

Texas Hold 'Em ! Poker in het Casino

9 maart 2011

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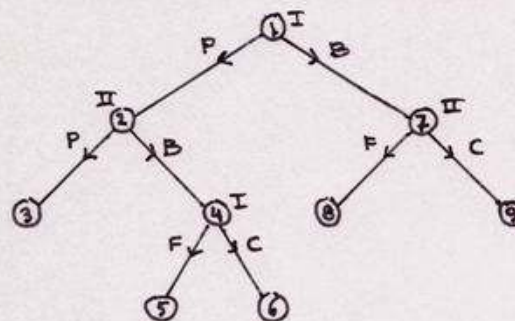
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STRAIGHT POKER

Ante=1, Bet=2 (no rake, no raise)

Cards: T < J < Q < K < A

Two-person-straightpoker

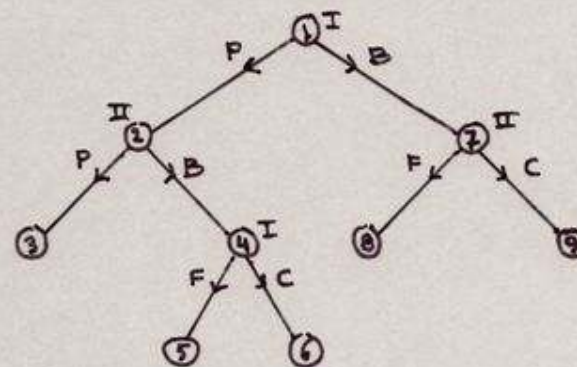


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Two-person - straightpoker



Beginners (I and II)

P, F ($\leq J$)

B, C ($\geq K$)

$(\frac{1}{2}P, \frac{1}{2}B)$, $(\frac{1}{2}F, \frac{1}{2}C)$ ($= Q$)

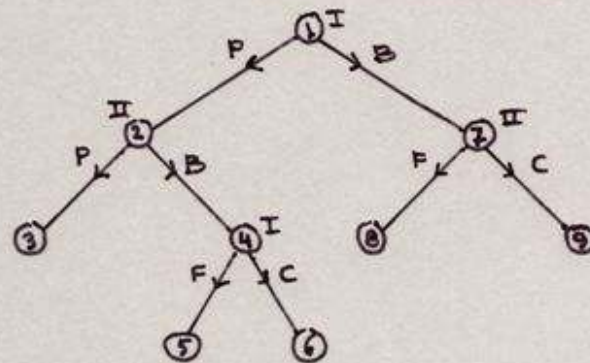
\Rightarrow

	I	II
G_0	- 0.05	+ 0.05
B_0	2.05	2.00

STRAIGHT POKER

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Opt. I / Beg. II

(1) P ($\leq Q$), B ($\geq K$)

(4) F ($\leq K$), C (=A)

$G_m(I) = +0.05$, $B_m(I) = 1.80$

Fict. I / Beg. II

$G_f(I) = +0.48$, $B_f(I) = 2.20$

Opt. II / Beg. I

(2) B

(7) F ($\leq K$), C (=A)

$G_m(II) = +0.25$, $B_m(II) = 1.15$

Fict. II / Beg. I

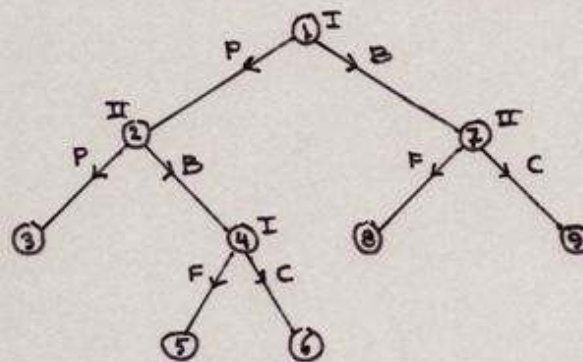
$G_f(II) = +0.43$, $B_f(II) = 2.15$

Skill: $S = 0.37$

STRAIGHT POKER

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Fictitious play

MaxMin I

- (1) (0.94P, 0.06B) ($\leq Q$)
 B (=K)
 (0.63P, 0.37B) (=A)
- (4) F ($\leq Q$)
 C ($\geq K$)

MaxMin II

- (2) (0.75P, 0.25B) ($\leq Q$)
 B ($\geq K$)
- (7) F ($\leq Q$)
 (0.37F, 0.63C) (=K)
 C (=A)

$$G(I) = -0.11 \quad \leftarrow \dots \rightarrow \quad G(II) = +0.11$$

$$B(I) = 1.73 \quad \quad \quad B(II) = 1.97$$

bluffing + sandbagging

Sensitivity analysis

- nr of players
- set of cards (incl. 5-pokerhands)
- bet / ante
- maxraise
- rake
- strategy profile of beginners

General conclusion

(based on approximations)

$$S > 0.3$$

Texas Hold 'Em

More card-stages

- preflop (2 indiv. closed cards)
 - flop (3
 - turn 1
 - river 1
- } open comm. cards

best 5 (out of 7) - pokerhand wins

General conclusion

(based on approximations)

$$S > 0.3$$

General remarks

fixed limit cash poker (chips = money)
(tournament poker ?)

LOUIS PASTEUR

**CHANCE FAVOURS ONLY
THE PREPARED MIND!**