



FLAWLESS POKER GUIDE SERIES

8-Handed SNG Early Stage, Volume 2: Hand-by-Hand Odds & Options

All 169 starting hands with equities, flop odds, and recommended actions by seat at 100bb and 50bb · scenario tables for limps, raises, 3-bets, squeezes, and blind vs blind

EDITION · OCTOBER 2026 ·

A BRIGHTER GAME AHEAD · PLAY · TRACK · IMPROVE · WIN



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Flawless Poker · 8-Handed SNG Early Stage, Volume 2: Hand-by-Hand Odds & Options · October 2026 edition. Study material for use away from the table; charts and ranges are approximate guidelines, not solver output.



Study material, not a live aid. This guide is for study **away from the table**. It is not meant for real-time use while you play, and most sites restrict outside help during hands.

Tags. [Computed] = calculated by our Python scripts (169×169 equity matrix, Monte Carlo multiway equity with 6,000 trials per hand, exact flop enumeration over all 19,600 flops). **[Approx.]** = simplified guideline; **all recommended actions and ranges are [Approx.]**, not solver output. **[Consensus]** = community estimates. Only play with money you can afford to lose.

How to read the hand tables

- C** = combos. **vs 1/2/3 rnd** = equity (%) vs 1, 2, 3 random hands [Computed]. **vs call** = vs a loose micro-stakes early calling/limping range (22+, A2s+, K2s+, Q5s+, J7s+, T7s+, 97s+, 86s+, 75s+, 65s, 54s, A2o+, K8o+, Q9o+, J9o+, T9o; ~45%). **vs raise** = vs a typical early raise range (77+, ATs+, KJs+, QJs, AJo+, KQo; ~8%) [Computed, matrix, card removal ignored].
- Flop odds** [Computed, exact]: **Set** = set or better (pairs); **P** = pair a hole card (unpaired hands); **FD** = flush draw (exactly two of your suit); **SD** = open-ended/double-gutter straight draw or made straight (can include board-driven straights).
- Open from 100/50bb** = earliest seat to raise first in (then every later seat too). Size **2.5-3bb** at 100bb, **2.5bb** at 50bb, **+1bb per limper**. — = fold first-in from UTG-BTN.
- Blinds**: SB R3 = raise to 3bb when folded to; BB D = defend vs a min-raise or 2.5bb steal.
- vs limp**: Iso = raise 4bb + 1 per limper; Limp = over-limp behind; F = fold.
- vs raise**: 3B = 3-bet (3x IP, 4x OOP); 3B/C = 3-bet vs late opens, call vs early; C = call (IP preferred, set-mine/implied odds); F = fold. **vs 3B**: 4B = 4-bet/get it in; C = call (IP, 100bb); F = fold.

I. All 169 hands [Computed equities · Approx. actions]

Pocket pairs

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
AA	6	86/73/64	86	84	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	3B / 3B	4B
KK	6	83/68/57	78	73	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	3B / 3B	4B
QQ	6	80/66/54	74	65	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	3B / 3B	4B
JJ	6	78/61/50	70	58	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	3B/C / 3B/C	C
TT	6	75/56/45	67	52	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	C / C	C
99	6	73/54/42	63	48	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	C / C	F
88	6	70/51/37	60	45	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	C / C	F
77	6	67/46/35	57	42	Set 11.8	UTG / UTG	SB R3 / BB D	Iso	C / C	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
66	6	64/43/31	55	40	Set 11.8	UTG / UTG	SB R3 / BB D	Limp	C / C	F
55	6	61/40/29	53	40	Set 11.8	UTG / UTG	SB R3 / BB D	Limp	C / F	F
44	6	58/36/26	50	39	Set 11.8	UTG / UTG+1	SB R3 / BB D	Limp	C / F	F
33	6	55/33/24	49	39	Set 11.8	UTG / MP	SB R3 / BB D	Limp	C / F	F
22	6	51/30/22	47	38	Set 11.8	UTG / MP	SB R3 / BB D	Limp	C / F	F

Suited ace hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
AKs	4	67/50/41	66	58	P 32.4 · FD 10.9	UTG / UTG	SB R3 / BB D	Iso	3B / 3B	4B
AQs	4	66/49/40	64	51	P 32.4 · FD 10.9	UTG / UTG	SB R3 / BB D	Iso	3B/C / 3B/C	C
AJs	4	65/48/38	62	44	P 32.4 · FD 10.9	UTG / UTG	SB R3 / BB D	Iso	C / C	F
ATs	4	64/47/36	60	39	P 32.4 · FD 10.9	UTG / UTG	SB R3 / BB D	Iso	C / F	F
A9s	4	63/44/34	57	37	P 32.4 · FD 10.9	UTG / UTG	SB R3 / BB D	Iso	F / F	F
A8s	4	62/44/33	54	36	P 32.4 · FD 10.9	UTG+1 / UTG+1	SB R3 / BB D	Limp	F / F	F
A7s	4	61/41/33	52	36	P 32.4 · FD 10.9	UTG+1 / UTG+1	SB R3 / BB D	Limp	F / F	F
A6s	4	60/41/32	50	36	P 32.4 · FD 10.9	MP / MP	SB R3 / BB D	Limp	F / F	F
A5s	4	60/42/32	50	37	P 32.4 · FD 10.9	UTG+1 / UTG+1	SB R3 / BB D	Limp	C / F	F
A4s	4	59/41/30	49	36	P 32.4 · FD 10.9	MP / MP	SB R3 / BB D	Limp	C / F	F
A3s	4	58/39/30	48	36	P 32.4 · FD 10.9	MP / MP	SB R3 / BB D	Limp	F / F	F
A2s	4	57/38/29	48	36	P 32.4 · FD 10.9	MP / MP	SB R3 / BB D	Limp	F / F	F

Offsuit ace hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
AKo	12	66/48/38	64	56	P 32.4	UTG / UTG	SB R3 / BB D	Iso	3B / 3B	4B
AQo	12	65/46/37	62	49	P 32.4	UTG / UTG	SB R3 / BB D	Iso	C / C	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
AJo	12	64/45/35	60	40	P 32.4	UTG / UTG	SB R3 / BB D	Iso	F / F	F
ATo	12	63/44/34	58	36	P 32.4	UTG+1 / UTG+1	SB R3 / BB D	Iso	F / F	F
A9o	12	61/43/31	54	33	P 32.4	HJ / HJ	SB R3 / BB D	F	F / F	F
A8o	12	60/41/30	52	33	P 32.4	CO / CO	SB R3 / BB D	F	F / F	F
A7o	12	58/40/28	50	32	P 32.4	CO / CO	SB R3 / BB D	F	F / F	F
A6o	12	57/39/28	48	32	P 32.4	BTN / BTN	SB R3 / BB D	F	F / F	F
A5o	12	57/39/28	47	33	P 32.4	CO / CO	SB R3 / BB D	F	F / F	F
A4o	12	56/37/28	46	33	P 32.4	BTN / BTN	SB R3 / BB D	F	F / F	F
A3o	12	56/37/27	45	32	P 32.4	BTN / BTN	SB R3 / BB D	F	F / F	F
A2o	12	55/36/25	45	32	P 32.4	BTN / BTN	SB R3 / BB D	F	F / F	F

Suited king hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
KQs	4	64/47/39	55	40	P 32.4 · FD 10.9 · SD 3.7	UTG / UTG	SB R3 / BB D	Iso	C / C	F
KJs	4	63/46/37	54	36	P 32.4 · FD 10.9 · SD 4.3	UTG / UTG	SB R3 / BB D	Iso	C / F	F
KTs	4	62/45/35	52	35	P 32.4 · FD 10.9 · SD 4.7	UTG / UTG	SB R3 / BB D	Iso	F / F	F
K9s	4	60/42/33	49	34	P 32.4 · FD 10.9	UTG+1 / UTG+1	SB R3 / BB D	Limp	F / F	F
K8s	4	58/41/30	46	32	P 32.4 · FD 10.9	MP / MP	SB R3 / BB D	F	F / F	F
K7s	4	57/40/30	45	32	P 32.4 · FD 10.9	HJ / HJ	SB R3 / BB D	F	F / F	F
K6s	4	56/38/29	44	32	P 32.4 · FD 10.9	CO / CO	SB R3 / BB D	F	F / F	F
K5s	4	56/38/28	43	32	P 32.4 · FD 10.9	CO / CO	SB R3 / BB D	F	F / F	F
K4s	4	55/37/28	42	32	P 32.4 · FD 10.9	BTN / BTN	SB R3 / BB D	F	F / F	F
K3s	4	54/36/26	42	32	P 32.4 · FD 10.9	BTN / BTN	SB R3 / BB D	F	F / F	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
K2s	4	53/36/27	41	31	P 32.4 · FD 10.9	BTN / BTN	SB R3 / BB D	F	F / F	F

Offsuit king hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
KQo	12	62/45/36	53	37	P 32.4 · SD 3.7	UTG / UTG	SB R3 / BB D	Iso	F / F	F
KJo	12	61/43/34	51	32	P 32.4 · SD 4.3	UTG+1 / UTG+1	SB R3 / BB D	F	F / F	F
KTo	12	60/42/33	49	32	P 32.4 · SD 4.7	HJ / HJ	SB R3 / BB D	F	F / F	F
K9o	12	58/40/30	46	30	P 32.4	CO / CO	SB R3 / BB D	F	F / F	F
K8o	12	56/37/26	42	29	P 32.4	— / —	SB R3 / BB D	F	F / F	F
K7o	12	55/36/26	42	28	P 32.4	— / —	SB F / BB D	F	F / F	F
K6o	12	54/35/25	41	28	P 32.4	— / —	SB F / BB F	F	F / F	F
K5o	12	53/34/24	40	28	P 32.4	— / —	SB F / BB F	F	F / F	F
K4o	12	52/33/23	39	28	P 32.4	— / —	SB F / BB F	F	F / F	F
K3o	12	51/32/22	38	28	P 32.4	— / —	SB F / BB F	F	F / F	F
K2o	12	50/31/21	38	27	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited queen hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
QJs	4	60/44/35	50	34	P 32.4 · FD 10.9 · SD 7.3	UTG / UTG	SB R3 / BB D	Iso	C / F	F
QTs	4	60/43/36	48	35	P 32.4 · FD 10.9 · SD 8.0	UTG / UTG	SB R3 / BB D	F	F / F	F
Q9s	4	58/41/31	45	33	P 32.4 · FD 10.9 · SD 4.7	UTG+1 / UTG+1	SB R3 / BB D	Limp	F / F	F
Q8s	4	56/38/29	43	32	P 32.4 · FD 10.9	HJ / HJ	SB R3 / BB D	F	F / F	F
Q7s	4	54/36/27	41	30	P 32.4 · FD 10.9	CO / CO	SB R3 / BB D	F	F / F	F
Q6s	4	54/35/27	41	30	P 32.4 · FD 10.9	CO / CO	SB R3 / BB D	F	F / F	F
Q5s	4	53/35/26	40	30	P 32.4 · FD 10.9	BTN / BTN	SB R3 / BB D	F	F / F	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
Q4s	4	52/33/27	39	30	P 32.4 · FD 10.9	— / —	SB F / BB D	F	F / F	F
Q3s	4	51/33/24	39	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
Q2s	4	50/32/24	38	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit queen hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
QJo	12	58/42/32	47	31	P 32.4 · SD 7.3	MP / MP	SB R3 / BB D	F	F / F	F
QTo	12	57/41/31	45	31	P 32.4 · SD 8.0	HJ / HJ	SB R3 / BB D	F	F / F	F
Q9o	12	55/37/29	42	29	P 32.4 · SD 4.7	CO / CO	SB R3 / BB D	F	F / F	F
Q8o	12	54/36/27	39	28	P 32.4	— / —	SB F / BB D	F	F / F	F
Q7o	12	52/34/23	38	26	P 32.4	— / —	SB F / BB F	F	F / F	F
Q6o	12	51/31/23	37	26	P 32.4	— / —	SB F / BB F	F	F / F	F
Q5o	12	50/30/22	37	26	P 32.4	— / —	SB F / BB F	F	F / F	F
Q4o	12	49/30/21	36	26	P 32.4	— / —	SB F / BB F	F	F / F	F
Q3o	12	48/30/21	35	26	P 32.4	— / —	SB F / BB F	F	F / F	F
Q2o	12	47/30/20	35	25	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited jack hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
JTs	4	58/42/34	46	35	P 32.4 · FD 10.9 · SD 11.0	UTG / UTG	SB R3 / BB D	Iso	C / C	F
J9s	4	56/40/31	43	34	P 32.4 · FD 10.9 · SD 8.0	UTG+1 / UTG+1	SB R3 / BB D	Limp	F / F	F
J8s	4	54/38/28	41	32	P 32.4 · FD 10.9 · SD 5.3	HJ / HJ	SB R3 / BB D	F	F / F	F
J7s	4	52/35/27	40	31	P 32.4 · FD 10.9	CO / CO	SB R3 / BB D	F	F / F	F
J6s	4	50/33/25	38	30	P 32.4 · FD 10.9	— / —	SB F / BB D	F	F / F	F
J5s	4	50/33/24	38	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
J4s	4	49/31/23	38	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
J3s	4	48/31/24	37	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
J2s	4	47/31/22	36	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit jack hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
JTo	12	55/39/31	43	32	P 32.4 · SD 11.0	HJ / HJ	SB R3 / BB D	F	F / F	F
J9o	12	53/37/28	40	30	P 32.4 · SD 8.0	CO / CO	SB R3 / BB D	F	F / F	F
J8o	12	52/33/25	38	28	P 32.4 · SD 5.3	— / —	SB F / BB D	F	F / F	F
J7o	12	50/32/23	36	27	P 32.4	— / —	SB F / BB F	F	F / F	F
J6o	12	48/30/22	35	26	P 32.4	— / —	SB F / BB F	F	F / F	F
J5o	12	47/30/20	35	26	P 32.4	— / —	SB F / BB F	F	F / F	F
J4o	12	46/28/21	34	25	P 32.4	— / —	SB F / BB F	F	F / F	F
J3o	12	45/27/20	33	25	P 32.4	— / —	SB F / BB F	F	F / F	F
J2o	12	44/26/19	33	25	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited ten hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
T9s	4	54/39/31	42	35	P 32.4 · FD 10.9 · SD 11.0	UTG+1 / UTG+1	SB R3 / BB D	Limp	C / F	F
T8s	4	52/35/29	41	34	P 32.4 · FD 10.9 · SD 8.7	MP / MP	SB R3 / BB D	Limp	F / F	F
T7s	4	51/34/26	39	32	P 32.4 · FD 10.9 · SD 5.6	CO / CO	SB R3 / BB D	F	F / F	F
T6s	4	49/34/24	38	31	P 32.4 · FD 10.9	— / —	SB F / BB D	F	F / F	F
T5s	4	47/31/23	37	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
T4s	4	46/30/22	36	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
T3s	4	46/30/21	36	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
T2s	4	45/29/22	35	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit ten hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
T9o	12	52/36/28	39	32	P 32.4 · SD 11.0	CO / CO	SB R3 / BB D	F	F / F	F
T8o	12	50/34/25	37	30	P 32.4 · SD 8.7	— / —	SB F / BB D	F	F / F	F
T7o	12	48/32/23	36	28	P 32.4 · SD 5.6	— / —	SB F / BB F	F	F / F	F
T6o	12	46/29/22	35	27	P 32.4	— / —	SB F / BB F	F	F / F	F
T5o	12	44/28/19	33	26	P 32.4	— / —	SB F / BB F	F	F / F	F
T4o	12	44/27/19	33	26	P 32.4	— / —	SB F / BB F	F	F / F	F
T3o	12	43/27/19	32	26	P 32.4	— / —	SB F / BB F	F	F / F	F
T2o	12	42/26/17	31	25	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited nine hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
98s	4	51/36/29	40	34	P 32.4 · FD 10.9 · SD 11.0	UTG+1 / MP	SB R3 / BB D	Limp	C / F	F
97s	4	49/34/26	39	33	P 32.4 · FD 10.9 · SD 8.7	HJ / HJ	SB R3 / BB D	Limp	F / F	F
96s	4	47/32/25	38	32	P 32.4 · FD 10.9 · SD 5.6	CO / CO	SB R3 / BB D	F	F / F	F
95s	4	46/31/24	37	31	P 32.4 · FD 10.9	— / —	SB F / BB D	F	F / F	F
94s	4	44/28/21	35	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
93s	4	43/28/20	35	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
92s	4	42/26/22	34	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit nine hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
98o	12	48/32/26	37	31	P 32.4 · SD 11.0	BTN / BTN	SB F / BB D	F	F / F	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
97o	12	46/31/23	36	29	P 32.4 · SD 8.7	— / —	SB F / BB D	F	F / F	F
96o	12	44/29/21	35	28	P 32.4 · SD 5.6	— / —	SB F / BB F	F	F / F	F
95o	12	43/26/18	33	27	P 32.4	— / —	SB F / BB F	F	F / F	F
94o	12	41/25/17	31	26	P 32.4	— / —	SB F / BB F	F	F / F	F
93o	12	40/24/16	31	26	P 32.4	— / —	SB F / BB F	F	F / F	F
92o	12	39/23/15	30	25	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited eight hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
87s	4	48/33/25	40	33	P 32.4 · FD 10.9 · SD 11.0	MP / HJ	SB R3 / BB D	Limp	C / F	F
86s	4	46/31/24	39	32	P 32.4 · FD 10.9 · SD 8.7	HJ / HJ	SB R3 / BB D	Limp	F / F	F
85s	4	44/29/24	37	31	P 32.4 · FD 10.9 · SD 5.6	— / —	SB F / BB D	F	F / F	F
84s	4	43/28/22	36	30	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
83s	4	41/26/19	34	28	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
82s	4	40/26/19	34	28	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit eight hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
87o	12	45/30/23	37	30	P 32.4 · SD 11.0	— / —	SB F / BB D	F	F / F	F
86o	12	43/29/21	35	28	P 32.4 · SD 8.7	— / —	SB F / BB F	F	F / F	F
85o	12	41/25/19	34	28	P 32.4 · SD 5.6	— / —	SB F / BB F	F	F / F	F
84o	12	39/25/17	32	26	P 32.4	— / —	SB F / BB F	F	F / F	F
83o	12	38/23/16	30	24	P 32.4	— / —	SB F / BB F	F	F / F	F
82o	12	37/22/15	30	25	P 32.4	— / —	SB F / BB F	F	F / F	F

**Suited seven hands**

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
76s	4	45/32/25	39	32	P 32.4 · FD 10.9 · SD 11.0	MP / HJ	SB R3 / BB D	Limp	C / F	F
75s	4	44/30/24	38	32	P 32.4 · FD 10.9 · SD 8.7	CO / CO	SB R3 / BB D	Limp	F / F	F
74s	4	42/28/21	36	30	P 32.4 · FD 10.9 · SD 5.3	— / —	SB F / BB D	F	F / F	F
73s	4	40/27/20	35	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F
72s	4	38/25/18	33	28	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit seven hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
76o	12	42/30/22	36	29	P 32.4 · SD 11.0	— / —	SB F / BB D	F	F / F	F
75o	12	40/26/20	34	28	P 32.4 · SD 8.7	— / —	SB F / BB F	F	F / F	F
74o	12	38/25/17	33	26	P 32.4 · SD 5.3	— / —	SB F / BB F	F	F / F	F
73o	12	37/22/15	31	25	P 32.4	— / —	SB F / BB F	F	F / F	F
72o	12	35/20/14	29	24	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited six hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
65s	4	43/31/24	38	33	P 32.4 · FD 10.9 · SD 11.0	HJ / HJ	SB R3 / BB D	Limp	F / F	F
64s	4	41/29/23	37	32	P 32.4 · FD 10.9 · SD 8.0	BTN / BTN	SB R3 / BB D	F	F / F	F
63s	4	40/27/20	35	30	P 32.4 · FD 10.9 · SD 4.7	— / —	SB F / BB D	F	F / F	F
62s	4	38/25/19	34	29	P 32.4 · FD 10.9	— / —	SB F / BB F	F	F / F	F

Offsuit six hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
65o	12	40/28/20	35	30	P 32.4 · SD 11.0	— / —	SB F / BB F	F	F / F	F
64o	12	38/25/18	34	28	P 32.4 · SD 8.0	— / —	SB F / BB F	F	F / F	F



Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
63o	12	36/23/17	32	27	P 32.4 · SD 4.7	— / —	SB F / BB F	F	F / F	F
62o	12	34/20/14	30	25	P 32.4	— / —	SB F / BB F	F	F / F	F

Suited five hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
54s	4	41/28/22	38	33	P 32.4 · FD 10.9 · SD 11.0	CO / CO	SB R3 / BB D	Limp	F / F	F
53s	4	40/27/22	36	32	P 32.4 · FD 10.9 · SD 8.0	— / —	SB F / BB D	F	F / F	F
52s	4	38/25/19	35	30	P 32.4 · FD 10.9 · SD 4.7	— / —	SB F / BB F	F	F / F	F

Offsuit five hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
54o	12	38/24/19	34	30	P 32.4 · SD 11.0	— / —	SB F / BB F	F	F / F	F
53o	12	36/24/16	33	28	P 32.4 · SD 8.0	— / —	SB F / BB F	F	F / F	F
52o	12	34/22/16	31	27	P 32.4 · SD 4.7	— / —	SB F / BB F	F	F / F	F

Suited four hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
43s	4	39/27/20	36	31	P 32.4 · FD 10.9 · SD 7.3	— / —	SB F / BB D	F	F / F	F
42s	4	37/24/18	34	30	P 32.4 · FD 10.9 · SD 4.3	— / —	SB F / BB F	F	F / F	F

Offsuit four hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
43o	12	35/22/15	32	28	P 32.4 · SD 7.3	— / —	SB F / BB F	F	F / F	F
42o	12	33/20/14	30	26	P 32.4 · SD 4.3	— / —	SB F / BB F	F	F / F	F

Suited three hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
32s	4	36/24/18	34	30	P 32.4 · FD 10.9 · SD 3.7	— / —	SB F / BB F	F	F / F	F



Offsuit three hands

Hand	C	vs 1/2/3 rnd	vs call	vs raise	Flop odds %	Open from 100/50bb	Blinds	vs limp	vs raise 100/50	vs 3B
32o	12	32/20/14	30	26	P 32.4 · SD 3.7	— / —	SB F / BB F	F	F / F	F

2. Group takeaways [Computed + Approx.]

Group	Key numbers	Early-stage use
Big pairs (QQ+)	80–85% vs 1, 53.8–64.0% vs 3	Raise/3-bet/4-bet; still careful with one pair postflop vs big action
Middle pairs (77–JJ)	Set 11.8%; JJ 57.7% vs a raise range	Open; call raises; JJ 3-bet vs late, call vs early; fold to 4-bets
Small pairs (22–66)	Set 11.8%; 22 only 22.1% vs 3	Set-mine at 15–20× stacks; limp behind; fold to 3-bets
AK / AQ	AKo 55.8% vs a raise range; AQo 48.7%	AK 3-bet/4-bet; AQo call vs late, fold vs tight 3-bets
Suited aces	A5s 10.9% FD, nut flush	Open late, over-limp, call raises IP at 100bb only
Suited connectors	87s SD 11.0%, FD 10.9%	Late opens, limp behind, call IP deep; fold at 50bb vs raises
Offsuit broadways	KQo 37.1% vs a raise; KJo 32.3%	Open; fold KJo/QJo vs early raises (dominated)
Offsuit trash	72o 34.7% vs 1, 14.2% vs 3	Fold (BTN/SB steals only with the better ones)

3. Scenario tables [Computed equities · Approx. options]

3a. Equity of key hands vs scenario ranges

Hand	Limper (loose)	EP raise	LP raise (BTN/CO ~35%)	3-bet (micro, tight)	BB defend vs SB
AA	85.5	84.5	84.9	81.6	85.3
KK	78.3	73.2	77.3	62.9	79.2
QQ	73.8	64.9	72.5	49.4	75.3
JJ	70.2	57.7	68.2	39.7	71.7
TT	66.9	52.4	64.2	35.6	68.4
88	59.7	44.8	57.0	35.0	61.1
55	52.8	39.8	49.6	34.9	53.3
22	46.6	38.1	44.0	33.3	47.2
AKs	66.1	57.9	64.0	44.2	66.3
AKo	64.4	55.8	62.2	41.1	64.5
AQs	63.7	51.3	61.2	32.2	64.4
AQo	61.8	48.7	59.1	28.3	62.5
AJs	61.7	43.6	58.6	28.7	62.5
AJo	59.7	40.5	56.4	24.6	60.5
ATo	57.7	35.5	53.8	24.7	58.7
A5s	50.1	36.8	46.2	29.6	51.8
KQs	55.3	40.4	52.8	28.7	57.5



Hand	Limper (loose)	EP raise	LP raise (BTN/CO ~35%)	3-bet (micro, tight)	BB defend vs SB
KQo	52.9	37.1	50.2	24.5	55.2
KJo	50.9	32.3	47.6	23.7	53.3
QJs	49.6	34.4	46.7	28.9	52.2
JTs	46.0	35.2	42.6	28.4	48.3
T9s	42.1	35.1	40.3	29.1	44.2
87s	40.0	33.1	38.2	30.2	39.9
65s	38.5	32.8	37.3	30.6	38.7
K9o	45.9	30.1	41.3	22.2	48.7
Q9o	42.0	29.2	38.4	23.6	45.1

Ranges: 3-bet = JJ+, AKs, AKo, AQs; EP raise = 77+, ATs+, KJs+, QJs, AJo+, KQo; LP raise ≈ 35%; BB defend vs SB ≈ 50%; limper = the loose calling range above.

3b. Facing one limper [Approx.]

Hand type	Option	Why (equity vs limper)
Premiums, AJ+, KQ, 77+	Iso to 4bb (5bb OOP)	AJo 59.7%, 88 59.7% vs the limper
Small pairs, suited aces, suited connectors	Limp behind (or iso on BTN)	Implied odds; 55 52.8%, 87s 40.0%
Offsuit trash, weak K-x/Q-x	Fold	K9o 45.9% and dominated

3c. Facing two limpers [Computed vs 2 loose ranges]

Hand	Equity vs 2 limpers	Option
AA	72.2%	Iso to 6bb
KK	63.3%	Iso to 6bb
JJ	52.5%	Iso to 6bb
88	40.7%	Iso to 6bb
22	28.7%	Limp behind
AKo	44.9%	Iso to 6bb
AJo	39.7%	Iso to 6bb
KQo	35.1%	Fold / check BB
A5s	33.2%	Limp behind
JTs	32.6%	Limp behind
87s	29.5%	Limp behind
K9o	28.9%	Fold / check BB

3d. Facing a raise from early vs late position [Approx.]

Hand	vs EP raise	vs LP raise	Option vs EP	Option vs LP
AA	84.5%	84.9%	3B	3B
KK	73.2%	77.3%	3B	3B
QQ	64.9%	72.5%	3B	3B
JJ	57.7%	68.2%	C	3B
TT	52.4%	64.2%	C	3B
88	44.8%	57.0%	C	C
55	39.8%	49.6%	C	C



Hand	vs EP raise	vs LP raise	Option vs EP	Option vs LP
22	38.1%	44.0%	C	C
AKs	57.9%	64.0%	3B	3B
AKo	55.8%	62.2%	3B	3B
AQs	51.3%	61.2%	C	3B
AQo	48.7%	59.1%	C	3B
AJs	43.6%	58.6%	C	3B
AJo	40.5%	56.4%	F	C
ATo	35.5%	53.8%	F	C
A5s	36.8%	46.2%	C	C
KQs	40.4%	52.8%	C	3B
KQo	37.1%	50.2%	F	C
KJo	32.3%	47.6%	F	C
QJs	34.4%	46.7%	C	C
JTs	35.2%	42.6%	C	C
T9s	35.1%	40.3%	C	C
87s	33.1%	38.2%	C	C
65s	32.8%	37.3%	F	F
K9o	30.1%	41.3%	F	F
Q9o	29.2%	38.4%	F	F

3e. Facing a 3-bet (100bb) [Approx.]

Hand	Equity vs a micro 3-bet range	Option
AA	81.6%	4B / get in
KK	62.9%	4B / get in
QQ	49.4%	4B / get in
JJ	39.7%	Call IP (fold OOP to big sizing)
TT	35.6%	Call IP (fold OOP to big sizing)
88	35.0%	Fold
55	34.9%	Fold
22	33.3%	Fold
AKs	44.2%	4B / get in
AKo	41.1%	4B / get in
AQs	32.2%	Call IP (fold OOP to big sizing)
AQo	28.3%	Fold
AJs	28.7%	Fold
AJo	24.6%	Fold
ATo	24.7%	Fold
A5s	29.6%	Fold
KQs	28.7%	Fold
KQo	24.5%	Fold
KJo	23.7%	Fold



Hand	Equity vs a micro 3-bet range	Option
QJs	28.9%	Fold
JTs	28.4%	Fold
T9s	29.1%	Fold
87s	30.2%	Fold
65s	30.6%	Fold
K9o	22.2%	Fold
Q9o	23.6%	Fold

3f. Squeeze spots [Computed vs two opponents, Approx. options]

Open + one caller, you're on the BTN or in the blinds. Equity vs two players (raiser + caller, approximated with one blended range):

Hand	Equity 3-way	Option
AA	71.1%	Squeeze to ~11-12bb
KK	59.0%	Squeeze to ~11-12bb
JJ	45.6%	Squeeze to ~11-12bb
88	35.6%	Call (implied odds)
22	23.5%	Call (implied odds)
AKo	37.0%	Squeeze to ~11-12bb
AJo	29.5%	Fold
KQo	28.5%	Fold
A5s	26.7%	Call (implied odds)
JTs	29.7%	Call (implied odds)
87s	27.2%	Call (implied odds)
K9o	25.1%	Fold

Early stage: squeeze for value only (QQ+, AK, JJ vs loose openers). Bluff-squeezes are rarely needed vs micro fields that call too much.

3g. Blind vs blind [Computed vs BB defend range, Approx. options]

Hand	Equity vs BB defend	SB option
AA	85.3%	Raise 3bb
KK	79.2%	Raise 3bb
QQ	75.3%	Raise 3bb
JJ	71.7%	Raise 3bb
TT	68.4%	Raise 3bb
88	61.1%	Raise 3bb
55	53.3%	Raise 3bb
22	47.2%	Raise 3bb
AKs	66.3%	Raise 3bb
AKo	64.5%	Raise 3bb
AQs	64.4%	Raise 3bb
AQo	62.5%	Raise 3bb



Hand	Equity vs BB defend	SB option
AJs	62.5%	Raise 3bb
AJo	60.5%	Raise 3bb
ATo	58.7%	Raise 3bb
A5s	51.8%	Raise 3bb
KQs	57.5%	Raise 3bb
KQo	55.2%	Raise 3bb
KJo	53.3%	Raise 3bb
QJs	52.2%	Raise 3bb
JTs	48.3%	Raise 3bb
T9s	44.2%	Raise 3bb
87s	39.9%	Raise 3bb
65s	38.7%	Raise 3bb
K9o	48.7%	Raise 3bb
Q9o	45.1%	Raise 3bb

BB vs SB raise: defend wide (you need $2 \div 6 = 33.3\%$ vs a 3bb raise before position), 3-bet strong hands for value (TT+, AQ+, KQs).

4. Walkthroughs [Computed equities vs stated ranges]

1. UTG opens 2.5bb with 99 at 100bb; BTN calls, flop J-7-3. Hero 9h 9d on Jc 7s 3d vs *BTN flat range: 56.5%*. 99 vs the BTN's flat range on J-7-3: 56.5%. Check-call one bet or bet small once; don't build a big pot.

2. HJ isolates a limper with KJo, flop K-8-2. Hero Kh Jd on Kc 8s 2d vs *Limper: 81.6%*. KJo top pair vs the limper on K-8-2: 81.6%. Bet for value on all three streets vs a passive player.

3. CO over-limps 44 behind two limpers, flop 9-4-2. Hero 4h 4d on 9c 4s 2d vs *Each limper (vs 1 shown): 95.1%*. 44 flops a set on 9-4-2: 95.1% vs one limper's range. Bet big; multiway pots pay sets.

4. BTN calls an EP raise with KQs, flop Q-9-5. Hero Kh Qh on Qc 9s 5d vs *EP raise range: 66.2%*. KQs top pair, good kicker vs an EP range on Q-9-5: 66.2%. Value, but fold to a big check-raise from a nit.

5. SB 3-bets QQ vs CO open; CO 4-bets. Hero Qh Qd vs *CO 4-bet (micro): 40.2%*. QQ vs a micro 4-bet range (KK+, AK): 40.2%. Early stage: fold to the 4-bet, or call only if 4-bets are known to be loose.

6. BB defends 76s vs BTN min-raise, flop 8-5-2. Hero 7h 6h on 8c 5s 2d vs *BTN range: 43.5%*. 76s vs BTN on 8-5-2 (open-ender): 43.5%. Check-call; check-raise vs frequent c-bettors.

7. UTG+1 opens AQo, MP 3-bets. Hero Ah Qd vs *MP 3-bet range: 29.4%*. AQo vs a tight 3-bet range: 29.4%. Fold.

8. MP opens ATo, BTN calls, flop A-9-4. Hero Ah Td on As 9c 4d vs *BTN flat: 76.6%*. ATo top pair on A-9-4 vs the BTN flat: 76.6%. Two streets of value; careful vs raises.

9. BTN squeezes AKs vs HJ open + CO call (vs 4-bet range). Hero Ah Kh vs *4-bet range: 41.9%*. AKs vs a 4-bet range after squeezing: 41.9%. Early, fold to a 5-bet jam from unknowns (need ~55.6% in ICM terms).



- 10. SB limps 65s vs BB, BB checks, flop 6-3-2.** Hero 6h 5h on 6c 3s 2d vs *BB random*: **71.3%**. 65s in a limped BvB pot flops two pair on 6-3-2: 71.3% vs the BB's random range. Bet for value.
- 11. BB vs SB raise with K9o.** Hero Kh 9d vs *SB open ~45%*: **45.5%**. K9o in the BB vs an SB 3bb raise: 45.5% vs a ~45% range; need 33.3% → defend.
- 12. CO opens 87s, BB check-raises on 8-6-3.** Hero 8h 7h on 8c 6s 3d vs *BB check-raise*: **32.3%**. 87s top pair facing a BB check-raise on 8-6-3: 32.3%. Fold, or call only if very deep vs a bluffing player.
- 13. HJ opens JJ, cold 4-bet jam from SB (100bb).** Hero Jh Jd vs *SB jam*: **36.4%**. JJ vs a cold 4-bet jam (QQ+, AK): 36.4%. Fold early.
- 14. BTN raises A5s vs 2 limpers; one calls; flop K-7-3 with two hearts.** Hero Ah 5h on Kh 7h 3c vs *limper*: **59.8%**. A5s with the nut flush draw vs a limper on K-7-3 (two hearts): 59.8%. Bet/raise; you have equity and fold equity.
- 15. UTG opens TT, faces 3-bet from CO and calls; flop A-8-2.** Hero Th Td on Ac 8s 2d vs *CO 3-bet*: **8.0%**. TT on A-8-2 after calling a 3-bet: 8.0% vs the 3-bettor's range. Check-fold.

5. Drills: 30 spots

1. Combos of AKo?
2. Combos of 77?
3. Combos of JTs?
4. AA vs 3 random hands?
5. 22 vs 3 random hands?
6. 87s vs 2 random hands?
7. 72o vs 1 random hand?
8. JJ vs the early raise range?
9. AQo vs the early raise range?
10. KJo vs the early raise range?
11. Set or better with any pair on the flop?
12. Unpaired hand pairs a hole card?
13. Suited hand flops a flush draw?
14. 87s flops a straight draw or straight?
15. First seat to open 22 at 100bb?
16. First seat to open 22 at 50bb?
17. First seat to open 87s at 100bb?
18. First seat to open KTo?
19. vs a limper with ATo?
20. vs a limper with 65s?
21. vs an EP raise with 55 at 100bb?
22. Same at 50bb?
23. vs a raise with JJ?
24. vs a 3-bet with AQs?
25. AKo vs a 3-bet: action?
26. 88 vs 2 limpers equity?
27. AA squeezing vs two players?
28. BB needs vs a 3bb SB raise?



29. K9o BB vs SB raise equity?

30. TT after calling a 3-bet on A-8-2?

Answers

1. 12. · **2.** 6. · **3.** 4. · **4.** 64.0%. · **5.** 22.1%. · **6.** 33.4%. · **7.** 34.7%. · **8.** 57.7%. · **9.** 48.7%. · **10.** 32.3%. · **11.** 11.8%. · **12.** 32.4%. · **13.** 10.9%. · **14.** 11.0%. · **15.** UTG. · **16.** MP. · **17.** MP. · **18.** HJ. · **19.** Iso. · **20.** Limp behind. · **21.** C. · **22.** F. · **23.** 3B/C: 3-bet vs late, call vs early. · **24.** Call (IP, 100bb). · **25.** 4-bet. · **26.** 40.7%. · **27.** 71.1%. · **28.** 33.3%. · **29.** 45.5%: defend. · **30.** 8.0%: check-fold.

Equities are computed; ranges and recommended actions are approximate guidelines, not solver output. This guide is for study away from the table, not for real-time use during play.



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