

#### APPENDIX C: CRIB SHEET 3

Poker Champin - Out is Warrymaker

# THE RELATIVE VALUES OF TEXAS HOLD 'EM HANDS

stand is the percentage odds assigned to various combinations of hole or pocket cards. In other words, how do you determine which One of the hardest things for beginning Hold 'Em players to under-

opening bet than a low pocket pair (threes), but how do you calcutwo cards are worth playing and which two cards are worthless? hve-card poker hands? late the odds of playing less obvious hole cards into advantageous Obviously, a high pocket pair (jacks, say) will justify a bigger

card poker hand. ing to your chances of playing these two cards into a winning fivein Texas Hold 'Em, ranked according to playability--that is, accord-Below is a brief rundown of the most effective opening hands

#### The Top 40:

- 2. K-K 3. Q-Q 4. A-K, suited
- 5. J-J 6. A-Q, suited 7. A-K
- 10-10

16 15. 17. 14 13. 8-8 K-T, suited K-J, suited 9-9 A-Q A-10, suited A-J, suited K-Q, suited

21 20. 19. 18 Q-J, suited K-J A-8, suited A-J A-9, suited

J-10, suited Q-10, suited

A-10

22. 23. 24. 25. 26. 27. A-5, suited K-9, suited

29. 28. 9 A-4, suited

30.

A-7, suited

32. 33. 31. K-10 K-8, suited

3**4**. A-3, suited Q-9, suited

A-2, suited A-6, suited

K-7, suited 7-7 Q-10

J-9, suited

#### CRIB SHEET 4 APPENDIX D:

# THE PROBABILITY OF KEY OPENING HANDS

worthless. can be made from a deck of fifty-two cards. Some of these combinations are always worth playing, while others are pretty much In Hold 'Em, there are 1,326 possible two-card combinations that

of the more common opening hands—playable and otherwise. Hold 'Em, published by Bonus Books, are the odds of drawing some Here, courtesy of Bill Burton's Get the Edge at Low-Limit Texas

A-K, A-Q, K-Q	Any "promise ace	A single co	Aca aca tile lile	Ace king complinations	All ace king agents at	I period cards	Suited cards	Any pair	The probability of holding
رن ن	14.9	2.1	0.3	1.2	70.6	23.5	0.45	5.9	Percent
19 to 1	3.7 to 1	46 to 1	331 to 1	82 to 1	0.4 to 1	3.25 to 1	220 to 1	16 to 1	Odds against

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#### HANIA LE RESERVANTA RESERVANTA DE LA RES

#### Starting Hand Guide

Game: No Limit Jexas Hold'em Players: 6 handed Conditions: Average Situation: You are first to voluntarily enter the pot

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STEP 1: Determine your position at the poker table (use "Positions" diagram on apposite page as a reference)
STEP 2: Lacate your hand on the chart below

STEP 3: Use the color key to determine whether you should

briad sift fittiw blot to seint

#### shaaH besive

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ZE	Œ	E	23	<b>E9</b>	<u>E/</u> 2	23	26	<b>EI</b>	EF	60	K3	EA
ZÞ	<b>E</b>		75	<b>D</b>	奴	DB	96	bl	OP	œ	KÜ	W
25	Œ	C	83	99	97	93	96	91	T	90	SX	54
Z9	$\mathfrak{U}$	0	(B)	99	(QX)	98	96	91	T	90	92	9 <b>A</b>
22	84	03	B	83	LL	<b>B</b> 3	23	四	P	40	<b>(E)</b>	BU
28	<b>E8</b>	98	Ø	en (	田	88	<b>B</b>	<u>M</u>	œ	100	Œ	W*
26	26	66	56	Ø	0	3	66	(CL	œ	Œ	(2)	W
71	AL	<b>B</b>	51	91	a	03/	03	ш	N	110	KT	$\mathbf{I}^{p}$
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Z0	EÜ	Ħ	<i>S</i> 0	EU)	1	$\varpi$	6D	D,	ro	00	KO	DΑ
ZX	EX	W	<u>eu</u>	ØJ.	@3	8)4	6)X	M,	KJ	KO	KK	XA
Σ¥	EA	PA	54	<i>0</i> 7,	42	Siz	67,	IA	LA	DY	NA	AA

shaeH besivenU

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Reise only from Middle Position or leter

Reise only from Button

Reise only from Button

Fold (or if in Big Blind, check)

www.expertinsight.com

1 (20) B. Warm 3 - 1 Warm 3 - 1

## -SHORTHANDED, AVERAGE---

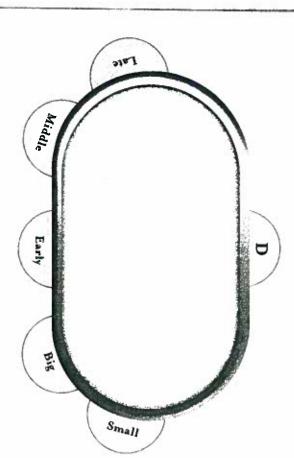
Game: Average 2 players before the flop Action: First to the pot, and raising

Players: 5- to 6-handed

Suited Hands

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K <sub>2</sub>	₹3	7	55	景の	<b>₹</b> 7	₹8	<u>~</u>	KŢ	Z	ã	Ķ	Ą
Q	ල	₽	છુ	Ş	Q <sub>7</sub>	<b>100</b>	8	ΩŢ	ত	20	õ	À
J2	J <sub>3</sub>	J.	J5	J6	J7	al final	J9	JT	۳	8	Z	ح
72	T <sub>3</sub>	1 <sub>4</sub> T	15	Т6	Т7	<b>₩</b>	T9	1	'n	ξŢ	KT	ΤΛ
92	93	94	93	96	97	&9 (9)	99	T <sub>9</sub>	J9	9	К9	A9
82	83	84	3°	86	87	88	98	T8	J8	83	K.8	A8
72	73	74	75	76	77	87	97	Т7	J7	27	К7	Α7
62	63	64	65	66	76	8	96	Т6	J6,	Ô	K6	A6
52	53	54	55	65	75	63 63	95	$T_5$	J5	છુ	₩ \$1	8
42	43	44	50 A	43	74	84	94	$T_4$	J4	2	<b>A</b>	4
32	33	<del>4</del> 3	53	63	73	83	93	Т3	J3	ල	₹	A3
22	32	42	52	62	72	82	92	12	<u></u>	ري و	2	A2

Unsuited Hands



All charts can be found in color, printable formats

on my Web site:
www.philgordonpoker.com/littlegreenbook.html

### ----AVERAGE GAME-

Game: Average 2-3 players max before the flop

(not tight, not loose)

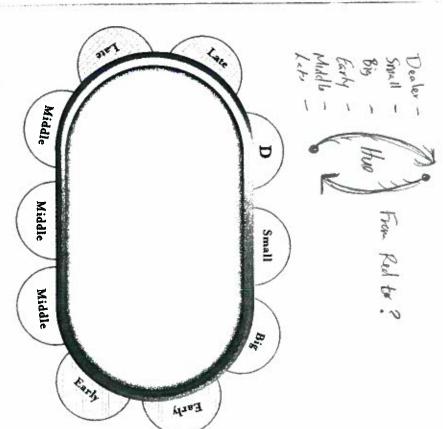
Action: First to the pot, and raising

Players: 9- to 10-handed

Suited Hands

33	4.2	л Ю	63	1	<b>8</b>	3	<del>,</del>	-	?	5	7
	<b>‡</b> 3	53	63	73	83	93	T3	J <sub>3</sub>	ಬ	<u>K</u> 3	<b>∂</b> 3
_	*	54	64	74	84	94	1,4	J4	24	<b>7</b> 4	Α4
+-	5.4	8	65	75	35	95	15	J5	55	5	35
53	\$	<b>6</b>	99	76	86	96	16	J6	Š	ξ.	A6
73	74	75	76	77	87	97	17	J7	Q7	К7	A7
33	84	85	(A)	87	88	99	18	J8	Q\$	K8	8
93	94	95	96	97	98	99	F.	J9	<b>O</b>	<u>~</u>	8
<u></u>	4.1	175	16	77	18	19	7	J.	QT		7
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\ <u>C</u>	\$	୍ବାଝ	\ <u>\</u> %	८	( <u>Q</u>	8	Q	8	QQ	ξQ.	å
2 \ 2	¥ (*	5	₹6	K7	K&	3	শ্ৰ	Z	ξ	Ķ	ķ
2	\$	3	8	<b>A</b> 3	\$	\$	Ą	Į.	ĄQ	À	*

Unsuited Hands



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SIB- Medium See Green

End- Nancjo White

Mid- Light Blue

Lote- Blue

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262

### -I'M PLAYING TIGHT--

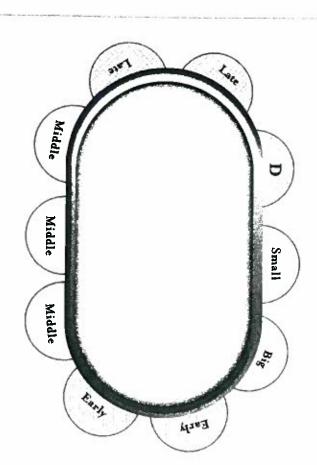
Game: Average 3-5 players before the flop Action: First to the pot, and raising

Players: 9- to 10-handed

Suited Hands

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J2	J <sub>3</sub>	J4	J5	J6	J7	J&	J9	JT	II.	8	Z	ځ	
T2	Т3	T4	Т5	Т6	Т7	78	9	77	TT	(P)	Ä	ΡŢ	1
92	93	94	95	96	97	9 82	99	Т9	J9	ဇ္	5	Ag	1
82	83	84	85	86	87	œ œ	98	₽	Jø	₽Ç.	‰	A8	
72	73	74	75	76	77	87	97	Т7	J <sub>7</sub>	ଓ	尽7	A.5	
62	63	64	65	66	76	න ග	96	T6	J6	Ş	K6	Α6	
52	53	54	ĢQ.	& &	75	85	95	<b>T</b> 5	J5	છુ	К5	<b>3</b> 5	
42	43	44	54	64	74	48	94	Т4	J4	24	К4	A4	
32	မွှာ မှ	43	53	63	73	83	93	Т3	J3	ಬ್	К3	A3	
19 19	32	42	52	62	72	82	92	T2	J2	Q2	K2	A2	

Unsuited Hands



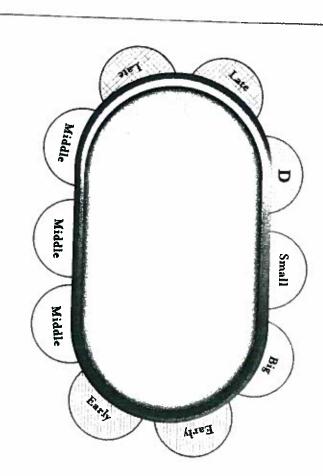
### —I'M PLAYING LOOSE—

Game: Average 2 players before the flop Action: First to the pot, and raising Players: 9- to 10-handed

Suited Hands

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92	93	2 2	<u> </u> 55	9	97	9	3 3	8	T9	J.9	2 11	- 2	K	8
82	హ	4.2	3	8	87	80	3	200	S.I.	500		3	₹ 8	A8
72	73	74	3	76	77	87	1	\$	T7	J7	6	7	5	A7
62	క	64	ક	66	76	86	¥	3	T6	J6	چ		X6	A6
52	53	54	S)	65	75	85	3		75	J5	દ્ધ	1	灵泉	Š
*2	43	*	양	64	74	84	94	:	Ţ.	J4	2	_	2	\$
32	33	43	53	63	73	83	93	1	.Ţ	J3	23	╆┷	+	ځ
23	32	42	52	62	72	82	92	T	3	22	20.		5	A

Unsuited Hands



only cards you have that others can't





### Hold'em Starting Hand Chart

a king of the same suit. The dark green starting hands (AA, KK) should be played in any table position. The lighter green pairs (QQ, JJ, etc.) are played at any table position except by the tightest (most conservative) players. The dark blue (suited) and dark pink (unsuited) starting hands are played from middle and late positions, depending on the player's risk comfort and the size of the bets. The light blue (suited) and pink (unsuited) starting hands should only be played in low-limit games at late table positions, depending on the player's risk comfort. The chart shown offers a guideline for selecting starting hands in Hold'em poker. AA means two aces; AKs means an ace and

This chart is a beginning point for most Hold'em players in determining which starting hands to play. With experience, you will memorize this table to use as a guideline to help make better plays.

₿	곮	A	35	Æ	A7	8	盎	AT	2	à	늦	200
73	చ	X	S	K6	~	8	3	<b>5</b>	2	Ko	X	AKS
Q2	03	2	25	96	07	8	09	OT	2	200	Kas	aus
J2	J3	JA	<u> 2</u> 5	9F	J7	- Br	J9	JT	III	8F0	KUs	AJS
<b>T2</b>	13	T4	15	T6	17	T8	T9	1	JTs	OTs	KTs	ATS
92	93	94	95	96	97	98	99	<b>T9s</b>	J9s	Q9s	K9s	A98
82	83	84	85	98	87	88	98s	T8s	SBL	<b>98</b> s	K8s	A85
72	73	74	75	76	77	87s	97s	178	J7s	07s	K7s	A78
62	63	64	65	66	768	868	968	T6s	sgr	268	K6s	Abs
52	53	54	55	858	75s	8 <b>2</b> 8	958	158	35s	05s	K5s	A5s
42	<b>&amp;</b>	1	54s	648	74s	84s	94s	T48	J4s	04s	X4s	A4s
32	ដ	438	53s	869	738	838	93s	T3s	Jäs	03s	K3s	A3s
22	32s	42s	52s	628	72s	82s	92s	<b>12s</b>	J2s	Q2s	<u>ک</u>	A2s



whart is a beginning point for most Hold'em players in determining which starting hands to play. With experience, you memorize this table to use as a guideline to help make better plays.

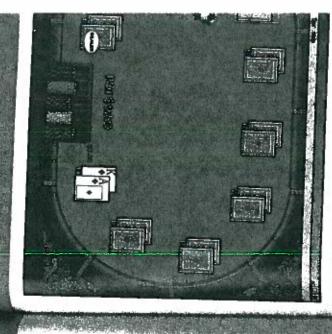
AA/KK = Dark Circum	1
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02	03	04	05	96	07	90		12	0		808	
J2	EL.	JA	J5	<b>3</b> 6	J7	_ 8£				Ola	863	四二 一
12	13	14	3	16	77	18				610	KTS	CALLS.
92	93	94	95	96	97	98		DU	-49s	910	1038	調を行るの
82	83	8	85	86	87				1115	088	<b>大田田</b>	
72	73	74	75	76	1	070	976	178	J78	078	K7a	でいていて
62	63	64	65		766	100	968	<b>16s</b>	.36s	<b>Q6s</b>	<b>水</b> 68	西から
52	53	57		器	758	85s	958	158	J58	<b>95</b> 8	KG8	
42	43		546	648	748	848	948	T48	348	048	Kds	
32	震力響	438	538	638	7,38	838	938	<b>138</b>	413s	*018	E BENT	
語と	328	428	5728	628	728	1128	928	1728	<b>J28</b>	028	K29	

皇皇

90-21 = Green

Ant



# WINNER'S GUIDE TO TEXAS HOLD'EM POKER

Each player in turn behind you can correctly play ogressively weaker and weaker hands because there are ogressively weaker and weaker hands because there are wer players behind him who might raise. The number of tential raisers is reduced with each player who passes or alls. If you have a weak, or less than a premium hand, you trainly would rather see the flop for only one bet than for

Your position in hold'em is also important because it Your position in hold'em is also important because it oes not change during the course of the hand. Being first oes not change during rounds is a distinct disadvantage act for four betting rounds is a distinct disadvantage cause you normally have no idea how many players will all or raise behind you until it happens. On the other hand, all or raise behind you until it happens. On the other hand, he biggest advantages you could have without everybody ctually showing you their cards. By the time the action retually showing you their cards. By the time the action retually you they will have, in effect, shown you their cards ets to you will at least know how they feel about their nameds by the way they have checked, bet, raised or reraised with their hands.

If you're last, every player in the game will have to act on his hand for four rounds without knowing what you're joing to do. You, on the other hand, won't have to act on your hand until you've seen what everyone else has done with theirs. When you're last to act, you're in a powerful position. You can save money by folding when someone else has called a bet ahead of you, or you can raise when you have the best hand.

#### **EARLY POSITION**

When you are in early position, the type of hands that you can play is restricted to:

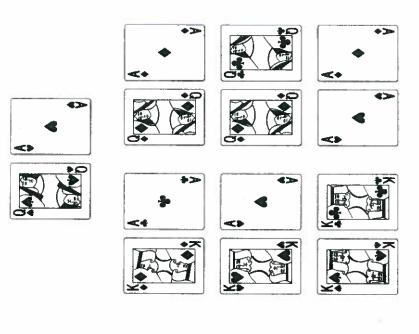
- High cards, hands that clearly have a high expectation of winning.
- Hands that will win with little or no improvement.

# PRACTICAL WINNING HOLD'EM CONCEPTS

3. Drawing cards like A♥ Q♥, hands that still have a chance to win if you miss your draw. You can miss your heart draw and still win with a pair of aces or queens.

The hands you play up front should be able to stand a raise behind you if it comes. These are the only hands that you can profitably play from early position in a low-limit game:

### **Early Position Hands**



# PRACTICAL WINNING HOLD'EM CONCEPTS

As you become a more experienced hold'em player and gain a deeper insight into the subtleties of the game, there are several other hands that you can add to this early position starting hand list. This is also true for the following middle and late position starting hand list and these added hands will be covered later.

Anything else, no matter how pretty it looks, is not profitable played in an early position in a low-limit game.

#### MIDDLE POSITION

While playing in middle position, you will usually have a few callers in front of you already in the pot and you'll have a few more potential callers behind you. Because the chance of a raise is somewhat reduced and there are already several players in the pot, you are getting better odds to play somewhat weaker hands and you will often be getting the correct odds to play drawing hands like J. 10.

Also realize that if you call, it raises the pot odds for the players behind you and makes it more correct for them to play weaker hands. Pot odds are the odds that the pot is offering you in relation to the size of the bet you are making or calling. For example, if a sole opponent bets \$10 into a \$50 pot (to create a \$60 pot), then you are getting pot odds of 6 to 1. If you think your odds of winning a hand if you call are better than 6 to 1, then you should call. If you think your odds of winning the hand if you call are less than 6 to 1, then you should not call.

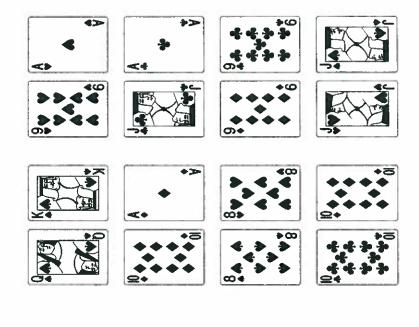
For example, a player who is last with 10\$\infty\$ 9\$\psi\$ cannot play if there are only one or two players in the pot. He just doesn't have the right odds to draw to the hand. But if you call in middle position with something like K\$\infty\$ 10\$\infty\$, you might have induced the player on your left to call because he has one more player in the pot (you) and the pot is slightly bigger. This, in turn, starts a domino effect where each player calls a bigger pot and adds one bet to it. The last player might be getting 6 to 1 on his bet and can now play

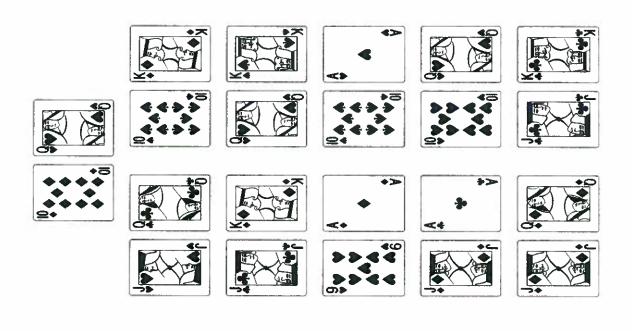
his 10♠ 9♥.

The effect of calling in early and middle position is that it induces players to play weaker hands behind you, especially in low-limit hold'em. This increases the size of the pot if you win, but it reduces your overall chances of winning the pot to begin with.

Here is the list of hands that you can play in middle position, in addition to the Early Position list:

### Middle Position Hands





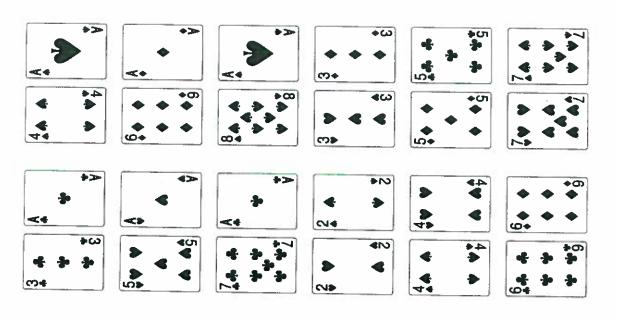
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PRACTICAL WINNING HOLD'EM CONCEPTS

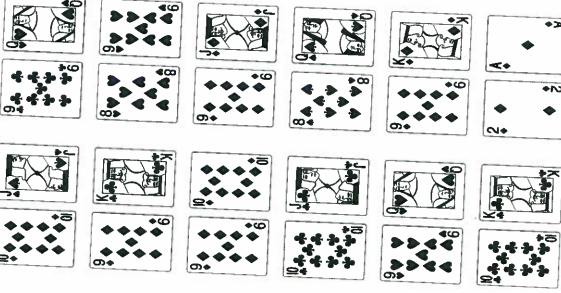
Winners Guids To Toxas Holder Porcer

Ken Wanen

#### **Late Position Hands**







#### The Top 40 Hold'em, Hands Based on Earning Power

	\$	39	38	<u>37</u>	ર્જુ	35	34	33	32	31	36	29	28	B	26	25	24	31	18	3 6	\$ t#	18	U	16	6	14	ដ	15	# <b>E</b>	<b>.</b>	50	7	6	5	n.	LÚ I	2	•	Rank	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, T
	]-98	77	K-73	Q10	A-2s	A-68	A-38	7.86-D	K-10	X-8s	A-78	<u>&amp;</u>	A-ta	A 55°	J-10 <b>s</b>	K-3	Q10e	A-10	<u>ک</u> کی کارکی ک	sç	<b>2</b>	<u> </u>	A:98	K-10s	<u>ڇ</u>	<b>%-Js</b>	2	۸ د	A-10 8	Z Z	γĢ	A.X	10-10	<b>A-K</b> 6	ŭ,	8	×.	<b>A A</b>	Hand	CAN STREET THE PERSON STREET, THE PARTY AND ADDRESS.
	18.70	18.40	17.95	17.65	16.74	16.44	16.14	15.84	15.54	1463	14.33	14.03	19.12	12.82	12.52	22.21	11.92	1161	10.71	10 A)	9.20	S	7.84	7.54	724	633	83	51 <u>1</u>	4 86 ×	4.07	3.77	3.02	2.56	2:11	1.81	1.36	0.90	0.45	% Chance or Better	THE RESERVE AND ADDRESS OF THE PERSON NAMED IN
のことはいるのは	435	4.43	4.57	4.67	197	5.08	5.20	5.31	5.44	5.84	5.98	6.13	6.62	6.80	6.99	7,19	7.39	7.61	834	20.6	9.8/	10.43	1155	12.26	12.81	14.779	15.58	16.93	20.39	20.00	25.52.	32.15	38.00	46.36	S4.25	72.67	109:50	Better:	Odds-to-Tor	SAPICTURE PROPERTY NAMED IN COLUMN

The "s" after a hand indicates that the two pocket cards are suited. If there is no "s," then the cards are no t suited."

"This is the percent chance that you will be dealt this hand or any

chance of being dealt K-Q suited or any of the eight hands above it is one of the hands above it on the list.
\*\* This is the percent column converted to odds. For example, your 1.07 percent, converted to odds is 23.56-1.

#### **OVERCARDS**

paired one of your opponent's hole cards. highest card in your hand. It represents the threat that it has An overcard is a card on the flop that is higher than the

you sometimes actually have the best hand at that point. and it usually means you'll have to fold your hand, even if Whether or not he actually has a king is for you to figure out betting in front of you is representing at least a pair of kings. like a flop like K♥ 8♦ 6♠ against six players. Any player If you have 10\$\infty\$ 10\$\infty\$, then you definitely would not

any card lower than the one named. about an overcard, and that's going to happen only 14.9 percent of the time. The "X" in the following table represents You must have an ace in the pocket to not have to worry

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Basic Odds for the Flop in Percentages - A

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Basic Odds:For the Flop in Percentages - D

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1. This table lists the percentage chance of winning against random hands when you hold the specified pair in the pocket against the specified number of opponents and everyone plays to the end.

2. You will flop a set 10.776 percent of the time but if you miss, you'll still make your set by the river an additional 8.4 percent of the time.

3. Remember, if someone else has A♥ A♠ in the pocket and you also have a pair in the pocket, if doesn't matter if your pair is K♠ K♥ or 2♣ 2♠. You still need to improve to win the hand.

The following charts give the percent chance that you will win the hand when you hold the specified cards against the specified number of players and you all play to the end. Although this situation does not exactly represent what actually happens in actual hold'em games, it does serve to illustrate the relative values of all the hands. For example, when you hold  $K \Psi J \Phi$ , your winning percentages are 61 percent in a two-handed game, 43 percent in a three-handed game, 35 percent in a four-handed game, 21 percent in a seven-handed game and 15 percent in a ten-handed game.

<a></a> <a> lt;</a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a></a>	A K Q L L & & L & B & L & B & L & B & L & B & L & B & L & B & B	4 X Q P H O B P A D A D
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I do not think that this kind of implicit collusion against a short stack represents unethical behavior. I would never say something like, "Okay, guys, let's all take a shot—no one bet or raise." I'm merely hoping that my fellow players are aware of this strategy. If it seems like they might not be, I see no problem in educating them away from the table while on a break or in between rounds.

## SOBERING MATH AND BAD BEATS

While tournament poker is a pursuit that demands a lot of skill, there is no doubt in my mind that it requires an extraordinary amount of luck to win.

Over the course of a tournament, I'm due to be dealt pocket aces about I out of 221 hands. At typical tournament dealing speeds I pick them up about once every five hours or so.

For this thought experiment, I assume that for every 221st hand I play, I pick up A A A. I raise. Then a "sucker" at the table, who has exactly the same number

of chips that I have, loves his hand and re-raises. I move all-in and he calls.

I am all-in with the best hand. A dominant best hand. He turns over K♠ K♥ and is crushed to see my aces. I am 81.26% to win before the flop.

Over the course of five days of play, ten hours a day, I face this situation ten times. Ten times I have to "not get unlucky" in order to win the tournament. What are the chances?

loth	9th	8th	7th	6th	5th	4th	3rd	2nd	lst time	A-A vs. K-K All-in
12.55%	15.44%	19.00%	23.39%	28.78%	35.42%	43.59%	53.65%	66.02%	81.26%	Chance of Survival

#### K♠ K♥ vs. A♠ 8♠

With all the money in the pot, the unsuited ace will win about 29% of the time.

In each case, you can clearly see that suited cards will only outperform their unsuited cousins around 3-4% of the time. In other words, the main strength of a hand comes from the rank of the cards, not their suitedness. A decision whether to play or fold a hand before the flop has to be very close before I consider whether or not it is suited.

### PREFLOP MATCHUPS

While actually calculating the preflop percentages of two competing hands gets pretty complicated, I can approximate my chances of winning by memorizing just a few scenarios.

Fav = The favorite to win the hand

Dog = The underdog in the hand

Odds = If the favorite is 82% to win, and the underdog is 18% to win, the better hand would be an 82-to-18, or 4.6-to-1 favorite. This

would mean that there would need to be \$46 in the pot for each \$10 I am being asked to call.

(In each situation the favorite is listed first.)

77	Unsuited vs. Suited	Best vs. Worst	High/low vs. Medium/lower	Two high vs. Two low	Domination	High/low vs. Med. suited connectors	High card vs. Two intermediates	Suited connectors	Pair vs. Connected overcards	Pair vs. Connected suited overcards	Pair vs. Suited over and under	Pair vs. Under-suited- connectors	Pair vs. Underpair	Situation
	AKs vs. AKo	AA vs. 72	Q7 vs. T5	KT vs. 64	ATs vs. A2	A2 vs. QJs	A2 vs. Q8	JT <b>♠</b> vs. 65♥	77 vs. KQo	77 vs. KQs	TT vs. A2s	KK vs. 87s	AA vs. 55	Example
	53	89	63	64	70	53	58 8	63	54	51	68	77	82	Fav
286	47	=	37	36	30	47	42	37	46	49	32	23	18	Dog
E .	1.1	8.1	1.7	1.8	2.3	Ξ	1.4	1.7	1.2	1.0	2.1	ယ ယ ယ	4.6	Odds

AKs denotes A and K of the same suit. AKo denotes A and K of two different suits.

# SLIGHT DOG, BIG FAVORITE

A-K is one of the best hands to play in No Limit Hold'em. Many top professionals play this hand very aggressively, almost as if they had A-A or K-K. Why so? Because with this hand, most of the time either they will be a very slight underdog (they are against a pocket pair) or they'll be a big favorite (against A-Q, etc.)

Computer simulation with A-K against a random selection of decent hands (any pocket pair A-A to 2-2, A-K, A-Q, A-J, K-Q) shows that A-K comes out slightly ahead, winning 53.23% of the time against all of these hands. Only against A-A is the A-K truly dominated. Even against K-K, the A-K will win about 31% of the time.

# INTERESTING, UNEXPECTED MATCHUPS

Here are some preflop matchups whose results turn out to be interesting and unexpected:

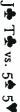
Against A-J or 8-8, K-Q is an underdog. But look what happens against A-J and 8-8:

8♠8♥	K <b>♦</b> Q <b>♦</b>	A <b>♣</b> J♦	
33.4%	36.4%	30.2%	

K-Qs suddenly become a nice favorite!
Here is the closest preflop equity race I've been able to find:

8♥ 4♠	K <b>♦</b> Q <b>♦</b>	K <b>♠</b> Q♠
33.3332%	33.3334%	33.3334%

Ask most professional poker players which of the following hands is the favorite before the flop:



Most will answer 5-5. I know I did. I thought that every pocket pair was favored over two unpaired cards. In this case, 5-5 seems to be in the lead, but the J-T suited turns out to be a reasonable favorite:

I use this chart to figure out the chances of winning after the flop and the turn. The Rules of Four and Two (see page 178) provide close approximations, but here are the exact values.

Note that the postflop column does not contain any adjustment for opponents' redraws, i.e., those times they pick up a backdoor flush or straight. This table assumes that if I hit my hand, it will be a winner.

17	į	0.71		1 2	12	=	ē	9	0	0 7	0	) OI	4	3	22	_	Outs	, 
68	64	60	56	52	48	44	40	36	32	28	24	20	16	12	8	4	Rules of 4	Postflop
61.8%	59.0%	56.1%	53.0%	49.9%	46.7%	43.3%	39.9%	36.4%	32.7%	29.0%	25.2%	21.2%	17.2%	13.0%	8.8%	4.5%	Exact	
34	32	30	28	26	24	22	20	18	91	14	12	lo	8	6	4	2	Rule of 2	Postturn
38.6%	36.4%	34.1%	31.8%	29.5%	27.3%	25.0%	22.7%	20.5%	18.2%	15.9%	13.6%	11.4%	9.1%	6.8%	4.5%	2.3%	Exact	turn

270

### PREFLOP CHANCES

### The chances of being dealt . . .

Two suited cards	A-A, K-K, any A-K	Any A-K	A-K offsuit	A-K suited	Any pocket pair	A-A or K-K	A-A	(
24.00%	2.10%	1.20%	0.90%	0.30%	5.90%	0.90%	0.45%	

### If I have a pocket pair, I will flop . . .

Set or better	Four of a kind	A full house	A set	
11.80%	0.20%	0.70%	10.80%	•

#### If I am suited, I will . . .

Make flush by river		Flop a three-card flush	Flop a flush draw	Flop a flush
6.40%	(need two more!)	41.60%	10.90%	0.84%

# If I am unpaired in the hole, I will flop . . .

	Quads	Full house	Trips		Two pair		Exactly one pair	At least one pair	•
(dream on)	0.01%	0.10%	1.35%	(using both hole cards)	2.00%	(using one hole card)	29.00%	32.40%	

## When the flop comes down, it will be . . .

Unsequenced (2-5-Q)	Two sequence (K-5-6)	Sequenced (4-5-6)	Rainbow (three suits)	Suited	Paired	Trips	
56.00%	40.00%	3.50%	40.00%	5.20%	17.00%	0.24%	

### On the turn, I'll make a . .

(four outs)	Full house after flopping two pair	a set (seven outs)	Full house or better after flopping
9%		15%	

(six outs)	Pair after flopping two overcards	(four outs)	Straight after flopping a gut-shot	draw (eight outs)	Straight after flopping two-way	(nine outs)	Flush after flopping a four flush
13%		9%		17%		19%	

# After the flop, if I go to the river, I'll make a . . .

Full house or better after flopping a set 33%

Full house or better after flopping two pair 17%

Flush after flopping a four flush 35%

Backdoor (runner-runner) flush 4.2%

Straight after flopping two-way draw 32%

Straight after flopping a gut-shot 17%

Pair or better after flopping two overcards 24%

# With just the river to come, I'll make a . .

Full house or better with a set (ten outs) 23%

Full house out of two pair (four outs) 9.1%

Flush from a four flush (nine outs) 20%

Straight with two-ways to make it (eight outs) 17%

Gut-shot straight (four outs) 8%

Pair with two overcards (six outs) 13%