 1 2 3 1 2 3

2 **3** 1 3 1 2 1 2 3

Assume last two Numbers were **31** and **23**

These are in Columns **1** and **2** So check for the Line in the Block that starts with 1 and 2.This is Line 2 and shows the next number as **3** so Column 3 is the one we bet on the next spin.

RESULT 2 So we have lost 1 pt

Betting Bank plus1 pt.

COLUMNS Bet Number 3
Block

1 1 **1** 2 2 2 3 3 3

1 2 **3** 1 2 3 1 2 3

2 3 **1** 3 1 2 1 2 3

Assume last two Numbers were **13** and **33**

These are in Columns **1** and **3** So check for the Line in the Block that starts with 1 and 3.This is Line 3 and shows the next number as **1** so Column 1 is the one we bet on the next spin.

RESULT 27 So we have lost 1 pt

Betting Bank Break - Even.

COLUMNS Bet Number 4

Block

1 1 1 **2** 2 2 3 3 3

1 2 3 **1** 2 3 1 2 3

2 3 1 **3** 1 2 1 2 3

Assume last two Numbers were **23** and **7**

These are in Columns 2 and 1 So check for the Line in the Block that starts with 2 and 1.This is Line 4 and shows the next number as **3** so Column 3 is the one we bet on the next spin.

RESULT 2 6 So we have lost 1 pt

Betting Bank minus 1 pt.

COLUMNS Bet Number 5
Block

1 1 1 2 **2** 2 3 3 3

1 2 3 1 **2** 3 1 2 3

2 3 1 3 **1** 2 1 2 3

Assume last two Numbers were **14** and **17**

These are in Columns 2 and 2 So check for the Line in the Block that starts with 2 and 2.This is Line 5 and shows the next number as **1** so Column 3 is the one we bet on the next spin.

RESULT 24 So we have lost 1 pt

Betting Bank minus 2 pts.

COLUMNS Bet Number 6
Block

1 1 1 2 2 **2** 3 3 3

1 2 3 1 2 **3** 1 2 3

2 3 1 3 1 **2** 1 2 3

Assume last two Numbers were **11** and **18**

These are in Columns 2 and 3 So check for the Line in the Block that starts with 2 and 3.This is Line 6 and shows the next number as **2** so Column 2 is the one we bet on the next spin.

RESULT again 24 So we have lost 1 pt

Betting Bank minus 3 pts.

COLUMNS Bet Number 7
Block

1 1 1 2 2 2 **3** 3 3

1 2 3 1 2 3 **1** 2 3

2 3 1 3 1 2 **1** 2 3

Assume last two Numbers were **3** and **31**

These are in Columns 3 and 1 So check for the Line in the Block that starts with 3 and 1.This is Line 7 and shows the next number as **1** so Column 1 is the one we bet on the next spin.

RESULT 25 So we have win 2 pt.

Betting Bank minus 1 pt.

COLUMNS Bet Number 8
Block

1 1 1 2 2 2 3 **3** 3

1 2 3 1 2 3 1 **2** 3

2 3 1 3 1 2 1 **2** 3

Assume last two Numbers were **36** and **5**

These are in Columns 3 and 2 So check for the Line in the Block that starts with 3 and 2.This is Line 8 and shows the next number as **2** so Column 2 is the one we bet on the next spin.

RESULT again 29 So we have win 2 pt

Betting Bank plus 1 pt.

COLUMNS Bet Number 9
Block

1 1 1 2 2 2 3 3 **3**

1 2 3 1 2 3 1 2 **3**

2 3 1 3 1 2 1 2 **3**

Assume last two Numbers were **36** and **24**

These are in Columns 3 and 3 So check for the Line in the Block that starts with 3 and 3 .This is Line 9 and shows the next number as **3** so Column 3 is the one we bet on the next spin.

RESULT again 29 So we have win 2 pt

Betting Bank at Break - Even

Now we go on to combine the Dozens and Columns and note where they coincide, which I call " Coincidentals ". Be careful, though ! The columns do not always give the same results as the dozens.

BETTING ON THE COINCIDENTALS

COINCIDENTALS Bet One

DOZENS	COLUMNS
111222**3**33	111222**3**33
123123**1**23	123123**1**23
231312**1**23	231312**1**23

Assume the first two numbers are 36 and 10

These are in dozens 3 and 1 so look for the line that begins with 3 and 1. This is line 7 and shows the third number is 1 so we bet dozen1 on the next spin

36 and 10 are in columns 3 and 1 so look for the line that begins with 3 and 1 .This is line 7 and shows the third number is 1 so we bet column 1 on the next spin.

Where dozen 1 and column 1 coincide shows the four numbers 1 -4 -7 -10 and these are the four numbers we bet on the next spin.

Assume the winning number is 35 we lose our 4 chips.

BETTING BANK is minus 4 chips

COINCIDENTALS Bet Two

DOZENS	COLUMNS
111**2**2333	111222**3**3
123**2**3123	123123**2**3
2313**1** 2123	231312**2**3

Assume the first two numbers are 18 and 17

These are in dozens 2 and 2 so look for the line that begins with 2 and 2. This is line 5 and shows the third number is 1 so we bet dozen1 on the next spin

18 and 17 are in columns 3 and 2 so look for the line that begins with 3 and 2 .This is line 8 and shows the third number is 2 so we bet column 2 on the next spin.

Where dozen 1 and column 2 coincide shows the four numbers 2-5-8--11 and these are the four numbers we bet on the next spin.

Assume the winning number is 25 we lose our 4 chips.

BETTING BANK is minus 8 chips

COINCIDENTALS. Bet Three

DOZENS	COLUMNS
11**1**222333	111**2**22333
12**3**123123	123**1** 23123
23**1** 312123	231**3**12123

Assume the first two numbers are 8 and 28

These are in dozens 1 and 3 so look for the line thst begins with 1 and 3. This is line 3) and shows the third number is 1 so we bet dozen1 on the next spin

8 and 28 are in columns 2 and 1 so look for the line that begins with 2 and 1.This is line 4 and shows the third number is 3 so we bet column 3 on the next spin.

Where dozen 1 and column 3 coincide shows the four numbers 3 -6 -9 - 12 and these are the four numbers we bet on the next spin.

Assume the winning number is 5 we lose our 4 chips

BETTING BANK is minus 12 chips

COINCIDENTALS. Bet Four

DOZENS	COLUMNS
1 1 1 2 2 **2** 3 3 3	1 1 1 2 2 2 **3** 3 3
1 2 3 1 2 **3** 1 2 3	1 2 3 1 2 3 **1** 2 3
2 3 1 3 1 **2** 1 2 3	2 3 1 3 1 2 **1** 2 3

Assume the first two numbers are 18 and 34

these are in dozens 2 and 3 so look for the line that begins with 2 and 3. This is line 6 and shows the third number is 2 so we bet dozen 2 on the next spin

18 and 34 are in columns 3 and 1 so look for the line that begins with 3 and 1. This is line 7 and shows the third number is 1 so we bet column 1 on the next spin.

Where dozen 2 and column 1 coincide shows the four numbers 13 -16 -19 - 22 and these are the four numbers we bet on the next spin.

Assume the winning number is 35 we lose our 4 chips.

BETTING BANK is minus 16 chips

COINCIDENTALS. Bet Five

DOZENS	COLUMNS
1 1 1 2 2 2 3 3 3	1 1 1 2 2 2 3 **3** 3
1 2 3 1 2 3 1 2 3	1 2 3 1 2 3 1 **2** 3
2 3 1 3 1 2 1 2 3	2 3 1 3 1 2 1 **2** 3

Assume the first two numbers are 9 and 11

These are in dozens 1 and 1 so look for the line that begins with 1 and 1. This is line 1 and shows the third number is 2 so we bet dozen 2 on the next spin

9 and 11 are in columns 3 and 2 so look for the line that begins with 3 and 2 .This is line 8 and shows the third number is 2 so we bet column 2 on the next spin.

Where dozen 2 and column 2 coincide shows the four numbers 14 -17 -20 - 23 and these are the four numbers we bet on the next spin.

Assume the winning number is 3 we lose our 4 chips.

BETTING BANK is minus 20 chips

Assume the first two numbers are 14 and 31

COINCIDENTALS. Bet Six

DOZENS	COLUMNS
1 1 1 2 2 **2** 3 3 3	1 1 1 **2** 2 2 3 3 3
1 2 3 1 2 **3** 1 2 3	1 2 3 **1** 2 3 1 2 3
2 3 1 3 1 **2** 1 2 3	2 3 1 **3** 1 2 1 2 3

These are in dozens 2 and 3 so look for the line thst begins with 2 and 3. This is line 6 and shows the third number is 2 so we bet dozen 2 on the next spin

14 and 31 are in columns 2 and 1 so look for the line that begins with 2 and 1 .This is line 4 and shows the third number is 3 so we bet column 3 on the next spin.

Where dozen 2 and column 3 coincide shows the four numbers 15 1-8 -21- 24 and these are the four numbers we bet on the next spin.

Assume the winning number is 23 we lose our 4 chips.

BETTING BANK is minus 24 chips

COINCIDENTALS. Bet Seven

DOZENS	COLUMNS
1 1 1 2 2 2 3 3 **3**	1 1 **1** 2 2 2 3 3 3
1 2 3 1 2 3 1 2 **3**	1 2 **3** 1 2 3 1 2 3
2 3 1 3 1 2 1 2 **3**	2 3 **1** 3 1 2 1 2 3

Assume the first two numbers are 25 and 27

These are in dozens 3 and 3 so look for the line that begins with 3 and 3. This is line 9 and shows the third number is 3 so we bet dozen 3 on the next spin

25 and 27 are in columns 1 and 3 so look for the line that begins with 1 and 3 .This is line 3 and shows the third number is 1 so we bet column 1 on the next spin.

Where dozen 3 and column 1 coincide shows the four numbers 25 -28 -31- 34 and these aee the four numbers we bet on the next spin.

Assume the winning number is 4 we lose our 4 chips.

BETTING BANK is minus 28 chips

COINCIDENTALS. Bet Eight

DOZENS	COLUMNS
1 **1** 1 2 2 2 3 3 3	1 1 1 2 2 **2** 3 3
1 **2** 3 1 2 3 1 2 3	1 2 3 1 2 **3** 1 2 3
2 **3** 1 3 1 2 1 2 3	2 3 1 3 1 **2** 1 2 3

Assume the first two numbers are 5 and 15

These are in dozens 1 and 2 so look for the line that begins with 1 and 2. This is line 2 and shows the third number is 3 so we bet dozen 3 on the next spin

5 and 15 are in columns 2 and 3 so look for the line that begins with 2 and 3 .This is line 6 and shows the third number is 2 so we bet column 2 on the next spin.

Where dozen 3 and column 2 coincide shows the four numbers 26 -29 -32- 35 and these are the four numbers we bet on the next spin.

Assume the winning number is 29 we win 32 chips.

BETTING BANK is plus 4 chips

COINCIDENTALS. Bet Nine

DOZENS   COLUMNS

1 1 1 **2** 2 2 3 3 3   1 **1** 1 2 2 2 3 3 3

1 2 3 **1** 2 3 1 2 3   1 **2** 3 1 2 3 1 2 3

2 3 1 **3** 1 2 1 2 3   2 **3** 1 3 1 2 1 2 3

Assume the first two numbers are 16 and 11

These are in dozens 2 and 1 so look for the line thst begins with 2 and 1. This is line 4 and shows the third number is 3 so we bet dozen 3 on the next spin

16 and 11 are in columns 1 and 2 so look for the line that begins with 1 and 2 .This is line 2 and shows the third number is 3 so we bet column 3 on the next spin.

Where dozen 3 and column 3 coincide shows the four numbers 27 -30 -33- 36 and these are the four numbers we bet on the next spin.

Assume the winning number is again 29 sp we lose our 4 chips.

BETTING BANK is now at Break - Even

High-Risk gamblers might want to bet all of the chips from a winning bet on the next spin plus a normal bet of 4 chips. This would mean betting 10 chips on each of the 4 numbers on the next spin. Justification that this is a reasonable bet? Consider that on a 36 number table , 4 numbers have a 1 in 9 chance of winning as also has the next bet of 4 numbers. So the chance of two bets winning in succession is 9 X 9 = one chance in 81.A winning bet of 10 chips yields 360 chips., an amount sufficient for 90 bets 9 more than the 81 bets. On a 37 number table you would bet 81 X4 =324 chips and collect 360 on a winning double a surplus of 36 chips so even allowing for 3 zeros in 81 spins you should be in profit. And even show a profit on a 38 number table.

In the Long Run of course !

BETTING THE THIRD AND FOURTH AS A DOUBLE.

REASONING.

If there is a guarantee that there will be 3 in 4correct then the "winning " treble over 4 spins MUST be one of the 4 of

1 1 1 -

2 2 - 2

3 - 3 3

- 4 4 4

Choosing any one of these is a 3 / 1 shot .

We wait for the first two spins before betting. Betting as doubles we cannot bet the 1 2 3 or 1 2 4 because, after 2 spins they have only ONE number left to bet. This leaves the other 2 that we can bet as the remaining" doubles " of our "trebles ".

Now 3 x 3 is nine and if we bet two chips on any of our 2 "doubles " then we bet two chips to win nine which is odds of 7 / 2 for a 3 / 1 shot because while we cannot bet the 1 2 3 or 1 2 4 as doubles we must consider them in our calculations.

E.g.
Assume that we choose to bet 1 3 4 .

Assume that our first two winning numbers are 1 and 10.

Both of these are in the 1st dozen.

Looking at our Block we find that the first column is 1 followed by 1 and the next 2 number s are 2 and 2

1

1

2

2

We would take the third of 1 2 3 "treble ",in this case the second dozen , to LOSE and bet 1pt on the 1st and 3rd dozens . Total bet 2 points.

Should the 1st dozen win we would then put 3 chips on the 1st dozen.(check Block) and Should the 3rd Dozen win we would put our 3 chips on Dozen 3 (again see Block) .

Ergo 7 /2 for a 3 / 1 shot. Factoring in the zero still gives an Edge in theory at least, because it is still subject to "Chance" as is all gambling.

Suggested Bank 50 bets x 2 = 100chips (maths based on 200 bets)

Let's practice betting some Double Dozens .

We choose to bet the 3 and 4 of the treble 1 -3 -4 though you can chose any of the 4 "trebles " you wish.

BETTING DOUBLES

1- 1 1 -2-2-2 3-3-3

1- 2- 3 1-2-3- 1-2-3

2-3-1 3-1 2- 1-2-3

2-3- 1- 1-2 3- 3-1-2   t

We choose to let the 2 numbers **3** and **29** be our Indicators .This means our two Indicators are 1 and 3 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these are **2 -2** and **3 - 3**

The 3rd. dozen won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 3.

Dozen 1 wins so we lose our 2 chips

BETTING BANK minus 2 chips.

1-1-1-   2-2- 2-   3-3- 3

1-2-3-   1-2- 3-   1-2-3

2-3-1-   3-1 -2-   1-2-3

2-3-1-   1 2 -3-   3-1-2

We choose to let the 2 numbers **24** and **26** be our Indicators .This means our two Indicators are 2 and 3 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these are **3 - 1** and **1 - 2** Dozen 2 won the third spin so we lose our 2 chips.

BETTING BANK minus 4 chips.

1- 1 1 -2-2-2   3-3-3

1- 2- 3 1-2-3- 1-2-3

2- 3 -1 3-1 2- 1-2-3

2- 3- 1- 1-2 3- 3-1-2

We choose to let the 2 numbers **32** and **3** be our Indicators. This means our two Indicators are 3 and 1 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row The third and fourth of these are **2 - 1** and **3 - 2**

Dozen 2 won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 1.

Dozen 2 wins so we lose our 2 chips

BETTING BANK minus 6 chips.

BET FOUR
We assume four numbers --24- 19 - 21 - 19
NINE - COLUMN BLOCK.

1- 1 1	-2-**2**-2	3-3-3
1- 2- 3	1-**2**-3-	1-2-3
2- 3 -1	**3**-1 **2**-	1-2-3
2- 3- 1-	**1**-2 **3**-	3-1-2

We choose to let the 2 numbers **24** and **19** be our Indicators .This means our two Indicators are 2 and 2 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these are **3 - 1** and **2 - 3**

Dozen 2 won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 3.

Dozen 2 wins so we lose our 2 chips

BETTING BANK minus 8 chips.

BET FIVE
We assume four numbers -- - 19 -23 - 34 - 4
NINE - COLUMN BLOCK.

1- 1 1	-2-**2**-2	3-3-3
1- 2- 3	1-**2**-3-	1-2-3
2- 3 -1	**3**-1 **2**-	1-2-3
2- 3- 1-	**1**-2 **3**-	3-1-2

We choose to let the 2 numbers **19** and **23** be our Indicators .This means our two Indicators are 2 and 2 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row.The third and fourth of these are **3 - 1** and **2 - 3**

Dozen 3 won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 1.

Dozen 1 wins so we win 7 chips

BETTING BANK minus 1 chip.

BET SIX
We assume four numbers -- - 9 -2 - 34 - 4
NINE - COLUMN BLOCK.

1- 1 1	-2-2-2	3-3-3
1- 2- 3	1-2-3-	1-2-3
2- **3** -**1**	3-1 2-	1-2-3
2-**3** **1**-	1-2 3-	3-1-2

We choose to let the 2 numbers **9** and **2** be our Indicators. This means our two Indicators are 1 and 1 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these

are **3 - 3** and **1 - 1**

Dozen 3 won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 3.

Dozen 1 wins so we lose our 2 chips

BETTING BANK minus 3 chips

BET SEVEN
We assume four numbers -- - 9 -24 - 4 - 4
NINE - COLUMN BLOCK.

1- **1** 1	-2-2-2	3-3-3
1- **2**- 3	1-2-3-	1-2-3
2- 3 -**1**	3-1 2-	1-2-3
2- 3- **1**-	1-2 3-	3-1-2

We choose to let the 2 numbers **9** and **24** be our Indicators. This means our Indicators are 1 and 2 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these are **2 - 2 and 1 - 1**

Dozen 1 won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 1.

Dozen 1 wins so we win 7 chips

BETTING BANK plus 4

BET   EIGHT
We assume four numbers -- - 29 -24 - 24 - 6
NINE - COLUMN BLOCK.

1- 1 1	-2-2-2	3-**3**-3
1- 2- 3	1-2-3-	1-**2**-3
2- 3 -1	3-1 2-	**1**-2-**3**
2- 3- 1-	1-2 3-	**3**-1-**2**

We choose to let the 2 numbers **29** and **24** be our Indicators. This means our Indicators are 3 and 2. SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these are **1 - 3** and **3 - 2**

Dozen 2 won the third spin so we lose our 2 chips

BET   NINE
We assume four numbers -35- 30 -23 31
NINE - COLUMN BLOCK.

1- 1 1	-2-2-2	3- 3- **3**
1- 2- 3	1-2-3-	1- 2- **3**
2- 3 -1	3-1 2-	**1**-**2**-3
2- 3- 1-	1-2 3-	**3**-**1**- 2

BETTING BANK plus 2

We choose to let the 2 numbers **35** and **30** be our Indicators .This means our Indicators are 3 and 3 SO we bet on the third and fourth spins the TWO dozens which are the 3rd of the first winner but not to give 3 in a row. The third and fourth of these are **1 - 3 and 2 - 1**

Dozen 2 won the third spin so we now bet 3 chips on its 2nd Leg on the 4th spin which is dozen 1.

 Dozen 3 wins so we lose our 2 chips.

BETTING BANK at Break - Even

So there you have it. A means of having previous winning numbers choose your next bet. And these are not the only ways to juggle with the numbers, there are others if only you look for them. If you are interested in betting along the lines I have suggested then practice first without betting with real money.

And do remember -

GAMBLING CAN DAMAGE YOUR WEALTH AND YOUR HEALTH SO BET WITHIN YOUR MEANS.