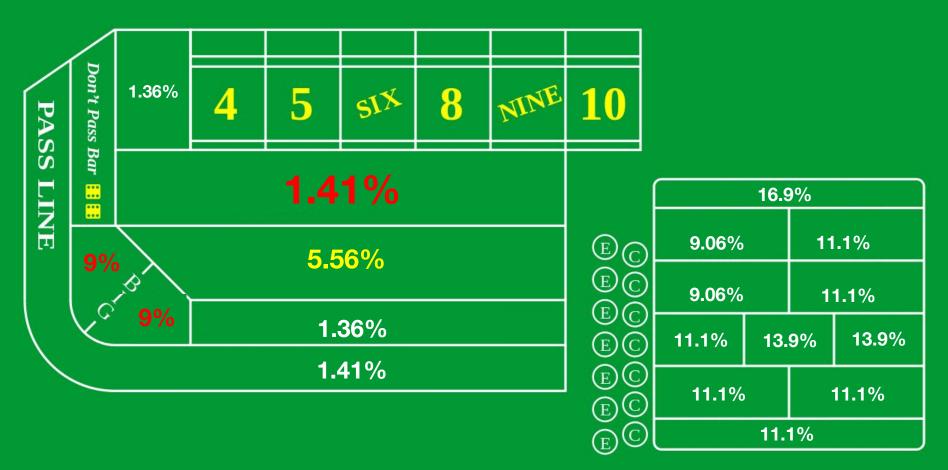


The Game

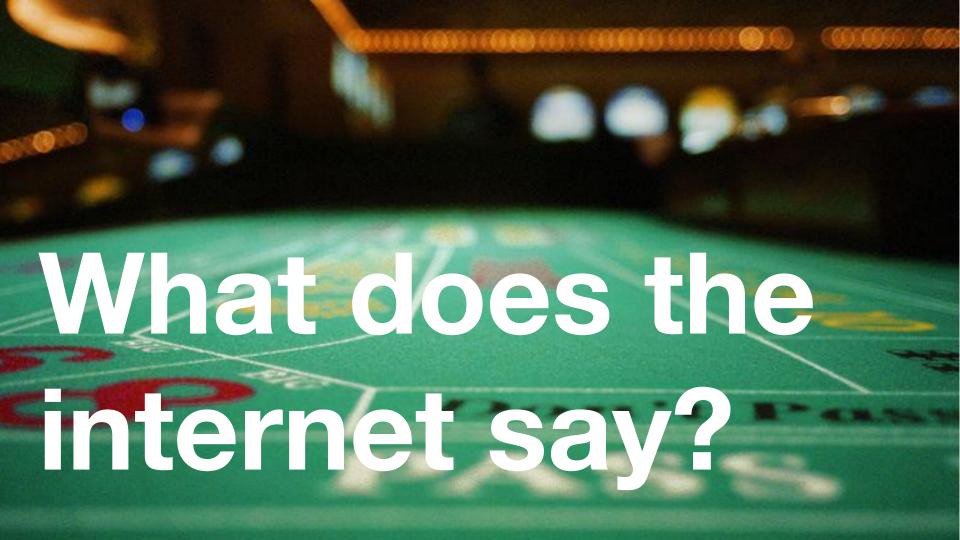


House Edge



How we Measure Effective Strategy

- Theoretical Expectation: in theory how much you will win/lose
 - Can be difficult to calculate for complicated strategies
- Average Profit: what you can expect on average
 - Calculated from simulations
- Probability of a Positive Profit: the percentage of time you will win money
 - Also calculated from simulations



Strategy 1: Martingale in the Field



MrRetro607080 1 month ago

Wait for at least 5 non field numbers in a row. Then start betting on field. Less chance to loose all the progression



Mike LoVetere 1 month ago

I would wait for 2 or three non field numbers before beginning the progression....



ffbowler300 2 months ago

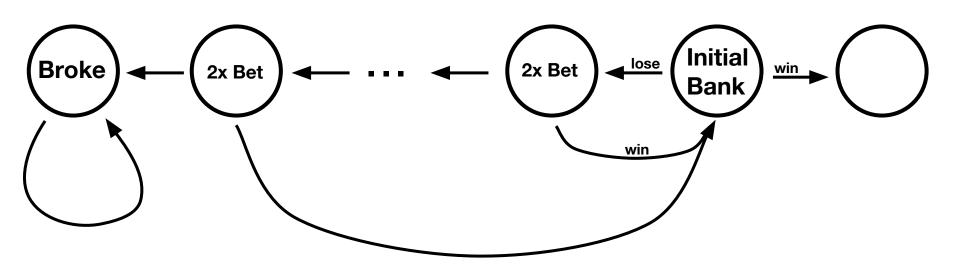
LOL martingale systems are a sure way to go broke in a casino!! Thanks for the video as always though!!



α plus β equals y 2 months ago

The rolls are independent right? So what's the point of waiting for a 5,6,7 or 8 first?

Strategy 1: Martingale in the Field



Strategy 1: Martingale in the Field

Starting bank

Average profit

Probability of positive profit

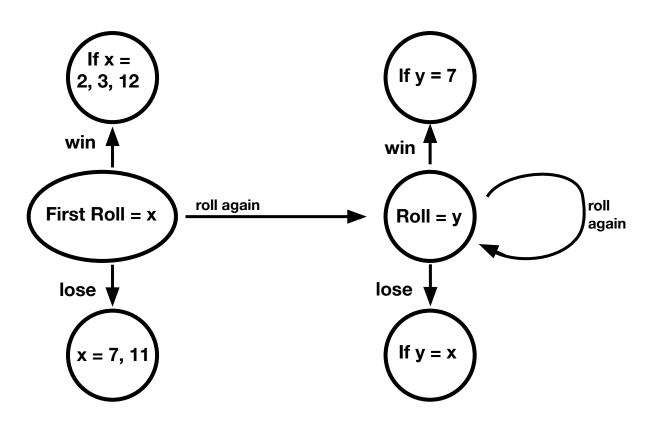
-\$25

\$500

0.49

Source

Strategy 2: The Darkside Lay



Source

Strategy 2: The Darkside Lay

Starting bank

Average profit

Probability of positive profit

0.37

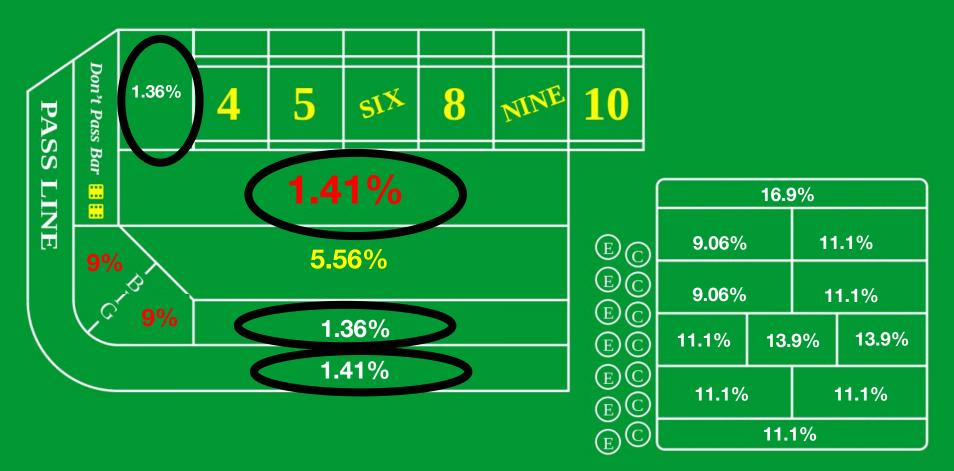
\$500

-\$122





House Edge



Strategy 3: Pass Line Bet with Odds

- Pass Line Bet
 - o 1st roll:
 - Want: 2, 3, or 12
 - Don't want: 7 or 11
 - After 1st roll: if the first roll is anything other than 2, 3, 7, 11, or 12
 - Our first roll becomes our "point". Now we want to roll this point before we roll a 7.
 - Then, we can bet "odds" on the established point, winning if the point is rolled, and losing if a 7 is rolled
- Example:
 - 1st roll: 5 => this becomes our point
 - Now we keep rolling until either a 5 or 7 is rolled. Ignore all other numbers.

Strategy 3: Pass Line Bet with Odds

Starting bank

Average profit

Probability of positive profit

0.17

\$500

-\$66

Conclusion

- Every possible betting strategy has one thing in common: you can expect to lose money in the long run
- In the short run: craps is a game of large variation and so it is easy to win and lose money in big chunks.
 - Standard deviation can be 20x the expected value of winnings.

