**Fold equity formula:**

risk / (risk + reward ) = required fold equity

**Required fold equity for auto profit 🡪 3bets**

*Preflop:*

SB + BB set blinds: Pot = $0.03 (1.5bb)

Villain (CO): Raise $0.06 (3bb) Pot = $0.09 (4.5bb)

Hero (Button): 3bet $0.18 (9bb) Pot = $0.27 (13.5bb)

Risk = $0.18

Reward = $0.06 (Villan openraise) + $0.03 (Blinds)

$0.18 / ( $0.18 + $0.06[Villain openraise] + $0.03[Blinds] ) \* 100= 66.66% required fold equity for auto profit

Same example like above but this time we calculate with blind instead of with $:

9bb / ( 9bb + 3bb + 1.5bb ) \*100 = 66.66% Required Fold equity for auto profit.

**Required fold equity for auto profit 🡪button steals**

SB fold to steal: 60%

BB fold to steal: 90%

SB fold equity + BB fold equity = (60/100) \* (90/100) = 54%

SB and BB fold together only to 54% of the time.

Can we make auto profit?

*Preflop:*

SB + BB set blinds: Pot = $0.03 (1.5bb)

Hero (Button): Raise(Steal) $0.05 (2.5bb) Pot = $0.08 (4bb)

Risk = $0.05 (Hero raise)

Reward = $0.03 (SB+BB)

$0.05 / ($0.05 + $0.03) \* 100 = 62.5% required fold equity for auto profit

For a auto profit spot in this situation we need 62.5% fold equity or more but we get only 54%. So that means that this is not a auto profit spot.

**Required fold equity for auto profit 🡪 1/2 Pot size continuation bet**

*Preflop:*

SB + BB set blinds: Pot = $0.03 (1.5bb)

Hero (CO): Raise $0.06 (3bb) Pot = $0.09 (4.5bb)

Villain (Button): calls 0.06 Pot = $0.15 (7.5bb)

SB folds

*Flop:*

Hero (CO): continuation bet $0.08 (4.5bb) *( ½ Pot size = $0,15 / 2 = 0,075 )*

$0,08 / ($0,08 + $0,15) = 34% required fold equity

**Required fold equity for auto profit 🡪 2/3 Pot size continuation bet**

*Preflop:*

SB + BB set blinds: Pot = $0.03 (1.5bb)

Hero (CO): Raise $0.06 (3bb) Pot = $0.09 (4.5bb)

Villain (Button): calls 0.06 Pot = $0.15 (7.5bb)

SB folds

*Flop:*

Hero (CO): continuation bet $0.10 (4.5bb)

***[Blinds are already included in $0.15]***

$0.10 / ( $0.10 + $0.15 ) = 40% required fold equity

If villain folds 40% of the time on our continuation bet then we a have auto profit spot.

**Required fold equity for auto profit 🡪 3/4 Pot size continuation bet**

If villain folds 43% of the time on our continuation bet then we a have auto profit spot.

**Required fold equity for auto profit 🡪 Pot continuation bet**

*Preflop:*

SB + BB set blinds: Pot = $0.03 (1.5bb)

Hero (CO): Raise $0.06 (3bb) Pot = $0.09 (4.5bb)

Villain (Button): calls 0.06 Pot = $0.15 (7.5bb)

SB folds

*Flop:*

Hero (CO): continuation bet $0.15 (4.5bb) Pot: $0.30

$0,15 / ($0,15 + $0,15) = 50% required fold equity

We should not get confused with the pot odd calculation !!! Example:

Pot: $60

Villian bets: $40

We must call $40

So we get pot ODDS of 3:1 60/40= 1.5 1,5+1=2.5 (1 / 2.5) \*100 = 40%

The same calculation just with the equation:

40 / ( 40 + 60 ) \*100 = 40%