Episode 304: Analyzing a 4B pot played by Bart

5/10/25/50/100

HJ [11.8K] opens \$350, folds to Bart SB [25k] QsQh he 3B to \$1500, the third blind [22.1k] 4B to \$3.4k, HJ folds, he calls (7200)

FLOP: Jh 2d 8d, he checks, villain cbets \$2.3k, he calls. (11800) TURN: 8s, he X, villain bets \$3.7k, he calls. (19200) RIVER: Th, he X, he shoves \$12.7k..

Preflop Precautions:

- Solvers are very sensitive with your inputs, especially in narrow configuration spots where adding and removing combos will drastically change the result of your sims
- Ex: our presolved ranges in this spot does not have JJ in either players ranges
 - For discussion purposes, both players will have JJ in their ranges which is more accurate to reality anyways in this spot

АА		AKs		AQs		AJs		ATs		A9s	I	A8s	A7s	S	AG	òs	A5	s	A4s		A3s		A2s	
	1		1	0.07	4	(נ	(ן כ	0		0		0		0		0.622		0		0		0
AKo		KK		KQs		KJs		KTs		K9s	T	K8s	K7s	s	K6	is .	K5	S	K4s		K3s		K2s	
	1		1	(0	(נ	() כ	0		0		0		0		0		0		0		0
AQo		KQo		QQ		QJs		QTs		Q9s		Q8s	Q7	s	Q	6s	Q5	s	Q4s		Q3s		Q2s	
	0		0	0.99	4	()	(D	0)	0		0		0		0		0		0		0
AJo		KJo		QJo		JJ		JTs		J9s			J7s		J6		J5		J4s		J3s		J2s	
	0		0	(0	0.38	3	(D	0)	0		0		0		0		0		0		0
ATo		КТо		QTo		JTo		TT		T9s		T8s	T7:		T6		T5		T4s		T3s		T2s	
	0		0		0	()	(כ	0)	0		0		0		0		0		0		0
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	0		0		0)		כ	0		0		0		0		0		0		0		0
A8o		K8o		Q8o		J8o		Т8о		980			87s		86		85		84s		83s		82s	
	0		0		0	(D)			0.654		0		0		0		0		0
A7o		K7o		Q7o		J7o		Т7о		970		870	77		76		75		74s		73s		72s	
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A6o		K6o		Q6o		J6o		Т6о		960		860	760		66		65		64s		63s		62s	
	0		0		0		ן)	0	1	0		0		0		0.992		0		0		0
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	0		0		0)		D	0		0		0		0		0		0		0		0
A4o		K4o		Q4o		J4o		T40		940		840	740		64		54		44		43s		42s	
	0		0		0)		כ	0	1	0	_	0		0		0		0		0		0
A3o		K3o		Q3o		J30		T30		930			730		63		53		43o		33		32s	
	0		0		0)		כ	0	_	0		0		0		0		0		0		0
A2o		K2o	_	Q2o		J2o		T20		920		820	720		62		520		42o		32o		22	~
	0		0		U	(J	(ן	0)	0		0		0		0		0		0		0

Big Blind Cold 4-Betting Range:

AA		AKs		AQs		AJs		ATs		A9s		A8s		A7s		A6s		A5s	A4s		A3s		A2s	
	0	0.	652		0		0		0		0		0		0		0	0.512	0.	164		0		0
АКо		КК		KQs		KJs		KTs		K9s		K8s		K7s		K6s		K5s	K4s		K3s		K2s	
0).224		0		0		0		0		0		0		0		0	0		0		0		0
AQo		KQo		QQ		QJs		QTs		Q9s		Q8s		Q7s		Q6s		Q5s	Q4s		Q3s		Q2s	
)	0		0		442		296		284		0		0		0		0	0		0		0		0
- AJo		KJo	~	QJo	~	JJ		JTs		J9s		J8s		J7s		J6s		J5s	J4s	~	J3s	~	J2s	
	0		0		0		0.38).13		0		0		0		0	0		0		0		0
- ATo		KTo	~	QTo	~	JTo	~	TT		T9s	~ ~ ~	T8s	~	T7s	~	T6s		T5s	T4s	~	T3s	~	T2s	
	0		0		0		0	0.	332		.244		0		0		0	0		0		0		0
A9o	0	K9o	0	Q90	0	J9o	0	T9o	0	99	202	98s	0	97s	0	96s	0	95s 0	94s	0	93s	0	92s	
:. 		K80	0	Q80	0	J80		T80		980	.202	88	0	87s		86s	-	85s	84s	0	83s	0	82s	0
A80	0		0	480	0	180	0		0			88	20		.018		0	805 ()		0	838	0	828	0
P A7o		K70	0	Q70	0	J70		T7o		97o		870		77		76s	-	75s	74s	0	73s	0	72s	
- 4/0	0		0		0		0		0		0				0.23					0	735	0	125	0
A6o		K6o		Q60		J6o		T6o	0	96o		86o		760		66	-	65s	64s		63s	0	62s	
	0		0		0		0	100	0		0			/		0.07			045	0		0	020	0
A5o		K50		Q5o		J5o		T5o		95o		85o		75o		650	-	55	54s		53s		52s	
	0		0		0		0		0		0		0		0		0	0		0		0		0
A4o		K4o		Q4o		J4o		T4o		940		84o		74o		640	Ť	540	44	-	43s		42s	
i	0		0		0		0		0		0		0		0		0	0		0		0		0
A3o		K3o		Q3o		J3o		ТЗо		93o		83o		73o		63o		530	43o		33		32s	
r	0		0		0		0		0		0		0		0		0	0		0		0		0
A2o		K2o		Q2o		J2o		T2o		92o		82o		72o		62o		52o	42o		32o		22	
	0		0		0		0		0		0		0		0		0	0		0		0		0
A2o		K2o		Q2o		J2o		T2o				820	-	720		62o	Ĭ	520	42o			-	22	

SB Callback Range to BB Cold 4-Bet:

Flop Analysis

- Huge overpair adv, composing nearly 41% of IPs range, even with top of range disadv still good enough for IP to close to range cbet for ¹/₃ or even half pot sizing due to that overpair adv
- Barts Strategy to the ¹/₃ sizing will be defending any pair, looking to XR QdQx over other combos

	J♥ 8♦ 2♦ 7200 (9576) Starti	ng Stacks:1		i	RAISE 6320 CALL FOLD												RAISE 113 RAISE 835 RAISE 632 CALL FOLD	340 0. 52 0. 20 17. 59. 21.
٩A	AKs	AQs	AJs	ATs	A9s	A8s	A7s	A6s	A5s	A4s	A3s	A2s	R 11340 0.1 c 0.32 %	R 8352 0.1 c 0.34 %	4.0	с	CALL 13.3 c 58.29 %	FOLD 5.4 c 23.65 %
Ko	КК	KQs	KJs	KTs	K9s	K8s	K7s	K6s	K5s	K4s	K3s	K2s	* * * *		Clone:	Range: Equity		Range Explore Strategy + EV
Qo	KQo	QQ	QJs	QTs	Q9s	Q8s	Q7s	Q6s	Q5s	Q4s	Q3s	Q2s	OOP Strategy		zoom	IP IP	OOP IP esh on new selection	Strategy
Jo	KJo	QJo	JJ	JTs	J9s	J8s	J7s	J6s	J5s	J4s	J3s	J2s	1			nor	are size proportional malize squares s width proportional to	-
То	КТо	QTo	JTo	TT	T9s	T8s	T7s	T6s	T5s	T4s	T3s	T2s			Q		Q♥	Q
90	K9o	Q9o	J90	T90	99	98s	97s	96s	95s	94s	93s	92s		·				
80	K8o	Q8o	J8o	T80	980	88	87s	86s	85s	84s	83s	82s	- R 11340	0.004	R 11340	0.011	R 1134	
70	K7o	Q7o	J7o	T70	970	870	77	76s	75s	74s	73s	72s	R 8352 R 6320	0.002 0.006	R 8352 R 6320	0.015 0.413	R 8352 R 6320	0.0 0.3
60	K6o	Q6o	J6o	T6o	960	860	760	66	65s	64s	63s	62s	CALL FOLD	0.986 0.001	CALL FOLD	0.561 0.001	CALL FOLD	0.6
50	K5o	Q5o	J5o	T50	950	850	750	650	55	54s	53s	52s		〕 ♣	QV	Q 🌳	Q♦	Q
40	K4o	Q4o	J4o	T40	940	840	740	640	540	44	43s	42s						
30	КЗо	Q3o	J3o	ТЗо	930	830	730	630	530	430	33	32s	R 11340 R 8352		R 11340 R 8352		R 1134 R 8352	
20	K2o	Q2o	J2o	T2o	920	820	720	620	520	420	320	22	R 6320 CALL FOLD	0.024 0.967 0.001	R 6320 CALL FOLD	0.986	R 6320 CALL FOLD	0.73 0.23 0.00

- Note JJ is XRing high freq as well

Turn Analysis

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- Turn is relatively a blank, in these ranges IP will have more trips, but still the driving adv with overpairs, coupled with the fact OOP will be XRing JJ at a high freq from the flop
 - Makes IP eq adv widens now
 - Due to that small sizings shouldnt really be a thing like IP took here for ¹/₃
 Preferred sizing is half pot at very high freq with his range
- Barts turn strategy:

	ls:cb8352 I♥ 8♦ 2♦ 8 ?7200 (17928) St						CALL FOLD										RAISE 16 RAISE 15 CALL FOLD	324 17.96 538 10.64 36.50 34.90
AA	AKs R 16324 0.083 R 15338 0.055 CALL 0.122 FOLD 0.746	AQs	AJs	ATs	A9s	A8s	A7s	A6s	A5s R 16324 0.110 R 15538 0.075 FOLD 0.750	A4s R 16324 0.145 R 15338 0.086 CALL 0.016 FOLD 0.750	A3s	A2s	RAISE 16324 1.5 combos 11.95 %		ISE 15538 0 combos 8.06 %	CALL 5.5 comb 43.43 9	os 4.7	FOLD combos 16.56 %
AKo R 16324 0.002 R 15538 0.00 CALL 0.00 FOLD 0.99	КК	KQs	KJs	KTs	K9s	K8s	K7s	K6s	K5s	K4s	K3s	K2s	* * * *			Range: Equity		lange Explorer
AQo	KQo	QQ R 16324 0.542 R 15538 0.357 CALL 0.100 FOLD 0.001	QJs R 16324 0.019 R 15538 0.012 CALL 0.953 FOLD 0.001	QTs R 16324 0.118 R 15538 0.089 CALL 0.044 FOLD 0.749	Q9s	Q8s	Q7s	Q6s	Q5s	Q4s	Q3s	Q2s	oop Strategy		full zoom	IP IP		Strategy + EV Strategy <
AJo	KJo	QJo	JJ R 16324 0.122 R 15538 0.159 CALL 0.719 FOLD 0.000	JTs R 16324 0.003 CALL 0.987 FOLD 0.003	J9s	J8s	J7s	J6s	J5s	J4s	J3s	J2s				nom	are size proportional to nalize squares width proportional to	-
ATo	KΤο	QTo	JTo	TT R 16324 0.009 R 15538 0.007 CALL 0.875 FOLD 0.109	T9s R 16324 0.004 R 1538 0.002 CALL 0.248 FOLD 0.745	T8s	T7s	T6s	T5s	T4s	T3s	T2s	Q\$(2	Q♠	Q.	QV	Q♦
A9o	K9o	Q9o	J90	Т9о	99 R 16324 0.004 R 15338 0.003 CALL 0.983 FOLD 0.011	98s	97s	96s	95s	94s	93s	92s						
A80	K8o	Q80	J8o	Т8о	980	88 R 16324 0.085 R 15538 0.097 CALL 0.819 FOLD 0.000	87s R 16324 0.444 R 15538 0.472 CALL 0.085 FOLD 0.000	86s	85s	84s	83s	82s						
A7o	K7o	Q7o	J7o	Т7о	970	870	77 R 16324 0.006 R 15338 0.005 CALL 0.727 FOLD 0.262	76s R 16324 0.002 R 15538 0.002 CALL 0.113 FOLD 0.883	75s	74s	73s	72s	R 16324 R 15538 CALL	0.516 0.306 0.176	R 16324 R 15538 CALL		R 16324 R 15538 CALL	
A6o	K6o	Q6o	J6o	Т6о	960	860	760	66 R 16324 0.001 R 15538 0.001 CALL 0.016 FOLD 0.982	65s R 16324 0.004 R 15538 0.004 CALL 0.004 FOLD 0.990	64s	63s	62s	FOLD	0.001	FOLD	0.003	FOLD	0.100
A5o	K5o	Q5o	J5o	Т5о	950	850	750	650	55	54s	53s	52s	Q A (, 	Q	Q.	Q	
A4o	K4o	Q4o	J4o	T40	940	840	740	640	540	44	43s	42s						
A3o	КЗо	Q3o	J3o	Т3о	930	830	730	630	530	430	33	32s	R 16324	0.594			R 16324	
A2o	K2o	Q20	J2o	T2o	920	820	720	620	520	420	320	22	- R 15538 CALL FOLD	0.354 0.051 0.001	R 15538 CALL FOLD		R 15538 CALL FOLD	0.402 0.058 0.001

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- QQ looking to XR all in, hand that needs protection in his range

River Analysis

- Theory for IPs shoving range, its bluff will be combos that block primary calling hands by Bart so all his AQs are primary bluffs, but checks AK mostly and A5
 - AK will have some semblance of SD, A5 doesnt really block any calls from Bart
- Another bottom of range combo that is shoved is 65s type hand
- Clear value shows are AA KK, JJ, partial QQ
- Barts River Strategy:

board	:8s:c:b8352:c:Th:c J♥ 8♦ 2♦ 8♠ 700 7200 (34252) S	T¥								FOLD								Line: CALL FOLD	1 59 40
AA	AKs CALL 0.790 FOLD 0.210	AQs	AJs	ATs	A9s	A8s	A7s	A6s	A5s CALL 0.001 FOLD 0.999	A4s CALL 0.001 FOLD 0.999	A3s	A2s	3.3 c	ALL combos 3.66 %			1.	FOLD .5 combos 31.34 %	
АКо	KK	KQs	KJs	KTs	K9s	K8s	K7s	K6s	K5s	K4s	K3s	K2s			Clone:	Range:	Equity:	EV:	
CALL 0.76 FOLD 0.23	7												* * * *		full	OOP	OOP	OOP	Range Expl Strategy +
AQo	KQo	QQ	QJs	QTs	Q9s	Q8s	Q7s	Q6s	Q5s	Q4s	Q3s	Q2s	* * * *		zoom	IP	IP	IP	Strategy +
		CALL 0.997 FOLD 0.003	CALL 0.983 FOLD 0.017	CALL 0.962 FOLD 0.038									OOP Strategy			E] refresh	on new selection	n
AJo	KJo	QJo	JJ	JTs	J9s	J8s	J7s	J6s	J5s	J4s	J3s	J2s						size proportional ze squares	to weight
			CALL 1.000 FOLD 0.000	CALL 0.473 FOLD 0.527														dth proportional t	to weight
ATo	KTo	QTo	JTo	TT	T9s	T8s	T7s	T6s	T5s	T4s	T3s	T2s							
				CALL 1.000 FOLD 0.000	CALL 0.068 FOLD 0.932								Q♠Q		Q ¢	Q		QV	Q
A9o	K9o	Q9o	J9o	Т9о	99	98s	97s	96s	95s	94s	93s	92s							
					CALL 0.068 FOLD 0.932														
A8o	K80	Q8o	J80	T80	980	88	87s	86s	85s	84s	83s	82s							
						CALL 1.000 FOLD 0.000	CALL 1.000 FOLD 0.000												
A7o	K7o	Q7o	J7o	Т7о	970	87o	77	76s	75s	74s	73s	72s							
							CALL 0.762 FOLD 0.238	CALL 0.001 FOLD 0.999					CALL 0.		CALL			CALL	0.9
A6o	K6o	Q60	J6o	Т6о	960	860	760	66	65s	64s	63s	62s	FOLD 0.	004	FOLD	0.00)3 I	FOLD	0.0
								CALL 0.003 FOLD 0.997	CALL 0.001 FOLD 0.999						\mathbf{O}				
A5o	K5o	Q5o	J5o	T5o	950	850	750	650	55	54s	53s	52s			Q.				
													_						
A4o	K4o	Q4o	J4o	T4o	940	840	740	640	540	44	43s	42s							
A3o	K3o	Q30	J3o	Т3о	930	830	730	630	53o	430	33	32s							
A2o	K2o	Q2o	J2o	T2o	92o	82o	720	620	52o	42o	32o	22	CALL 0.	997	CALL	0.99	6	CALL	0.9
													FOLD 0.	003	FOLD	0.00	14	FOLD	0.0

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