Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bcl	Ant	Bnt	Asr	Bsr	Δ	L
0_0_0	A\Q 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5 å J å Q♦ Q å	A♦	1 ICK	0	0	0	0	0	0	0	0
0_0_1	2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	A♦ 5♣ J♣ Q♦ Q♠	80		0	0	0	0	0	0	0	0
0_1_0	2♣ 6♣ 6♠	5♦ 6♦ 10♣	$A \diamondsuit 5 \clubsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	6.	5♣	1	0	0	0	0	0	0	A
0_1_1	2♣ 6♣	5♦ 6♦ 10♣	$A \diamondsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	10.	A♦	1	1	0	1	0	0	0	В
0_2_0	2♣ 6♣	5♦ 6♦	8♦ 🕹 😡 🖓	2.		1	1	0	1	0	0	0	В
0_2_1	6♣	5♦ 6♦	2♣ 8♦ J♣ Q♦ Q♠	6♦		1	1	0	1	0	0	0	В
0_3_0	6♣	5◊	2♣ 6♦ 8♦ J♣ Q♦ Q♠	6♣		1	1	0	1	0	0	0	В
0_3_1		5♦	2♣ 6♣ 6♦ 8♦ J♣ Q♦ Q♠	5♦	6♣	1	2	0	1	0	0	0	В
1.0.0	$3 \diamondsuit 5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	2♣ 6♦ 8♦ J♣ Q♦ Q♠	5♡	6◊	1	2	0	0	0	0	-1	A
1.0.1	$3 \diamondsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	2♣ 8♦ J♣ Q♦ Q♠	J♦	2 ♣ 8♦ J ♣	1	4	0	4	0	0	-1	В
1_1_0	$3 \diamondsuit 9 \clubsuit K \diamondsuit$	7♣ 9♡ 10♦	Q♦ Q♠	3♦		1	4	0	4	0	0	-1	В
1.1.1	9♣ K♦	7♣ 9♡ 10♦	$3\Diamond Q\Diamond Q \spadesuit$	10♦		1	4	0	4	0	0	-1	В
1.2.0	9♣ K♦	7♣ 9♡	$3\Diamond 10\Diamond Q\Diamond Q\spadesuit$	$K\Diamond$		1	4	0	4	0	0	-1	В
1_2_1	9♣	7♣ 9♡	$3 \diamondsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	90		1	4	0	4	0	0	-1	В
1_3_0	9♣	7♣	$3 \diamondsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	9♣		1	4	0	4	0	0	-1	В
1_3_1		7♣	$3 \diamondsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	7♣		1	4	0	4	0	0	-1	В
2.0.0	3♣ 7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$3 \diamondsuit 7 \clubsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	3♣		1	4	0	0	0	0	-5	0
2.0.1	7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$3 \clubsuit 3 \diamondsuit 7 \clubsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	$A\heartsuit$	3♣ 7♣	1	6	0	1	0	0	-5	В
2_1_0	7♠ Q♣ K♣	A♣ 2♥ K♠	$3 \diamondsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	Q.	$Q \spadesuit$	2	6	0	1	0	0	-5	A
2.1.1	7♠ K♣	A♣ 2♥ K♠	$3 \diamondsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit K \diamondsuit$	2♡	9♣	2	7	0	1	0	0	-5	В
2_2_0	7♠ K♣	$A \clubsuit K \spadesuit$	$3 \diamondsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit K \diamondsuit$	7♠		2	7	0	1	0	0	-5	В
2_2_1	$K \clubsuit$	$A \clubsuit K \spadesuit$	$3 \diamondsuit 7 \spadesuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit K \diamondsuit$	A.	10♦	2	8	0	5	0	0	-5	В
2_3_0	$K \clubsuit$	$K \spadesuit$	$3 \diamondsuit 7 \spadesuit 9 \heartsuit Q \diamondsuit K \diamondsuit$	Κ♣	$K\Diamond$	3	8	0	5	0	0	-5	A
2,3,1		K♠	3♦ 7♠ 9♥ Q♦	K♠		3	- 8	0	5	0	0	-5	A
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	3♦ 7♠ 9♥ Q♦ К♠	3♠		0	0	0	0	0	0	-10	0
3.0.1	3♥ 7♥ 9♦	4♣ 4♦ 4♠ J♡	3♦ 3♠ 7♠ 9♥ Q♦ K♠	4.	7♠	0	1	0	0	0	0	-10	В
3_1_0	3♡ 7♡ 9♦	4♦ 4♠ J♡	3♦ 3♠ 9♥ Q♦ К♠	9♦		0	1	0	0	0	0	-10	В
3_1_1	3♥ 7♥	4♦ 4♠ J♥	$3\Diamond 3 \spadesuit 9\Diamond 9 \heartsuit Q \diamondsuit K \spadesuit$	J♡	3♦ 3♠ 9♦ 9♥	0	1	0	1	0	0	-10	В
3_2_0	3♡ 7♡	4♦ 4♠	Q♦ K♠	7♡		0	1	0	1	0	0	-10	В
3_2_1	3♡	4♦ 4♠	7♥ Q♦ K♠	4♠	7♡	0	1	0	1	0	0	-10	В
3_3_0	3♡	4♦	Q◊ K♠	3♡		0	1	0	1	0	0	-10	B
3,3,1	14.04.104.100	4\$	3♥ Q♦ K♠	4♦	*// 1	0	1	0	1	0	0	-10	
4_0_0	A♠ 9♠ 10♠ K♡	2♠ 8♣ J♠ Q♡	$3 \heartsuit 4 \diamondsuit Q \diamondsuit K \spadesuit$	K♡	<i>K</i> ♠	0	0	0	0	0	0	-11	A B
4_0_1	A \$ 9 \$ 10 \$ A \$ 9 \$ 10 \$	2♠ 8♣ J♠ Q♡ 2♠ 8♣ Q♡	3♡ 4♦ Q♦	J♠ 9♠	3♡ 4♦	0	0	0	1	0	0	-11 -11	В
4_1_0	A 0 9 10 A	2♠ 8♣ Q♥	Q♦ 9♠ Q♦	9♠	9♠	0	0	0	1	0	0	-11	В
4_1_1	A♠ 10♠ A♠ 10♠	8♣ 0♥	9 \$ Q♦	10♠	3 🖷	0	0	0	1	0	0	-11	B
4.2.1	A 0 10 0	8♣ Q♡	10♠ Q♦	84		0	0	0	1	0	0	-11	В
4_3_0	A.♠	00 00	8♣ 10♠ ⊘♦	A♠	10♠	0	0	1	1	0	0	-11	A
4_3_1	Д	Q.	8 ♣ Q♦	Q.	10₩ Q◊	0	0	1	1	0	0	-11	
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	84	5♠	<u> </u>	0	0	0	0	0	0	-11	0
5_0_1	2♦ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	5♠ 8♣	4♡		0	0	0	0	0	0	-11	0
5_1_0	2♦ 6♥ 8♥	7♦ 8♠ 10♥	4♥ 5♠ 8♣	6♡	5♠	0	0	0	0	0	0	-11	A
5_1_1	2♦ 8♥	7♦ 8♠ 10♥	4♥ 8♣	10♡		0	0	0	0	0	0	-11	A
5_2_0	2♦ 8♥	7♦ 8♠	4♥ 8♣ 10♥	2♦		0	0	0	0	0	0	-11	A
5.2.1	80 80	7♦ 8♠	2♦ 4♥ 8♣ 10♥	70	4♡	0	0	0	0	0	0	-11	B
5_3_0	8♥	86	2♦ 8♣ 10♥	80	**	0	0	0	0	0	0	-11	B
5_3_1	UV .	8.	2♦ 8♣ 8♥ 10♥	8.		0	0	0	0	0	0	-11	В
CleanUp			- V V V V V V V V V V V V - V			0	1	0	0	0	0	-11	
CleanOp						1 0	1	1 0		1 0	1 0	-11	Тъ

Figure 1: Game ID = 0

Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bel	Apt	Bnt	Asr	Bsr	Δ	L
0_0_0	A♦ 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5 å J å Q◊ Q♠	$A\Diamond$		0	0	0	0	0	0	0	0
0_0_1	2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	$A \diamondsuit 5 \clubsuit J \clubsuit Q \diamondsuit Q \spadesuit$	6♦	5♣	0	1	0	0	0	0	0	В
0_1_0	2♣ 6♣ 6♠	5♦ 8♦ 10♣	$A \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	6♣		0	1	0	0	0	0	0	В
0_1_1	2♣ 6♠	5♦ 8♦ 10♣	A♦ 6♣ J♣ Q♦ O♠	8♦		0	1	0	0	0	0	0	В
0.2.0	2♣ 6♠	5♦ 10♣	$A \diamondsuit 6 \clubsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	6♠		0	1	0	0	0	0	0	В
0.2.1	2.	5♦ 10♣	$A \diamondsuit 6 \clubsuit 6 \spadesuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	10.	<i>A</i> ◊	- 0	2	0	1	0	0	0	В
0.3.0	2♣	5◊	6♣ 6♠ 8♦ J♣ Q♦ Q♠	2♣		0	2	0	1	0	0	0	В
0_3_1		5◊	2♣ 6♣ 6♠ 8♦ J♣ Q♦ Q♠	5♦	6♠	- 0	2	0	1	0	0	-0	В
1_0_0	$3 \diamondsuit 5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	2♣ 6♣ 8♦ J♣ Q♦ Q♠	3♦	2♣ 6♣	2	2	2	0	0	0	-1	A
1_0_1	$5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	8♦ J♣ Q♦ Q♠	7.		2	2	2	0	0	0	-1	A
1_1_0	5♥ 9♣ K♦	9♥ 10♦ Ј♦	7♣ 8♦ J♣ Q ♦ Q♠	$K\Diamond$		2	2	2	0	0	0	-1	A
1.1.1	5♥ 9♣	9♥ 10♦ Ј♦	$7 \clubsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	9♡		2	2	2	0	0	0	-1	A
1.2.0	5♡ 9♣	$10 \diamondsuit J \diamondsuit$	7 ♣ 8♦ 9♥ J ♣ Q♦ Q♠ K♦	5♡		2	2	2	0	0	0	-1	A
1,2,1	9♣	$10 \diamondsuit J \diamondsuit$	5♥ 7♣ 8♦ 9♥ J♣ Q♦ Q♠ K♦	$J\Diamond$	5♡ 7♣ 8♦ 9♡ J♣	2	4	2	2	0	0	-1	В
1_3_0	9♣	10♦	$Q \diamondsuit Q \spadesuit K \diamondsuit$	9♣		2	4	2	2	0	0	-1	В
1_3_1		10♦	$9 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	10♦		2	4	2	2	0	0	-1	В
2_0_0	3♣ 7♠ Q♣ K♣	A♣ A♥ 2♥ K♠	$9 \clubsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	Κ♣	$K\Diamond$	3	4	0	0	0	0	-1	A
2_0_1	3♣ 7♠ Q♣	A♣ A♥ 2♥ K♠	9♣ 10♦ Q♦ Q♠	$A \heartsuit$	10♦	3	4	0	4	0	0	-1	В
2_1_0	3♣ 7♠ Q♣	A♣ 2♥ K♠	9♣ Q♦ Q♠	Q.	$Q\Diamond$	4	4	0	4	0	0	-1	A
2.1.1	3♣ 7♠	A♣ 2♥ K♠	9♣ Q♠	A.		4	4	0	4	0	0	-1	A
2_2_0	3♣ 7♠	2♥ K♠	A♣ 9♣ Q♠	3♣		4	4	0	4	0	0	-1	A
2_2_1	7♠	2♥ K♠	A♣ 3♣ 9♣ Q♠	K.		4	4	0	4	0	0	-1	A
2.3.0	7♠	2♡	A♣ 3♣ 9♣ Q♠ K♠	7♠	A & 3 &	6	4	1	4	0	0	-1	A
2,3,1	000 0 A 800 0 A	20	9♣ Q♠ K♠	2♡	9♣	6	5	1	4	0	0	-1	В
3.0.0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	Q♠ K♠	9♦		6	5	0	0	0	0	-4	0
3_0_1	3♥ 3♠ 7♥	4♣ 4♦ 4♠ J♡	9♦ Q♠ K♠	4.		6	5	0	0	0	0	-4	0
3_1_0	3♥ 3♠ 7♥	4♦ 4♠ J♥	4♣ 9♦ Q♠ K♠ 3♠ 4♣ 9♦ Q♠ K♠	3♠	3♠ 4♣	6	5	0	0	0	0	-4	0 B
3_1_1 3_2_0	3♥ 7♥ 3♥ 7♥	4♦ 4♠ J♥ 4♦ J♥	9♦ ₽♦ ₽♦ ₽♦	3♡	3 0 4 0	6	6	0	0	0	0	-4 -4	В
3_2_1	7♡	$4 \diamondsuit J \heartsuit$ $4 \diamondsuit J \heartsuit$	3♥ 9♦ K♠	J♡	3♥ 9♦	6	6	0	1	0	0	-4	В
3_3_0	7♡	4♦ 3♦	Q	70	2	6	6	0	1	0	0	-4	B
3_3_1	1∨	4♦	7♥ Q♠ K♠	4♦	7♡	6	6	0	1	0	0	-4	В
4_0_0	A♠ 9♠ 10♠ K♡	2♠ 8♣ J♠ 💇	Q♠ K♠	9♠	1	6	6	0	0	0	0	-5	0
4_0_0	A♠ 10♠ K♡	2♠ 8♣ J♠ Q♡	9♠ Q♠ K♠	Q♥	Q♠	6	6	0	0	0	0	-5	B
4_1_0	A♠ 10♠ K♡	2♠ 8♣ J♠	9 \$ K \$	K♡	<i>K</i> ♠	6	6	0	0	0	0	-5	A
4.1.1	A♠ 10♠ A ∨	2	96	26	96	6	6	0	0	0	5	-5	B
4.2.0	A♠ 10♠	8 & J A		10♠		6	6	0	0	0	5	-5	B
4,2,1	A	8 & J \$	10▲	8.		6	6	0	0	0	5	-5	В
4.3.0	<i>A</i> ♠	J.	8 å 10 å	A de	10♠	6	6	1	0	0	5	-5	A
4.3.1	2. 	J.	8&	J.	8&	6	7	1	1	0	5	-5	B
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥		5♠	***	0	0	0	0	0	0	-10	0
5_0_1	2♦ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	5♠	70		0	0	0	0	0	0	-10	0
5_1_0	2♦ 6♥ 8♥	4♥ 8♠ 10♥	5♠ 7♦	20		0	0	0	0	0	0	-10	0
5_1_1	6♥ 8♥	4♥ 8♠ 10♥	2♦ 5♠ 7♦	40	7♦	0	0	0	0	0	0	-10	В
5_2_0	6♥ 8♥	8♠ 10♡	2♦ 5♠	8♥	•	0	0	0	0	0	0	-10	В
5_2_1	6♥	8♠ 10♡	2♦ 5♠ 8♥	8.		0	0	0	0	0	0	-10	В
5.3.0	6♡	10♡	2♦ 5♠ 8♥ 8♠	6♡	5♠	0	0	0	0	0	0	-10	A
5_3_1		10♡	2♦ 8♥ 8♠	10♡		0	0	0	0	0	0	-10	A
CleanUp		-	V - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -			0	0	0	0	0	0	-10	A
Cicanop						1 0		1 0		_ 0		-10	_ A

Figure 1: Game ID = 1

0.0.1 0.1.0 0.1.1 0.2.0 0.2.1 0.3.0 0.3.1 1.0.0 1.0.1 1.1.0 1.1.1 1.2.0 1.2.1 1.3.0	Alex A\Q 26.66.66 A\Q 26.66.40 A\Q 26.66 A\Q	Bob So (Pool 5J J A Q Q Q A JA Q Q Q A JA Q Q Q A S J A Q Q Q A S J A Q Q Q A 6A S J J A Q Q Q A 6A S J J A Q Q Q A 6A S Q J A Q Q Q A 6A S Q J A Q Q Q A 8 S J A Q Q Q A 2A S Q J A Q Q Q A 2A S Q J A Q Q Q A 8 S J A Q Q Q A 8 S J A Q Q Q A 8 S J D Q Q Q A 8 S J D Q Q Q A 8 S J D Q Q Q A 8 S D D J A Q Q Q A 8 S D D J A Q Q Q A 8 S D D J A Q Q Q A 8 S D D J A Q Q Q A 8 S D D J A Q Q Q A X Q 9 Q Q A X Q 5 T A Q Q Q A X Q 5 T A Q Q Q A X Q	Lay 6	Pick 5	Acl 1 1 1 1 2 2 2 2 2 3 3 3 3 3 3 3 3	0 0 0 0 0 1 1 1 1 1	0 0 0 1 1 1 1 2 2	Bpt	0 0 0 0 0 0 0 0 0	Bsr 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Δ 0 0 0 0 0 0 0 0 1 1	A A A B B B A A
0.0.1 0.1.0 0.1.1 0.2.0 0.2.1 0.3.0 0.3.1 1.0.0 1.0.1 1.1.0 1.1.1 1.2.0 1.2.1 1.3.0	A	5	JA Q Q QA 80 JA Q Q QA 68 80 JA Q Q QA 68 80 JA Q Q QA 68 80 JA Q Q QA 80 JA Q Q QA 80 JA Q Q QA 24 80 JA Q Q QA 80 JA Q QA 80 JA Q Q QA 80 JA Q	8	10♣ 6♣ 2♣ 6♦	1 1 1 2 2 2 2 2 2 3 3 3	0 0 0 0 1 1 1 1 1	0 0 1 1 1 1 2 2	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0 0	A A A B B B A A
0.1.0 0.1.1 0.2.0 0.2.1 0.3.0 0.3.1 1.0.0 1.0.1 1.1.1 1.1.2 1.2.0 1.2.1 1.3.0 1.3.1	A	5 \(6 \in 10 \) 5 \(6 \in 10 \) 5 \(6 \in 10 \) 5 \(6 \in 0 \) 5 \(6 \in 0 \) 6 \(\in 0 \) 6 \(\in 0 \) 7 \(\text{a} \text{ 90 10} \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in \) 7 \(\text{a} \text{ 90 10} \in J \in \) 9 \(\text{90 10} \in J \in \) 9 \(\text{90 10} \in J \in J \in \) 9 \(\text{90 10} \in J \in	80 J & Q0 Q & 6 & 50 J & Q0 Q & 8 & J & Q0 Q & 2 & 50 J & Q0 Q & 8 & J & Q0 Q & K & Q0 Q & K & 5 & Q0 Q & K & 9 & Q0 &	6♣ 10♣ A◊ 5◊ 2♣ 6◊ 3◊ 10◊ K◊ J◊ 5♡ 7♣	6♣	1 1 2 2 2 2 2 2 3 3 3	0 0 0 1 1 1 1 1 1	0 1 1 1 1 2 2	0 0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0 0	0 0 0 0 0 0 0	A A B B B A A
0.1.1 0.2.0 0.2.1 0.3.0 0.3.1 1.0.0 1.1.1 1.2.0 1.2.1 1.3.0 1.3.1	A	5 \(6 \lapha \) 10\$\$ 5 \(6 \lapha \) 6 \(6 \lapha \) 6 \(6 \lapha \) 7 \(4 \) 90 \(10 \lapha \) 10 \(7 \lapha \) 90 \(10 \lapha \) 10 \(7 \lapha \) 90 \(9 \lapha \) 90 \(9 \lapha \)	6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	10♣ A♦ 5♦ 2♣ 6♦ 3♦ 10♦ K♦ J♦ 5♥ 7♣	6♣	1 2 2 2 2 2 2 3 3 3	0 0 1 1 1 1 1 1	0 1 1 1 1 2 2 2	0 0 0 0 0	0 0 0 0 0	0 0 0 0 0 0	0 0 0 0 0 0	A B B B A A
0.2.0 0.2.1 0.3.0 0.3.1 1.0.0 1.0.1 1.1.0 1.1.1 1.2.0 1.2.1 1.3.0 1.3.1	A ♦ 2 ♣ 2 ♣ 3 ♦ 5 ♥ 9 ♣ K ♦ 5 ♥ 9 ♣ K ♦ 5 ♥ 9 ♣ 5 ♥ 9 ♣ 9 ♣ 9 ♣ 3 ♣ 7 ♠ Q ♣ K ♣ 3 ♣ 7 ♠ Q ♣	5	6 \$ \$0 10 \$ J\$ Q\$ Q\$ 6 \$ \$0 \$ J\$ Q\$ Q\$ 8 \$ \$ J\$ Q\$ Q\$ 8 \$ J\$ Q\$ Q\$ 2 \$ \$ \$ Q\$ Q\$ 2 \$ \$ \$ Q\$ Q\$ 8 \$ \$ J\$ Q\$ Q\$ 8 \$ J\$ Q\$ Q\$ 8 \$ J\$ Q\$ Q\$ Q\$ 8 \$ J\$ Q\$ Q\$ Q\$ Q\$ 8 \$ J\$ Q\$ Q\$ Q\$ Q\$	A	6♣	2 2 2 2 2 3 3 3	0 1 1 1 1 1 1	1 1 1 1 2 2 2	0 0 0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0 1	A B B B A
0.2.1 0.3.0 0.3.1 1.0.0 1.0.1 1.1.0 1.1.1 1.2.0 1.2.1 1.3.0	2♣ 2♣ 3♦5♥9♣ K♦ 5♥9♣ K♦ 5♥9♣ K♦ 5♥9♣ 9♣ 3♣7♠ Q♣ K♣	5 \(6 \rightarrow \) 6 \(6 \rightarrow \) 6 \(7 \ldots 9 \times 10 \rightarrow J \rightarrow \) 7 \(\ldots 9 \times 10 \rightarrow J \rightarrow \) 7 \(\ldots 9 \times J \rightarrow \) 9 \(\times 9 \times	6 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	5 ♦ 2 ♣ 6 ♦ 6 ♦ 3 ♦ 10 ♦ K ♦ J ♦ 5 ♥ 7 ♣	6♣	2 2 2 3 3 3	1 1 1 1 1 1	1 1 1 2 2 2	0 0 0 0	0 0 0 0	0 0 0 0 0	0 0 0 1	B B B
0.3.0 0.3.1 1.0.0 1.0.1 1.1.0 1.1.1 1.2.0 1.2.1 1.3.0	2♣ 3♦ 5♥ 9♣ K♦ 5♥ 9♣ K♦ 5♥ 9♣ K♦ 5♥ 9♣ 9♣ 9♣ 3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	6♦ 6♦ 74 9♥ 10♦ J♦ 74 9♥ 10♦ J♦ 74 9♥ J♦ 74 9♥ J♦ 74 9♥ 74 9♥ 9♥ 9♥	\$6 JA Q6 Q4 24 50 JA Q6 Q4 24 60 80 JA Q6 Q4 80 JA Q6 Q4 80 J0 JA Q6 Q4 K6 90 Q4 K6 50 Q6 Q4 K6	2	2♣ 6♦	2 2 3 3 3	1 1 1	1 1 2 2 2	0 0 0	0 0 0	0 0 0 0	0 0 1 1 1	B B A
0_3_1 1_0_0 3 1_0_1 1_1_0 1_1_0 1_1_1 1_2_0 1_2_1 1_3_0 1_3_1	3♦ 5♥ 9♣ K♦ 5♥ 9♣ K♦ 5♥ 9♣ K♦ 5♥ 9♣ 9♣ 3♣ 7♠ Q♣ K♣	6♦ 74.9♥ 10♦ J♦ 74.9♥ 10♦ J♦ 74.9♥ J♦ 74.9♥ J♦ 74.9♥ J♦ 74.9♥ J♦ 74.9♥ J♦	24 5	6 ♦ 3 ♦ 10 ♦ 10 ♦ 10 ♦ 5 ♥ 7 ♣ 10 ♦ 10 ♦ 10 ♦ 10 ♦ 10 ♦ 10 ♦ 10 ♦ 10		2 3 3 3	1 1 1	1 2 2 2	0 0	0 0	0 0	0 1 1	A A
1_0_0 { 1_0_1 1_1_0 1_1_1 1_2_0 1_2_1 1_3_0	5♥ 9♣ K♦ 5♥ 9♣ K♦ 5♥ 9♣ S♥ 9♣ 9♣ 9♣ 3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	7♣ 9♥ 10♦ J♦ 7♣ 9♥ 10♦ J♦ 7♣ 9♥ J♦ 7♣ 9♥ J♦ 7♣ 9♥ J♦ 7♣ 9♥ 9♥ 9♥	24 69 80 14 Q0 Q4 80 14 Q0 Q4 80 100 14 Q0 Q4 80 100 14 Q0 Q4 80 100 14 Q0 Q4 Q0 Q4 K0 57 Q0 Q4 K0 57 74 Q0 Q4 K0	3♦ 10♦ K♦ J♦ 5♥ 7♣		3 3	1	2	0	0	0	1	A
1.0.1 1.1.0 1.1.1 1.2.0 1.2.1 1.3.0 1.3.1	5♥ 9♣ K♦ 5♥ 9♣ K♦ 5♥ 9♣ S♥ 9♣ 9♣ 9♣ 3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	7♣ 9♥ 10♦ J♦ 7♣ 9♥ J♦ 7♣ 9♥ J♦ 7♣ 9♥ J♦ 7♣ 9♥ 9♥	8♦ J ♣ Q ♦ Q ♠ 8♦ 10♦ J ♣ Q ♦ Q ♠ 8♦ 10♦ J ♣ Q ♦ Q ♠ K ♦ Q ♦ Q ♠ K ♦ 5♥ Q ♦ Q ♠ K ♦ 5♥ T ♣ Q ♦ Q ♠ K ♦	10♦ K♦ J♦ 5♥		3 3	1	2	0	0	0	1	A
1_1_0 1_1_1 1_2_0 1_2_1 1_3_0 1_3_1	5♥ 9♣ K♦ 5♥ 9♣ 5♥ 9♣ 9♣ 3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	7♣ 9♥ J♦ 7♣ 9♥ J♦ 7♣ 9♥ 7♣ 9♥ 9♥ 9♥	8♦ 10♦ J♣ Q♦ Q♠ 8♦ 10♦ J♣ Q♦ Q♠ K♦ Q♦ Q♠ K♦ 5♥ Q♦ Q♠ K♦	K♦ J♦ 5♥ 7♣	8♦ 10♦ Ј♣	3		2					
1,2,0 1,2,1 1,3,0 1,3,1	5♥ 9♣ 9♣ 9♣ 3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	7♣ 9♥ J♦ 7♣ 9♥ 7♣ 9♥ 9♥	8◊ 10◊ J♣ Q◊ Q♠ K◊ Q◊ Q♠ K◊ 5♡ Q◊ Q♠ K◊ 5♡ Q◊ Q♠ K◊	5♡ 7♣	8♦ 10♦ J♣	3	_						A
1_2_1 1_3_0 1_3_1	9& 9& 3& 7 & Q& K& 3& 7 & Q&	7♣ 9♥ 7♣ 9♥ 9♥ 9♥	$Q \diamondsuit Q \spadesuit K \diamondsuit$ $5 \heartsuit Q \diamondsuit Q \spadesuit K \diamondsuit$ $5 \heartsuit 7 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	7.			2	2	5	0	0	1	В
1_2_1 1_3_0 1_3_1	9& 9& 3& 7 & Q& K& 3& 7 & Q&	7♣ 9♡ 9♡ 9♡	5♥ Q♦ Q♠ K♦ 5♥ 7♣ Q♦ Q♠ K♦	7.		3	2	2	5	0	0	1	В
1_3_1	3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	9♡	$5 \heartsuit 7 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$			3	2	2	5	0	0	1	В
	3♣ 7♠ Q♣ K♣ 3♣ 7♠ Q♣	9♡		9♣		3	2	2	5	0	0	1	В
2_0_0 3	3♣ 7♠ Q♣	A♣ A♥ 2♥ K♠	5♥ 7♣ 9♣ Q♦ Q♠ K♦	9♡		3	2	2	5	0	0	1	В
			5♥ 7♣ 9♣ 9♥ Q♦ Q♠ K♦	Κ♣	$K\Diamond$	4	2	0	0	0	0	-2	A
2.0.1		A♣ A♥ 2♥ K♠	5♥ 7♣ 9♣ 9♥ Q♦ Q♠	A.	·	4	2	0	0	0	0	-2	A
2_1_0	3♣ 7♠ Q♣	A♥ 2♥ K♠	A♣ 5♥ 7♣ 9♣ 9♥ Q♦ Q♠	Q.	Q♠	5	2	0	0	0	0	-2	A
2.1.1	3♣ 7♠	A♥ 2♥ K♠	A♣ 5♥ 7♣ 9♣ 9♥ Q♦	2♡	9♡	5	2	0	0	0	0	-2	В
2_2_0	3♣ 7♠	$A \heartsuit K \spadesuit$	A♣ 5♥ 7♣ 9♣ Q♦	3♣	A♣ 7♣	8	2	1	0	0	0	-2	A
2_2_1	7♠	$A \heartsuit K \spadesuit$	5♡ 9♣ Q♦	K.		8	2	1	- 0	0	0	-2	A
2.3.0	7♠	$A\heartsuit$	5♥ 9♣ Q♦ K♠	7♠		8	2	1	0	0	0	-2	A
2_3_1		$A \heartsuit$	5♥ 7♠ 9♣ Q♦ K♠	$A \heartsuit$		8	2	1	0	0	0	-2	A
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	$A \heartsuit 5 \heartsuit 7 \spadesuit 9 \clubsuit Q \diamondsuit K \spadesuit$	3♠	A♡ 7♠	0	0	1	0	0	0	-1	A
3.0.1	3♡ 7♡ 9♦	4♣ 4♦ 4♠ J♡	5♥ 9♣ Q♦ K♠	4♦		0	0	1	0	0	0	-1	A
3_1_0	3♡ 7♡ 9♦	4♣ 4♠ J♡	4♦ 5♥ 9♣ Q♦ K♠	3♡		0	0	1	0	0	0	-1	A
3_1_1	7♡ 9♦	4♣ 4♠ J♡	$3 \heartsuit 4 \diamondsuit 5 \heartsuit 9 \clubsuit Q \diamondsuit K \spadesuit$	J♡	3♡ 4♦ 5♡ 9♣	0	1	1	1	0	0	-1	В
3_2_0	7♡ 9♦	4♣ 4♠	$Q \diamondsuit K \spadesuit$	9\$		0	1	1	1	0	0	-1	В
3_2_1	7♡	4♣ 4♠	9♦ Q♦ К♠	4♣		0	1	1	1	0	0	-1	В
3_3_0	7♡	4♠	4♣ 9♦ Q♦ K♠	7♡	4♣	1	1	1	1	0	0	-1	A
3_3_1		4♠	$9 \diamondsuit Q \diamondsuit K \spadesuit$	4♠		1	1	1	1	0	0	-1	A
	$A \spadesuit 9 \spadesuit 10 \spadesuit K \heartsuit$	2♠ 8♣ J♠ Q♡	4♠ 9♦ Q♦ K♠	10♠		0	0	0	0	0	0	-1	0
4_0_1	$A \spadesuit 9 \spadesuit K \heartsuit$	2♠ 8♣ J♠ Q♡	$4 \spadesuit 9 \diamondsuit 10 \spadesuit Q \diamondsuit K \spadesuit$	2♠	9♦	0	0	0	0	0	0	-1	В
4_1_0	$A \spadesuit 9 \spadesuit K \heartsuit$	8 ♣ J♠ Q♡	4♠ 10♠ Q♦ K♠	$A \spadesuit$	10♠	0	0	1	0	0	0	-1	A
4_1_1	9♠ K♡	8♣ J♠ Q♡	4♠ Q♦ K♠	8.		0	0	1	0	0	0	-1	A
4.2.0	9 ♠ K♡	$J \spadesuit Q \heartsuit$	4♠ 8♣ Q ♦ K♠	9♠		0	0	1	0	0	0	-1	A
4_2_1	K♡	$J \spadesuit Q \heartsuit$	4♠ 8♣ 9♠ Q♦ K♠	J♠	4♠ 8♣ 9♠	0	1	1	1	0	0	-1	В
4.3.0	$K\heartsuit$	$Q \heartsuit$	Q♦ K♠	K♡	<i>K</i> ♠	0	1	1	1	0	0	-1	A
4_3_1		$Q \heartsuit$	Q♦	$Q \heartsuit$	Q♦	0	1	1	1	0	5	-1	В
	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	24	2♦		0	0	0	0	0	0	-6	0
5_0_1	5♠ 6♡ 8♡	4♥ 7♦ 8♠ 10♥	20	4♥		0	0	0	0	0	0	-6	0
5_1_0	5♠ 6♡ 8♡	7♦ 8♠ 10♥	2♦ 4♥	80		0	0	0	0	0	0	-6	0
5_1_1	5♠ 6♡	7♦ 8♠ 10♥	2♦ 4♥ 8♥	7♦	4♡	0	0	0	0	0	0	-6	В
5_2_0	5♠ 6♡	8♠ 10♡	2♦ 8♥	5♠		0	0	0	0	0	0	-6	В
5_2_1	6♥ em	8♠ 10♡	2♦ 5♠ 8♥	10♡	**	0	0	0	0	0	0	-6	В
5.3.0	6♡	8♠	2♦ 5♠ 8♥ 10♥	6♡	5♠	0	0	0	0	0	0	-6	A
5_3_1		8♠	2♦ 8♥ 10♥	8♠		0	0	0	0	0	0	-6	A
CleanUp						0	0	0	0	0	0	-6	A

Figure 1: Game ID = 2

Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bcl	Ant	Bpt	Δer	Bsr	Δ	L
0.0.0	A\Q 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5 ♣ J ♣ <mark>Q ♦</mark> Q ♠	6 &	5 .	2	0	0	0	0	0	0	A
0_0_1	A♦ 2♣ 6♠	5♦ 6♦ 8♦ 10♣	J å Q♦ Q å	5♦	V 4	2	0	0	0	0	0	0	A
0_1_0	A♦ 2♣ 6♠	6♦ 8♦ 10♣	5♦ J♣ Q♦ Q♠	6♠	5◊	2	0	0	0	0	0	0	A
0_1_1	A♦ 2♣	6♦ 8♦ 10♣	J å Q◊ Q å	104	••	2	0	0	0	0	0	0	A
0_2_0	A♦ 2♣	6♦ 8♦	10♣ J♣ Q♦ Q♠	<i>A</i> ◊	10&	3	0	1	0	0	0	0	A
0.2.1	2.	6♦ 8♦	J å Q◊ Q å	6◊	10 0	3	0	1	0	0	0	0	A
0_3_0	2♣	8◊	6♦ J ♣ Q♦ Q♠	2.		3	0	1	0	0	0	0	A
0_3_1		8♦	2♣ 6♦ 月♣ Q♦ Q♠	8♦		3	0	1	0	0	0	0	A
1.0.0	3♦ 5♥ 9♣ K♦	7♣ 9♡ 10♢ √	2 \$ 6 \(\display \) 8 \(\display \) Q \(\display \)	3◊	2♣ 6♦	4	0	2	0	0	0	1	A
1_0_1	5♥ 9♣ K♦	7♣ 9♡ 10♦ √	8♦ J♣ Q♦ Q♠	7.	- 	4	0	2	0	0	0	1	A
1.1.0	5♥ 9♣ K♦	9♥ 10♦ 3♦	7♣ 8♦ Ј♣ Q♦ Q♠	9.4		4	0	2	0	0	0	1	A
1.1.1	5♥ K♦	9♥ 10♦ J♦	7♣ 8♦ 9♣ J♣ Q♦ Q♠	J♦	7♣ 8♦ 9♣ J♣	4	3	2	2	0	0	1	В
1_2_0	5♥ K♦	9♥ 10♦	Q\(Q\(\phi\)	50	1 th 0 V 0 th 0 th	4	3	2	2	0	0	1	В
1_2_1	K ♦	9♥ 10♦	5♥ Q♦ Q♠	10♦		4	3	2	2	0	0	1	В
1.3.0	<i>K</i> ◊	90	5♥ 10♦ Q♦ Q♠	K ♦		4	3	2	2	0	0	1	В
1.3.1	** \	90	$5 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	9♥		4	3	2	2	0	0	1	В
2.0.0	3	A♣ A♥ 2♥ K♠	5♥ 9♥ 10♦ Q♦ Q♠ K♦	7♠		4	3	0	0	0	0	1	0
2_0_1	3 å 0 å K å	$A \triangleq A \heartsuit 2 \heartsuit K \spadesuit$	5♥ 7♠ 9♥ 10♦ Ø♦ Ø♠ K♦	2♡	9♡	4	3	0	0	0	0	1	В
2_1_0	3♣ Q♣ K♣	$A \clubsuit A \heartsuit K \spadesuit$	5♥ 7♠ 10♦ Q♦ Q♠ K♦	3.		4	3	0	0	0	0	1	В
2.1.1	Q& K&	$A \triangleq A \heartsuit K \spadesuit$	3♣ 5♡ 7♠ 10♦ ⊘♦ ⊘♠ ₭♦	A.	3≜ 7♠	4	5	0	1	0	0	1	В
2_2_0	Q& K&	$A \heartsuit K \spadesuit$	5♥ 10♦ Q♦ Q♠ K♦	Q.	Q \$	5	5	0	1	0	0	1	A
2_2_1	<i>K</i> ♣	A♥ K♠	$5 \heartsuit 10 \diamondsuit Q \diamondsuit K \diamondsuit$	$A\heartsuit$	10♦	5	5	0	5	0	0	1	В
2.3.0	Κ♣	K♠	$5 \heartsuit Q \diamondsuit K \diamondsuit$	Κ♣	<i>K</i> ◊	6	5	0	5	0	0	1	A
2,3,1		K.	5♡ Q◊	K.		6	5	0	5	0	0	1	A
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	5♥ Q♦ ₭♠	3.		6	5	0	0	0	0	-4	0
3_0_1	3♥ 7♥ 9♦	4♣ 4♦ 4♠ J♥	3♠ 5♡ Q♦ К♠	40		6	5	0	0	0	0	-4	0
3_1_0	3♥ 7♥ 9♦	4♣ 4♠ J♡	3♠ 4♦ 5♥ Q♦ ₭♠	3♡	3♠ 5♡	6	5	0	0	0	0	-4	A
3_1_1	7♡ 9♦	4♣ 4♠ J♡	$4\Diamond Q\Diamond K \spadesuit$	J♡	4◊	6	5	0	1	0	0	-4	В
3_2_0	7♥ 9♦	4♣ 4♠	Q♦ K♠	7♡	•	6	5	0	1	0	0	-4	В
3_2_1	9◊	4♣ 4♠	7♥ Q♦ K♠	4.8	7♡	6	6	0	1	0	0	-4	В
3.3.0	9♦	4♠	$Q \Diamond K \spadesuit$	90		6	6	0	1	0	0	-4	В
3_3_1	.,	46	9♦ Q♦ К♠	4.		6	6	0	1	0	0	-4	В
4_0_0	A♠ 9♠ 10♠ K♡	2♠ 8♣ J♠ 📿♡	$4 \spadesuit 9 \diamondsuit Q \diamondsuit K \spadesuit$	10♠		6	6	0	0	0	0	-5	0
4_0_1	A♠ 9♠ K♡	2♠ 8♣ J♠ 📿♡	4♠ 9♦ 10♠ Q♦ K♠	2.	9◊	6	6	0	0	0	0	-5	В
4_1_0	A♠ 9♠ K♡	8♣ J♠ Q♡	4♠ 10♠ Q♦ K♠	$A \spadesuit$	10♠	6	6	1	0	0	0	-5	A
4_1_1	9♠ K♡	8♣ J♠ Q♡	$4 \spadesuit Q \diamondsuit K \spadesuit$	$Q\heartsuit$	Q♦	6	6	1	0	0	0	-5	В
4.2.0	9♠ K♡	8♣ J♠	4♠ K♠	9♠		6	6	1	0	0	0	-5	В
4_2_1	K♡	8♣ J♠	4♠ 9♠ ₭♠	8.		6	6	1	0	0	0	-5	В
4.3.0	$K\heartsuit$	J♠	4♠ 8♣ 9♠ ₭♠	$K\heartsuit$	$K \spadesuit$	6	6	1	0	0	0	-5	A
4_3_1		J♠	4♠ 8♣ 9♠	J♠	4♠ 8♣ 9♠	6	7	1	1	0	0	-5	В
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥		6♡		0	0	0	0	0	0	-5	0
5_0_1	2♦ 5♠ 8♥	4♥ 7♦ 8♠ 10♥	6♡	7♦		0	0	0	0	0	0	-5	0
5_1_0	2♦ 5♠ 8♥	4♥ 8♠ 10♥	6♡ 7♦	80		0	0	0	0	0	0	-5	0
5_1_1	2♦ 5♠	4♥ 8♠ 10♥	6♡ 7♦ 8♡	8♠		0	0	0	0	0	0	-5	0
5_2_0	2♦ 5♠	4♡ 10♡	6♡ 7♦ 8♡ 8♠	5♠	6♡	0	0	0	0	0	0	-5	A
5_2_1	2♦	4♥ 10♥	7♦ 8♥ 8♠	10♡		0	0	0	0	0	0	-5	A
5_3_0	2♦	4♡	7♦ 8♥ 8♠ 10♥	2♦		0	0	0	0	0	0	-5	A
5_3_1		4♡	2♦ 7♦ 8♥ 8♠ 10♥	4♡	7♦	0	0	0	0	0	0	-5	В
CleanUp						0	0	0	0	0	0	-5	В

Figure 1: Game ID = 3

Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bcl	Ant	Bpt	Aer	Bsr	Δ	L
0.0.0	A♦ 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5♣ ∫♣ ⊘♦ ⊘♠	2.	T KIN	0	0	0	0	0	0	0	0
0_0_1	A♦ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	2 å 5 å J å Q♦ Q♠	104		0	0	0	0	0	0	0	0
0_1_0	A♦ 6♣ 6♠	5♦ 6♦ 8♦	2♣ 5♣ 10♣ J♣ Q♦ Q♠	6♣	5♣	2	0	0	0	0	0	0	A
0_1_1	A♦ 6♠	5♦ 6♦ 8♦	2♣ 10♣ J♣ 🚫♦ Ø♠	5♦		2	0	0	0	0	0	0	A
0_2_0	A♦ 6♠	6♦ 8♦	2 å 5♦ 10 å J å Q♦ Q♠	$A\Diamond$	10♣	3	0	1	0	0	0	0	A
0_2_1	6♠	6♦ 8♦	2 å 5♦ J å Q♦ Q♠	8◊	* 90	3	0	1	0	0	0	0	A
0_3_0	6♠	6♦	2♣ 5♦ 8♦ J♣ Q♦ Q♠	6♠	5◊	3	0	1	0	0	0	0	A
0_3_1		6♦	2 å 8♦ J å Q♦ Q♠	6♦	• •	3	0	1	0	0	0	0	A
1_0_0	3♦ 5♥ 9♣ K♦	7♣ 9♡ 10♦ J♦	2♣ 6♦ 8♦ Ј♣ Q♦ Q♠	5♡	6◊	3	0	0	0	0	0	1	A
1_0_1	3♦ 9♣ K♦	7♣ 9♥ 10♦ J♦	2 å 8♦ J å Q♦ Q♠	7.	·	3	0	0	0	0	0	1	A
1_1_0	3♦ 9♣ К♦	9♥ 10♦ Ј♦	2♣ 7♣ 8♦ J♣ Q♦ Q♠	$K\Diamond$		3	0	0	0	0	0	1	A
1.1.1	3♦ 9♣	9♥ 10♦ Ј♦	2♣ 7♣ 8♦ J♣ Q♦ Q♠ K♦	J♦	2 å 7 å 8♦ J å	3	3	0	4	0	0	1	В
1.2.0	3♦ 9♣	9♡ 10♦	$Q \Diamond Q \spadesuit K \Diamond$	9.		3	3	0	4	0	0	1	В
1_2_1	3♦	9♡ 10♦	$9 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	9♡		3	3	0	4	0	0	1	В
1.3.0	3♦	10♦	$9 \clubsuit 9 \heartsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	3♦		3	3	0	4	0	0	1	В
1_3_1		10♦	$3 \diamondsuit 9 \clubsuit 9 \heartsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	10♦		3	3	0	4	0	0	1	В
2.0.0	3♣ 7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$3 \diamondsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	7♠		3	3	0	0	0	0	-3	0
2_0_1	3♣ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$3 \diamondsuit 7 \spadesuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	$A\heartsuit$	10♦	3	3	0	4	0	0	-3	В
2_1_0	3♣ Q♣ K♣	A♣ 2♥ K♠	$3 \diamondsuit 7 \spadesuit 9 \clubsuit 9 \heartsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	Κ♣	$K\Diamond$	4	3	0	4	0	0	-3	A
2.1.1	3♣ Q♣	A♣ 2♥ K♠	3♦ 7♠ 9♣ 9♥ Q♦ Q♠	2♡	9♡	4	3	0	4	0	0	-3	В
2_2_0	3♣ Q♣	A♣ K♠	3♦ 7♠ 9♣ Q♦ Q♠	3♣		4	3	0	4	0	0	-3	В
2_2_1	Q.	A♣ K♠	3♣ 3♦ 7♠ 9♣ Q ♦ Q ♠	A.	3♦ 7♠	4	4	0	5	0	0	-3	В
2.3.0	Q.	$K \spadesuit$	3♣ 9♣ Q♦ Q♠	Q.	$Q \spadesuit$	5	4	0	5	0	0	-3	A
2,3,1		K♠	3♣ 9♣ 📿♦	$K \spadesuit$		5	4	0	5	0	0	-3	A
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	3♣ 9♣ Q ♦ K♠	9♦		5	4	0	0	0	0	-8	0
3.0.1	3♥ 3♠ 7♥	4♣ 4♦ 4♠ J♡	3♣ 9♣ 9 ♦ <i>Q</i> ♦ <i>K</i> ♠	4♦		5	4	0	0	0	0	-8	0
3_1_0	3♥ 3♠ 7♥	4♣ 4♠ J♡	3♣ 4♦ 9♣ 9♦ Q♦ ₭♠	3♡		5	4	0	0	0	0	-8	0
3_1_1	3♠ 7♡	4♣ 4♠ J♡	$3 \stackrel{*}{\clubsuit} 3 \stackrel{\bigtriangledown}{\lor} 4 \diamondsuit 9 \stackrel{*}{\clubsuit} 9 \diamondsuit Q \diamondsuit K \spadesuit$	4♠	3♡ 4♦	5	4	0	0	0	0	-8	В
3_2_0	3♠ 7♡	4♣ J♡	3♣ 9♣ 9♦ Q♦ ₭♠	3♠		5	4	0	0	0	0	-8	В
3_2_1	7♡	4♣ J♡	3♣ 3♠ 9♣ 9♦ Q♦ ₭♠	4.		5	4	0	0	0	0	-8	В
3_3_0	7♡	J♡	3♣ 3♠ 4♣ 9♣ 9♦ Q♦ K♠	7♡	4.	6	4	0	0	0	0	-8	A
3,3,1		J♡	3♣ 3♠ 9♣ 9♦ Q♦ K♠	J♡	3♣ 3♠ 9♣ 9♦	6	6	0	1	0	0	-8	В
4_0_0	$A \spadesuit 9 \spadesuit 10 \spadesuit K \heartsuit$	2♠ 8♣ J♠ Q♡	Q♦ K♠	$A \spadesuit$		6	6	0	0	0	0	-9	0
4_0_1	9♠ 10♠ K♡	2♠ 8♣ J♠ Q ♡	$A \spadesuit Q \diamondsuit K \spadesuit$	$Q \heartsuit$	Q♦	6	6	0	0	0	0	-9	В
4_1_0	9♠ 10♠ K♡ 9♠ K♡	2	A♠ K♠ K♠	10♠	$A \spadesuit$	6	6	1	0	0	0	-9 -9	A
				2♠	0.4	6	6	1	0	0	0		A
4.2.0	9♠ K♡ K♡	8 ♣ J♠ 8 ♣ J♠	2♠ K♠ K♠	9♠	2♠	6	6	1	0	0	0	-9 -9	A
4_2_1	$K \heartsuit$	8 # / #			$K \spadesuit$								
4_3_1	<i>N</i> ∨	84		<i>K</i> ♡	N. ♠	6	6	1	0	0	0	-9 -9	A
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥		6♥		6	6	0	0	0	0		A 0
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	8♠ J♠ 6♡ 8♣ J♠	8♠		6	6	0	0	0	0	-8 -8	0
5_1_0	2♦ 5♠ 8♥	4♥ 7♦ 8♥ 10♥	6♥ 8♣ 8♠ J♠	5♠	6♡	6	6	0	0	0	0	-8	A
5_1_1	2♦ 5♥ 8♥	4♥ 7♦ 10♥	8♣ 8♠ J♠	7♦	0∨	6	6	0	0	0	0	-8	A
5_2_0	2♦ 8♥	4♥ 10♥	5♠ 5♠ J♠ 7♦ 8♣ 8♠ J♠	2◊		6	6	0	0	0	0	-8	A
5_2_1	2♥ 8♥	4♥ 10♥	2♦ 7♦ 8♣ 8♠ 7♠	10♡		6	6	0	0	0	0	-8	A
5_3_0	8♥	4♥ 10♥	2♦ 7♦ 8♣ 8♠ 10♥ 月♠	8♥		6	6	0	0	0	0	-8	A
5_3_0	8∨	4♥	2♦ 7♦ 8♣ 8♠ 10♥ J♠ 2♦ 7♦ 8♣ 8♥ 8♠ 10♥ J♠	4♡	7◊	6	6	0	0	0	0	-8	B
	-	47	2 ∨ 1 ∨ 0 m 0 ∨ 0 m 10 ∨ J m	4∨	17	_			_			_	
CleanUp	I	1				6	7	0	1	0	0	-8	В

Figure 1: Game ID = 4

Stage 0_0_0 0_0_1 0_1_0 0_1_1 0_2_0 0_2_1 0_3_0 0_3_1	Alex A♦ 2♣ 6♣ 6♠ A♦ 2♣ 6♣	5♦ 6♦ 8♦ 10♣		Lay		Acl		Apt			Bsr		L
0.0.1 0.1.0 0.1.1 0.2.0 0.2.1 0.3.0 0.3.1			5 ♣ J ♣ Q♦ Q♠	6♠	5♣	1	0	0	0	0	0	Δ 0	A
0,1,0 0,1,1 0,2,0 0,2,1 0,3,0 0,3,1		5♦ 6♦ 8♦ 10♣	J å Q♦ Q♠	6♦		1	0	0	0	0	0	0	A
0.2.0 0.2.1 0.3.0 0.3.1	A♦ 2♣ 6♣	5♦ 8♦ 10♣	6♦ Ј♣ Q♦ Q♠	$A \Diamond$		1	0	0	0	0	0	0	A
0.2.1 0.3.0 0.3.1	2♣ 6♣	5♦ 8♦ 10♣	$A \diamondsuit 6 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	5♦	6◊	1	0	0	0	0	0	0	В
0_3_0 0_3_1	2♣ 6♣	8♦ 10♣	$A \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	6♣		1	0	0	0	0	0	0	В
0_3_1	2.	8♦ 10♣	A♦ 6♣ J♣ Q♦ Q♠	10.	$A\Diamond$	1	1	0	1	0	0	0	В
	2♣	8◊	6♣ J♣ Q♦ Q♠	2.		1	1	0	1	0	0	0	В
		8♦	2 ♣ 6 ♣ J♣ Q ♦ Q♠	8♦		1	1	0	1	0	0	0	В
1_0_0	$3 \diamondsuit 5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	2♣ 6♣ 8♦ J♣ Q ♦ Q♠	3♦	8♦	1	1	0	0	0	0	-1	A
1.0.1	5♥ 9♣ K♦	7♣ 9♥ 10♦ J♦	2♣ 6♣ J♣ Q ♦ Q♠	7♣		1	1	0	0	0	0	-1	A
1_1_0	5♥ 9♣ K♦	9♥ 10♦ Ј♦	2♣ 6♣ 7♣ J♣ Q ♦ Q♠	9♣	2♣	3	1	2	0	0	0	-1	A
1.1.1	$5 \heartsuit K \diamondsuit$	9♥ 10♦ Ј♦	6 ♣ 7 ♣ J ♣ Q♦ Q♠	90		3	1	2	0	0	0	-1	A
1.2.0	$5 \heartsuit K \diamondsuit$	$10 \diamondsuit J \diamondsuit$	6♣ 7♣ 9♡ J♣ Q ♦ Q♠	5♡	6♣	4	1	2	0	0	0	-1	A
1_2_1	$K\Diamond$	$10 \diamondsuit J \diamondsuit$	7♣ 9♥ J♣ Q♦ Q♠	$J\Diamond$	7♣ 9♡ Ј♣	4	3	2	2	0	0	-1	В
1_3_0	$K\Diamond$	10♦	Q ♦ Q ♠	$K\Diamond$		4	3	2	2	0	0	-1	В
1_3_1		10♦	$Q \diamondsuit Q \spadesuit K \diamondsuit$	10♦		4	3	2	2	0	0	-1	В
2.0.0	3♣ 7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	7♠		4	3	0	0	0	0	-1	0
2.0.1	3♣ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$7 \spadesuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	<i>A</i> ♣	10♦	4	4	0	4	0	0	-1	В
2_1_0	3♣ Q♣ K♣	$A \heartsuit 2 \heartsuit K \spadesuit$	$7 \spadesuit Q \diamondsuit Q \spadesuit K \diamondsuit$	3♣		4	4	0	4	0	0	-1	В
2.1.1	Q♣ K♣	A♥ 2♥ K♠	3 ♣ 7 ♠ Q♦ Q♠ K♦	K♠	<i>K</i> ◊	4	4	0	4	0	0	-1	В
2_2_0	Q ♣ K ♣	A♥ 2♥	3♣ 7♠ Q♦ Q♠	Κ♣		4	4	0	4	0	0	-1	В
2,2,1	Q.	A♥ 2♥	3♣ 7♠ Q♦ Q♠ K♣	A♡	3♣ 7♠	4	5	0	5	0	0	-1	В
2_3_0	Q♣	2♡	Q♦ Q♠ K♣	Q 4	$Q \spadesuit$	5	5	0	5	0	0	-1	A
2,3,1	000 0 A 800 0 A	2♡	Q◊ K♣	2♡	200	5	5	0	5	0	0	-1	A
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	2♥ Q♦ K♣	9\$	2♡	5	5	0	0	0	0	-6	A
3_0_1	3♥ 3♠ 7♥	4♣ 4♦ 4♠ J♡	Q◊ K♣	4♦		5	5	0	0	0	0	-6	A
3_1_0	3♥ 3♠ 7♥	4♣ 4♠ J♡	4♦ Q♦ K♣	7♡	4♦	5	5	0	0	0	0	-6	A
3_1_1 3_2_0	3♥ 3♠ 3♥ 3♠	4♣ 4♠ J♡ 4♠ J♡	Q♦ K♣ 4♣ Q♦ K♣	3♡		5	5	0	0	0	0	-6 -6	A
3_2_1	3♦	4♠ J♡ 4♠ J♡	3♥ 4♣ Q♦ K♣	4♠	3♡ 4♣	5	6	0	0	0	0	-6	B
3_3_0	3♠	J♡	0 × 4 € 0 × K €	3.	3V 4	5	6	0	0	0	0	-6	B
3_3_1	3 m	J♡	3♠ Q♦ K♣	JO	3♠	5	6	0	1	0	0	-6	В
4_0_0	A♠ 9♠ 10♠ K♡	2♠ 8♣ J♠ 🔎	00 K&	9♠	3#	5	6	0	0	0	0	-7	0
4_0_1	A♠ 10♠ K♡	2♠ 8♣ J♠ Q♡	9♠ Q♦ K♣	QŸ	Q\$	5	6	0	0	0	0	-7	B
4.1.0	A♠ 10♠ K♡	24 84 JA	9 . K.	K♡	<i>K</i> ♣	6	6	0	0	0	0	-7	A
4.1.1	A♠ 10♠ A ∨	2 8 J	96	J♠	96	6	6	0	1	0	0	-7	B
4.2.0	A♠ 10♠	2♠ 8♣	, , , , , , , , , , , , , , , , , , ,	A	~ ~	6	6	0	1	0	0	-7	В
4,2,1	10.	2♠ 8♣	$A \spadesuit$	8.		6	6	0	1	0	0	-7	В
4.3.0	10♠	26	A♠ 8♣	10♠	$A \spadesuit$	6	6	1	1	0	0	-7	A
4.3.1	104	26	84	2.	·· ·	6	6	1	1	0	0	-7	A
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	2♠ 8♣	5♠		6	6	0	0	0	0	-7	0
5_0_1	2♦ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	2♠ 5♠ 8♣	10♡		6	6	0	0	0	0	-7	0
5_1_0	2♦ 6♥ 8♥	4♥ 7♦ 8♠	2♠ 5♠ 8♣ 10♡	80		6	6	0	0	0	0	-7	0
5,1,1	2♦ 6♥	4♥ 7♦ 8♠	2♠ 5♠ 8♣ 8♡ 10♡	4♡	2♠ 5♠	6	6	0	0	0	0	-7	В
5_2_0	2♦ 6♥	7♦ 8♠	8♣ 8♡ 10♡	2♦		6	6	0	0	0	0	-7	В
5,2,1	6♥	7♦ 8♠	2♦ 8♣ 8♥ 10♥	7♦		6	6	0	0	0	0	-7	В
5_3_0	6♡	8.	2♦ 7♦ 8♣ 8♥ 10♥	6♡		6	6	0	0	0	0	-7	В
5_3_1		8♠	2♦ 6♥ 7♦ 8♣ 8♥ 10♥	8.		6	6	0	0	0	0	-7	В
CleanUp		† 		- - 		6	7	0	0	0	0	-7	В

Figure 1: Game ID = 5

Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bel	Apt	Bnt	Asr	Bsr	Δ	L
0.0.0	A♦ 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5 å J å Q◊ Q♠	$A \diamondsuit$		0	0	0	0	0	0	0	0
0_0_1	2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	A♦ 5♣ J♣ Q♦ Q♠	5♦	A♦ 5♣	0	1	0	1	0	0	0	В
0.1.0	2♣ 6♣ 6♠	6♦ 8♦ 10♣	J ♣ Q♦ Q♠	6♠		0	1	0	1	0	0	0	В
0.1.1	2♣ 6♣	6♦ 8♦ 10♣	6♠ J♣ Q♦ Q♠	8♦		0	1	0	1	0	0	0	В
0_2_0	2♣ 6♣	6♦ 10♣	6♠ 8♦ Ј♣ Q♦ Q♠	64		0	1	0	1	0	0	0	В
0.2.1	2.	6♦ 10♣	6♣ 6♠ 8♦ Д♣ Q♦ Q♠	6♦		0	1	0	1	0	0	0	В
0.3.0	2.	10♣	6♣ 6♦ 6♠ 8♦ 月♣ ♀♦ ♀♠	2.		0	1	0	1	0	0	0	В
0.3.1		10♣	2♣ 6♣ 6♦ 6♦ 8♦ J♣ Q♦ Q♠	104		0	1	0	1	0	0	0	В
1.0.0	$3 \diamondsuit 5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♡ 10♢ J♢	2♣ 6♣ 6♦ 6♦ 8♦ 10♣ J♣ ♥♦ ₽♠	3♦	2♣ 6♦	1	1	2	0	0	0	-1	A
1_0_1	5♥ 9♣ K♦	7♣ 9♡ 10♢ J♢	6♣ 6♠ 8♦ 10♣ J♣ ♥♦ ♦	10♦	71 · · · · ·	1	1	2	0	0	0	-1	A
1_1_0	5♥ 9♣ K♦	7♣ 9♡ J♦	6♣ 6♠ 8♦ 10♣ 10♦ J♣ Q♦ Q♠	9&		1	1	2	0	0	0	-1	A
1.1.1	5♥ K♦	7♣ 9♡ J♦	6♣ 6♠ 8♦ 9♣ 10♣ 10♦ J♣ Q♦ Q♠	7.8		1	1	2	0	0	0	-1	A
1,2,0	5♥ K♦	9♡ J♦	6♣ 6♠ 7♣ 8♦ 9♣ 10♣ 10♦ J♣ Q♦ Q♠	$K\Diamond$		1	1	2	0	0	0	-1	A
1_2_1	5♡	9♡ J♦	6♣ 6♠ 7♣ 8♦ 9♣ 10♣ 10♦ J♣ Q♦ Q♠ K♦	90		1	1	2	-0	0	0	-1	A
1_3_0	5♡	J♦	6♣ 6♠ 7♣ 8♦ 9♣ 9♥ 10♣ 10♦ J♣ Q♦ Q♠ K♦	5♡	6♣	2	1	2	0	0	0	-1	A
1,3,1		J♦	6♠ 7♣ 8♦ 9♣ 9♥ 10♣ 10♦ J♣ Q♦ Q♠ K♦	J♦	6♠ 7♣ 8♦ 9♣ 9♥ 10♣ 10♦ J♣	2	5	2	5	0	0	-1	В
2,0,0	3♣ 7♠ Q♣ K♣	A♣ A♥ 2♥ K♠	$Q \Diamond Q \spadesuit K \Diamond$	Q.	Q♦	3	5	0	0	0	0	-4	A
2.0.1	3♣ 7♠ ₭♣	$A \triangleq A \heartsuit 2 \heartsuit K \spadesuit$	<i>Q</i> ♠ <i>K</i> ♦	$A \heartsuit$	***	3	5	0	0	0	0	-4	A
2_1_0	3♣ 7♠ K♣	A♣ 2♥ K♠	$A \heartsuit Q \spadesuit K \diamondsuit$	3♣		3	5	0	0	0	0	-4	A
2.1.1	7♠ K♣	A♣ 2♥ K♠	$A \heartsuit 3 \clubsuit Q \spadesuit K \diamondsuit$	K.	K◊	3	5	0	0	0	0	-4	В
2_2_0	7♠ K♣	A♣ 2♡	A♥ 3♣ Q♠	7♠	A♡ 3♣	4	5	1	0	0	0	-4	A
2_2_1	Κ♣	A♣ 2♥	Q.	2♡		4	5	1	-0	- 0	0	-4	A
2_3_0	Κ♣	A.\$	2♡ Q♠	Κ♣		4	5	1	0	0	0	-4	A
2_3_1	•	<i>A</i> ♣	2♥ Q♠ K♣	A.		4	5	1	0	0	0	-4	A
3_0_0	3♥ 3♠ 7♥ 9♦	4 å 4♦ 4♠ J♡	A♣ 2♥ Q♠ K♣	7♡		4	5	0	0	0	0	-3	0
3_0_1	3♥ 3♠ 9♦	4 å 4♦ 4♠ J♡	A♣ 2♥ 7♥ Q♠ K♣	4♦	7♡	4	5	0	0	0	0	-3	В
3_1_0	3♥ 3♠ 9♦	4♣ 4♠ J♡	$A \clubsuit 2 \heartsuit Q \spadesuit K \clubsuit$	9\$	2♡	4	5	0	0	0	0	-3	A
3_1_1	3♥ 3♠	4♣ 4♠ J♡	A♣ Q♠ K♣	J♡	A.♣	4	6	0	2	0	0	-3	В
3_2_0	3♡ 3♠	4♣ 4♠	Q♠ K♣	3♡		4	6	0	2	0	0	-3	В
3_2_1	3♠	4♣ 4♠	3♥ Q♠ K♣	4♠		4	6	0	2	0	0	-3	В
3_3_0	3♠	4♣	3♥ 4♠ Q♠ K♣	3♠		4	6	0	2	0	0	-3	В
3_3_1		4♣	3♥ 3♠ 4♠ Q♠ K♣	4.	3♡ 4♠	4	7	0	2	0	0	-3	В
4_0_0	$A \spadesuit 9 \spadesuit 10 \spadesuit K \heartsuit$	2♠ 8♣ J♠ Q♡	3♠ Q♠ K♣	10♠		0	0	0	0	0	0	-5	0
4_0_1	$A \spadesuit 9 \spadesuit K \heartsuit$	2♠ 8♣ J♠ Q♡	3♠ 10♠ Q♠ K♣	2♠		0	0	0	0	0	0	-5	0
4_1_0	$A \spadesuit 9 \spadesuit K \heartsuit$	8 ♣ J♠ Q♡	2♠ 3♠ 10♠ <i>Q</i> ♠ <i>K</i> ♣	$A \spadesuit$	10♠	0	0	1	0	0	0	-5	A
4_1_1	9♠ K♡	8 ♣ J♠ Q♡	2♠ 3♠ Q♠ K♣	8.	3♠	0	1	1	0	0	0	-5	В
4_2_0	9♠ K♡	$J \spadesuit Q \heartsuit$	2♠ Q♠ K♣	$K\heartsuit$	K ♣	1	1	1	0	0	0	-5	A
4_2_1	9♠	$J \spadesuit Q \heartsuit$	2♠ Q♠	$Q \heartsuit$	Q♠	1	1	1	0	0	0	-5	В
4_3_0	9♠	J♠	2♠	9♠	2♠	1	1	1	0	5	0	-5	A
4_3_1		J♠		J♠		1	1	1	0	5	0	-5	A
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	J♠	6♡		0	0	0	0	0	0	1	0
5_0_1	2♦ 5♠ 8♥	4♥ 7♦ 8♠ 10♥	6♥ Ј♠	8.		0	0	0	0	0	0	1	0
5_1_0	2♦ 5♠ 8♥	4♥ 7♦ 10♥	6♥ 8♠ J♠	8♡		0	0	0	0	0	0	1	0
5_1_1	2♦ 5♠	4♥ 7♦ 10♥	6♥ 8♥ 8♠ J♠	10♡		0	0	0	0	0	0	1	0
5_2_0	2♦ 5♠	4♡ 7♦	6♥ 8♥ 8♠ 10♥ Ј♠	5♠	6♡	0	0	0	0	0	0	1	A
5_2_1	2♦	4♡ 7♦	8♥ 8♠ 10♥ Д♠	4♡		0	0	0	0	0	0	1	A
5_3_0	2♦	7♦	4♥ 8♥ 8♠ 10♥ J♠	2♦		0	0	0	0	0	0	1	A
5_3_1		7♦	2♦ 4♥ 8♥ 8♠ 10♥ 月♠	7♦	4♡	0	0	0	0	0	0	1	В
CleanUp						0	0	0	1	0	0	1	В

Figure 1: Game ID = 6

Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bel	Apt	Bpt	Asr	Bsr	Δ	L
0_0_0	A♦ 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5 å J å Q◊ Q♠	6♠	5♣	1	0	0	0	0	0	0	A
0_0_1	A♦ 2♣ 6♣	5♦ 6♦ 8♦ 10♣	J♣ Q♦ Q♠	8♦		1	0	0	0	0	0	0	A
0_1_0	A♦ 2♣ 6♣	5♦ 6♦ 10♣	8♦ J♣ Q♦ Q♠	$A \Diamond$		1	0	0	0	0	0	0	A
0_1_1	2♣ 6♣	5♦ 6♦ 10♣	$A \diamondsuit 8 \diamondsuit J \clubsuit O \diamondsuit O \spadesuit$	6♦		1	0	0	0	0	0	0	A
0_2_0	2♣ 6♣	5♦ 10♣	$A \diamondsuit 6 \diamondsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	6♣		1	0	0	0	0	0	0	A
0.2.1	2.	5♦ 10♣	$A \diamondsuit 6 \clubsuit 6 \diamondsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	5♦	6◊	1	0	0	0	0	0	0	В
0_3_0	2♣	104	$A \diamondsuit 6 \clubsuit 8 \diamondsuit J \clubsuit Q \diamondsuit Q \spadesuit$	2.	$A \diamondsuit 8 \diamondsuit$	2	0	3	0	0	0	0	A
0_3_1		10♣	6 ♣ J ♣ Q ♦ Q♠	10♣		2	0	3	- 0	0	0	0	A
1_0_0	$3 \diamondsuit 5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	6 ♣ 10 ♣ J♣ Q♦ Q♠	$K\Diamond$		2	0	0	0	0	0	3	0
1_0_1	3♦ 5♥ 9♣	7♣ 9♥ 10♦ J♦	6♣ 10♣ J♣ Q♦ Q♠ K♦	7.		2	0	0	0	0	0	3	- 0
1_1_0	3♦ 5♥ 9♣	9♥ 10♦ Ј♦	$6 \clubsuit 7 \clubsuit 10 \clubsuit J \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	3♦		2	0	0	0	0	0	3	0
1.1.1	5♥ 9♣	9♥ 10♦ Ј♦	$3 \diamondsuit 6 \clubsuit 7 \clubsuit 10 \clubsuit J \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	$J\Diamond$	3♦ 6♣ 7♣ 10♣ J♣	2	4	0	2	0	0	3	В
1_2_0	5♡ 9♣	9♡ 10♦	$Q \diamondsuit Q \spadesuit K \diamondsuit$	5♡		2	4	0	2	0	0	3	В
1_2_1	9♣	9♥ 10♦	$5 \heartsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	10♦		2	4	0	2	0	0	3	В
1_3_0	9♣	9♡	$5 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	9♣		2	4	0	2	0	0	3	В
1_3_1		9♡	$5 \heartsuit 9 \clubsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	9♡		2	4	0	2	0	0	3	В
2_0_0	3♣ 7♠ Q♣ K♣	A♣ A♡ 2♡ K♠	$5 \heartsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	3♣		2	4	0	0	0	0	1	0
2.0.1	7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$3 \clubsuit 5 \heartsuit 9 \clubsuit 9 \heartsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	<i>A</i> ♣	10♦	2	5	0	4	0	0	1	В
2_1_0	7♠ Q♣ K♣	A♥ 2♥ K♠	3♣ 5♥ 9♣ 9♥ <i>Q</i> ♦ <i>Q</i> ♠ <i>K</i> ♦	Q.	Q♦	3	5	0	4	0	0	1	A
2.1.1	7♠ K♣	A♥ 2♥ K♠	3♣ 5♥ 9♣ 9♥ Q♠ K♦	2♡	9♡	3	5	0	4	0	0	1	В
2_2_0	7♠ K♣	$A \heartsuit K \spadesuit$	3♣ 5♥ 9♣ Q♠ K♦	7♠		3	5	0	4	0	0	1	В
2_2_1	Κ♣	A♥ K♠	3♣ 5♥ 7♠ 9♣ Q♠ ₭♦	K.	$K\Diamond$	3	5	0	4	0	0	1	В
2_3_0	$K \clubsuit$	A♡	3♣ 5♡ 7♠ 9♣ Q♠	<i>K</i> ♣	0.4.5.4	3	5	0	4	0	0	1	В
2_3_1	000 0 A 800 0 A	A♡	3♣ 5♥ 7♠ 9♣ Q♠ K♣	$A \heartsuit$	3♣ 7♠	3	6	0	5	0	0	1	В
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	5♥ 9♣ Q♠ K♣	9\$		3	6	0	0	0	0	-4	0
3_0_1	3♥ 3♠ 7♥	4♣ 4♦ 4♠ J♡	5♥ 9♣ 9♦ Q♠ K♣	4♦	4.5	3	6	0	0	0	0	-4	0
3_1_0	3♥ 3♠ 7♥ 3♥ 3♠	4♣ 4♠ J♡ 4♣ 4♠ J♡	4♦ 5♥ 9♣ 9♦ Q♠ ₭♣	7♡	4♦	3	6	0	0	0	0	-4 -4	A
3_1_1 3_2_0	3♥ 3♠	4♠ 4♠ J♡	5♥ 9♣ 9♦ Q♠ K♣ 4♣ 5♥ 9♣ 9♦ Q♠ K♣	3♠		3	6	0	0	0	0	-4	A
3_2_1	3♡ 3♥	4♠ J♡	36 46 5♥ 98 9♦ Q8 K8	3♠	3♠ 4♣	3	7	0	0	0	0	-4	B
3_3_0	3♡	J♡	5♥ 9♣ 9♦ Q♠ K♣	3♡	3 0 10	3	7	0	0	0	0	-4	B
3_3_1	3∨	J♡	3♥ 5♥ 9♣ 9♦ Ø♠ ₭♣	J♡	3♡ 5♡ 9♣ 9♢	3	8	0	1	0	0	-4	В
4_0_0	A♠ 9♠ 10♠ K♡	2♠ 8♣ J♠ 💇	Q♠ K♣	A.	3 V 3 V 3 🖛 3 V	0	0	0	0	0	0	-5	0
4_0_1	9♠ 10♠ K♡	2♠ 8♣ J♠ Q♡	A♠ Q♠ K♣	8.		0	0	0	0	0	0	-5	0
4.1.0	9♠ 10♠ K♡	2♠ J♠ Q♡	A♠ 8♣ Ø♠ K♣	K♡	<i>K</i> ♣	1	0	0	0	0	0	-5	A
4.1.1	9♠ 10♠	2♠ J♠ 💇	A & 8 & Q &	Q.	Q \(\rightarrow\)	1	0	0	0	0	0	-5	В
4.2.0	9♠ 10♠	2♠ J♠	A♠ 8♣	9♠	**	1	0	0	0	0	0	-5	В
4.2.1	10♠	2♠ J♠	A	J	A♠ 8♣ 9♠	1	1	0	2	0	0	-5	В
4.3.0	10♠	2♠	4 - 4 - 4	10♠	W-19-19	1	1	0	2	0	0	-5	В
4_3_1		26	10.	2.		1	1	0	2	0	0	-5	В
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	2♠ 10♠	80		0	0	0	0	0	0	-7	0
5_0_1	2♦ 5♠ 6♥	4♥ 7♦ 8♠ 10♥	2♠ 8♡ 10♠	7♦		0	0	0	0	0	0	-7	0
5_1_0	2♦ 5♠ 6♥	4♥ 8♠ 10♥	2♠ 7♦ 8♥ 10♠	5♠		0	0	0	0	0	0	-7	0
5_1_1	2♦ 6♥	4♥ 8♠ 10♥	2♠ 5♠ 7♦ 8♥ 10♠	4♡	7♦	0	0	0	0	0	0	-7	В
5.2.0	2♦ 6♥	8♠ 10♡	2♠ 5♠ 8♡ 10♠	6♡	5♠	0	0	0	0	0	0	-7	A
5_2_1	2◊	8♠ 10♡	2♠ 8♡ 10♠	10♡	4	0	0	0	0	0	0	-7	A
5_3_0	2♦	8♠	2♠ 8♥ 10♥ 10♠	2♦		0	0	0	0	0	0	-7	A
5_3_1		8♠	2♦ 2♠ 8♥ 10♥ 10♠	8.		0	0	0	0	0	0	-7	A
CleanUp						0	0	0	0	0	0	-7	A
								-					

Figure 1: Game ID = 7

Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bcl	Ant	Bnt	Asr	Rer	Δ	L
0.0.0	A\Q 2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	5 å J å ⊘ ♦	A♦	1 KK	0	0	0	0	0	0	0	0
0_0_1	2♣ 6♣ 6♠	5♦ 6♦ 8♦ 10♣	A♦ 5♣ J♣ Q♦ Q♠	104	$A\Diamond$	0	1	0	1	0	0	0	В
0_1_0	2♣ 6♣ 6♠	5♦ 6♦ 8♦	5 å J å Q♦ Q å	6.	5&	1	1	0	1	0	0	0	A
0_1_1	2♣ 6♣	5♦ 6♦ 8♦	J ♣ Q♦ Q♠	80	***	1	1	0	1	0	0	0	A
0_2_0	2♣ 6♣	5♦ 6♦	8♦ Ј♣ Q♦ Q♠	2.		1	1	0	1	0	0	0	A
0.2.1	6♣	5♦ 6♦	2♣ 8♦ J♣ Q♦ Q♠	5♦		1	1	0	1	0	0	0	A
0_3_0	6♣	6◊	2♣ 5♦ 8♦ J♣ Q♦ Q♠	6♣	5♦	2	1	0	1	0	0	0	A
0_3_1		6♦	2♣ 8♦ J♣ Q♦ Q♠	6♦		2	1	0	1	0	0	0	A
1_0_0	$3 \diamondsuit 5 \heartsuit 9 \clubsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	2♣ 6♦ 8♦ J♣ Q♦ Q♠	9♣	2♣	4	1	2	0	0	0	-1	A
1_0_1	$3 \diamondsuit 5 \heartsuit K \diamondsuit$	7♣ 9♥ 10♦ J♦	6♦ 8♦ J♣ Q♦ Q♠	90		4	1	2	0	0	0	-1	A
1_1_0	$3 \diamondsuit 5 \heartsuit K \diamondsuit$	7♣ 10♦ J♦	6♦ 8♦ 9♥ Ј♣ Q♦ Q♠	3♦	8♦	4	1	2	0	0	0	-1	A
1.1.1	$5 \heartsuit K \diamondsuit$	7♣ 10♦ J♦	6♦ 9♥ J♣ Q♦ Q♠	$J\Diamond$	6♦ 9♥ Ј♣	4	2	2	2	0	0	-1	В
1_2_0	$5 \heartsuit K \diamondsuit$	7♣ 10♦	$Q\Diamond Q \spadesuit$	$K\Diamond$		4	2	2	2	0	0	-1	В
1_2_1	5♡	7♣ 10♦	$Q \diamondsuit Q \spadesuit K \diamondsuit$	7.		4	2	2	2	0	0	-1	В
1.3.0	5♡	10♦	$7 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	5♡		4	2	2	2	0	0	-1	В
1_3_1		10♦	$5 \heartsuit 7 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	10♦		4	2	2	2	0	0	-1	В
2_0_0	3♣ 7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	5♥ 7♣ 10♦ Q♦ Q♠ K♦	3♣		4	2	0	0	0	0	-1	0
2_0_1	7♠ Q♣ K♣	$A \clubsuit A \heartsuit 2 \heartsuit K \spadesuit$	$3 \clubsuit 5 \heartsuit 7 \clubsuit 10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	A.	10♦	4	3	0	4	0	0	-1	В
2_1_0	7♠ Q♣ K♣	$A \heartsuit 2 \heartsuit K \spadesuit$	$3 \clubsuit 5 \heartsuit 7 \clubsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	Κ♣	$K\Diamond$	5	3	0	4	0	0	-1	A
2_1_1	7♠ Q♣	A♥ 2♥ K♠	3 ♣ 5♥ 7 ♣ Q♦ Q♠	$K \spadesuit$		5	3	0	4	0	0	-1	A
2_2_0	7♠ Q♣	$A \heartsuit 2 \heartsuit$	3♣ 5♥ 7♣ Q♦ Q♠ K♠	$Q \clubsuit$	$Q\Diamond$	6	3	0	4	0	0	-1	A
2_2_1	7♠	A♥ 2♥	3♣ 5♥ 7♣ Q♠ K♠	$A\heartsuit$	3 å 7 å	6	5	0	5	0	0	-1	В
2.3.0	7♠	2♡	5♡ Q♠ K♠	7♠		6	5	0	5	0	0	-1	В
2_3_1		2♡	5♥ 7♠ Q♠ K♠	2♡		6	5	0	5	0	0	-1	В
3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	2♥ 5♥ 7♠ Q♠ K♠	3♡		6	5	0	0	0	0	-6	0
3.0.1	3♠ 7♡ 9♦	4♣ 4♦ 4♠ J♡	2♥ 3♥ 5♥ 7♠ Q♠ K♠	4♦	2♡ 5♡	6	5	0	0	0	0	-6	В
3_1_0	3♠ 7♡ 9♦	4♣ 4♠ J♡	3♥ 7♠ Q♠ K♠	9\$		6	5	0	0	0	0	-6	В
3_1_1	3♠ 7♡	4♣ 4♠ J♡	3♥ 7♠ 9♦ Q♠ K♠	4♠	7♠	6	5	0	0	0	0	-6	В
3.2.0	3♠ 7♡	4♣ J♡	3♥ 9♦ Q♠ K♠	7♡	W/A	6	5	0	0	0	0	-6	В
3_2_1	3♠	4 ♣ J♡	3♥ 7♥ 9♦ Q♠ K♠	4♣	7♡	6	6	0	0	0	0	-6	В
3.3.0	3♠	J♡ J♡	3♥ 9♦ Q♠ K♠	3♠	3♡ 3♠ 9♢	6	6	0	0	0	0	-6	B
3_3_1 4_0_0	A♠ 9♠ 10♠ K♡	2♠ 8♣ J♠ 💇	3♥ 3♠ 9♦ Q♠ K♠ Ø♠ K♠	J♡	3∨ 3♠ 9◊	6	6	0	1	0	0	-6	
4_0_0	A♠ 9♠ 10♠ K♥	2♠ 8♣ J♠ Q♡	$Q \spadesuit K \spadesuit$ $A \spadesuit Q \spadesuit K \spadesuit$	<i>A</i> ♠		6	6	0	0	0	0	-7 -7	0
4_0_1	9♠ 10♠ K♡	2♠ 8♠ J♠ Q♥ 2♠ J♠ Q♥	A & Q & K &	10♠	A	6	6	1	0	0	0	-7	A
4_1_0	9♠ 10♠ K♡	2♠ J♠ Q♥ 2♠ J♠ Q♥	8	10 ♠	8♣	6	7	1	1	0	0	-7	B
4.2.0	9♠ K♡	2♠ Q♥	0♠ K♠	9♠	· •	6	7	1	1	0	0	-7	B
4.2.0	9 ♠ K♥	2♠ Q♥ 2♠ Q♥	9 A Q A K A	2♠	9♠	6	7	1	1	0	0	-7	В
4_3_0	$K \heartsuit$	2 . Q♥	Q♠ K♠	$K\heartsuit$	5 ⊕ K ♠	6	7	1	1	0	0	-7	A
4_3_1	n V	Q.	Q \$	$Q \heartsuit$	Q.	6	7	1	1	0	5	-7	B
5_0_0	2♦ 5♠ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	V.**	5♠	V.	0	0	0	0	0	0	-12	0
5_0_1	2♦ 6♥ 8♥	4♥ 7♦ 8♠ 10♥	5♠	8		0	0	0	0	0	0	-12	0
5_1_0	2♦ 6♥ 8♥	4♥ 7♦ 10♥	5♠ 8♠	6♡	5♠	0	0	0	0	0	0	-12	A
5_1_1	2♦ 8♥	4♥ 7♦ 10♥	86	7♦		0	0	0	0	0	0	-12	A
5.2.0	2♦ 8♥	4♥ 10♥	7♦ 8♠	20		0	0	0	0	0	0	-12	A
5.2.1	8°	4♥ 10♥	2♦ 7♦ 8♠	4♥	7◊	0	0	0	0	0	0	-12	В
5_3_0	8♡	10♡	2♦ 8♠	80	'Y	0	0	0	0	0	0	-12	В
5_3_1		10♡	2♦ 8♥ 8♠	10♡		0	0	0	0	0	0	-12	
CleanUp			-4 0. 04			0	0	0	0	0	0	-12	
CleanOp							- 0	L v		_ v		-12	_ь

Figure 1: Game ID = 8

Stage	Stage	Alex	Bob	Pool	Lay	Pick	Acl	Bcl	Ant	Bnt	Aer	Bsr	Δ	L
0.0.1 24.64 6						1 ICK						0	0	0
0.1.0 22.0 50.0 10.0												0	0	0
0.2.1						40.80						0	0	A
0.2.0								1				0	0	В
0.2.1 64 50 10 64 54 50 64 10 1 1 1 3 0 0 0.3.1 50 65 65 65 65 65 65 65						V 		1				0	0	В
0.3.1 6.1 6.2 6.3 6.3 6.4								1				0	0	В
0.31								1				0	0	В
1.0.0 30 50 95 \$\chick\chi						66						0	0	В
1.0.1 3 ⟨ 5 ♥ K ⟩ 7 ± 9 ∨ 10 ⟨ J ⟩ 6 ± 9 ± 10 ± J ± Q ⟨ Q ⊕ 7 ⊕ 1 1 0 0 0 0 1.1.1 5 ∨ K ⟩ 9 ∨ 10 ⟩ J ⟩ 6 ± 7 ± 8 ± 10 ± J ± Q ⟨ Q ⊕ 5 ∨ 6 ± 1 1 0 0 0 1.2.1 5 ∨ K ⟩ 10 ⟩ J ⟩ 3 ∨ 6 ± 7 ± 8 ± 10 ± J ± Q ⟨ Q ⊕ 5 ∨ 6 ± 2 1 0 0 0 1.2.1 K ⟩ 10 ⟩ J ⟩ 3 ∨ 6 ± 7 ± 8 ± 9 ∨ 10 ± J ⊕ Q ⟨ Q ⊕ 5 ∨ 6 ± 2 1 0 0 0 1.2.1 K ⟩ 10 ⟩ J ⟩ 3 ∨ 6 ± 7 ± 8 ± 9 ∨ 10 ± J ⊕ Q ⟨ Q ⊕ 5 ∨ 6 ± 2 1 0 0 0 1.3.1 10 ⟩ Q ∨ Q ⊕ K ⟩ 10 ⟩ Q ∨ Q ⊕ K ⟩ 10 ⟩ 2 ∨ 5 ∨ 0 ≥ 2 0 1.3.1 10 ⟩ Q ∨ Q ⊕ K ⟩ 10 ⟩ Q ∨ Q ⊕ K ⟩ 10 ⟩ 2 ∨ 5 ∨ 0 ≥ 2 0 1.3.1 10 ⟩ Q ∨ Q ⊕ K ⟩ T ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ K ⟩ T ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D ∨ Q ⊕ C ⊕ D	1.0.0	3♦ 5♥ 9♣ ₭♦		6 ≜ 10 ≜ ./ ≜ . <i>O</i> ♦ .			1	1	0	0	0	0	3	0
1.1.0 36/55/K\$\(\) 97/100 10 36/67/\$\(\) 36/74 30/8 30 30 1 1 1 0 0 0 1 1 1							_	_				0	3	0
1.1.1 5\tilde{N}\tilde{\sqrt{\sq}\sq}}\sqrt{\sqrt{\sq}\signt{\sq}\sq}\sqrt{\sqrt{\sqrt{\sq}\sint{\sint{\sint{\sq}\si	1.1.0	$3 \diamondsuit 5 \heartsuit K \diamondsuit$	9♥ 10♦ 🗸	6♣ 7♣ 9♣ 10♣ J♣ ♥♦ ₽♠	3♦		1	1	0	0	0	0	3	0
12.1	1.1.1	5♡ K◊	9♥ 10♦ Ј♦		90		1	1	0	0	0	0	3	0
13.0 K♥ 10	1,2,0	5♡ K♦	$10 \diamondsuit J \diamondsuit$	3♦ 6♣ 7♣ 9♣ 9♥ 10♣ 🗸 🐼 🗸 🗸	50	6♣	2	1	0	0	0	0	3	A
13.1	1_2_1	$K\Diamond$	$10 \diamondsuit J \diamondsuit$	3♦ 7♣ 9♣ 9♥ 10♣ J♣ Q♦ Q♠	$J\Diamond$	3♦ 7♣ 9♣ 9♥ 10♣ J♣	2	5	0	2	0	0	3	В
13.1	1_3_0	$K\Diamond$		Q♦ Q♠	$K\Diamond$		2	5	0	2	0	0	3	В
2.0.1 3.4 Q ± K ± A ± A ? ≥ V ± T ± 10 Q Q ± K ♥ A ♥ 2.1.0 3.4 Q ± K ± A ± A ? ≥ V ± 2.1.1 3.4 Q ± K ± A ± A ? ≥ V ± 2.1.1 3.4 Q ± A ± ≥ V ± 2.1.1 3.4 Q ± A ± ≥ V ± 2.1.1 3.4 Q ± A ± ≥ V ± 2.1.1 3.4 Q ± A ± ≥ V ± 2.1.1 3.4 Q ± A ± ≥ V ± 3.5 0	1_3_1				10♦			5	0		0	0	3	В
2.1.0 3\$\(\delta\) \(\delta\) \(\delta\	2_0_0	3♣ 7♠ Q♣ K♣	A♣ A♡ 2♡ K♠	$10 \diamondsuit Q \diamondsuit Q \spadesuit K \diamondsuit$	7♠		2	5	0	0	0	0	1	0
2.1.1 3-4 Q d	2.0.1	3♣ Q♣ K♣	A♣ A♥ 2♥ K♠	7♠ 10♦ Q♦ Q♠ K♦	$A\heartsuit$	10♦	2	5	0	4	0	0	1	В
22.0 3\$\(\delta\) 29 \(\mathbb{K}\) 4\$\(\delta\) 7\(\delta\) 4\$\(\delta\) 7\(\mathbb{K}\) 4\$\(\delta\) 7\(\delta\) 8\$\(\delta\) 8\$\(\delta\) 7\(\delta\) 8\$\(\delta\) 8\$\(\delta\)	2_1_0	3♣ Q♣ K♣	A♣ 2♥ K♠	$7 \spadesuit Q \diamondsuit Q \spadesuit K \diamondsuit$	Κ♣	K♦	3	5	0	4	0	0	1	A
22.1 Q\$ 29 K\$ Q\$ Q\$ K\$ Q\$ \$ \$ \$ \$ \$ \$ \$ \$	2.1.1	3 4 Q 4	A♣ 2♥ K♠	7♠ Q♦ Q♠	A.		3	5	0	4	0	0	1	A
23.0 Q\$ 2♥ Q\$ Q\$ K\$ Q\$ Q\$ 6 5 1 4 0	2_2_0	3♣ Q♣		$A \clubsuit 7 \spadesuit Q \diamondsuit Q \spadesuit$	3♣	A♣ 7♠	5	5	1	4	0	0	1	A
23.11 29	2_2_1	Q.		Q ♦ Q ♠	K.		5	5	1	4	0	0	1	A
S3.0.0 37.3 a 77.9 c) 43.4 c) 4 b 77 27.3 c) 6 k b 77 27.3 c) 77 2	2_3_0	Q.		$Q \diamondsuit Q \spadesuit K \spadesuit$	Q.	$Q\Diamond$	6	5	1	4	0	0	1	A
S.0.1 3.6 \text{ \	2_3_1		2♡	$Q \spadesuit K \spadesuit$	2♡		6	5	1	4	0	0	1	A
31.0 34.79 9\$ 44.04 46 9\$ 9\$ 9\$ 44.04 46 9\$ 9\$ 9\$ 44.04 46 9\$ 9\$ 9\$ 44.04 46 9\$ 9\$ 9\$ 44.04 46 9\$ 9\$ 44.04 46 9\$ 9\$ 9\$ 44.04 46 9\$ 9\$ 9\$ 9\$ 9\$ 9\$ 9\$ 9	3_0_0	3♥ 3♠ 7♥ 9♦	4♣ 4♦ 4♠ J♡	2♥ Q♠ K♠	3♡		6	5	0	0	0	0	-2	0
3.1.1 3-6 ↑♥ 4-6 ↑ 4-6 ↑ 4-6 ↑ 9 ♦ 0 ♠ K ↑ 3 ♠ 4-6 ↑ 5 ↑ 0 ↑ 1 ↑ 0 ↑ 3.2.1 ↑ ↑ 4-6 ↑ 5 ♦ ↑ ↑ ↑ 4-6 ↑ 5 ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑			4♣ 4♦ 4♠ J♡		J♡	2♥ 3♥	6	5	0	1		0	-2	В
32.0 36.7♥ 46.4♦ 46.9€ 46.9										1		0	-2	В
3.2.1 TV												0	-2	В
33.0 7♥ 4♣ 9♦ Q♠ K♠ 7♥ 6 6 5 0 1 0 33.1 4♣ 7♥ 6 6 0 1 0 40.0 A♠ 9♠ 10♠ K♥ 2♠ 8♣ 7♠ Q♥ 9♦ Q♠ K♠ 10♠ 6 6 0 0 0 40.1 A♠ 9♠ K♥ 2♠ 8♣ 7♠ Q♥ 9♦ Q♠ K♠ Q♥ Q♠ 6 6 0 0 0 40.1 A♠ 9♠ K♥ 2♠ 8♣ 7♠ Q♥ 9♦ 10♠ K♠ Q♥ Q♠ 6 6 0 0 0 41.1 A♠ 9♠ X♥ 2♠ 8♣ 7♠ Q♥ 99 10♠ K♠ K♥ K♠ 6 6 0 0 0 41.1 A♠ 9♠ 2♠ 8♣ 7♠ Q♥ 99 10♠ K♠ K♥ K♠ 6 6 0 1 0 42.1 9♠ 2♠ 8♣ A♠ Q♠ 6 6 0 1 0 42.1 9♠ 2♠ 8♣ A♠ Q♠ 6 6 0 1 0 43.1 9♠ 2♠ 8♣ A♠ Q♠ 2♠ 6 6 0 1 0 43.1 S♠ A♠ 2♠ 9♠ 2♠ 6 6 0 1 0 43.1 S♠ A♠ 2♠ S♠ C♠ C♠ C♠ C♠ C♠ 50.0 2♦ 5♠ 6♥ S♥ 4♥ T♦ S♠ 10♥ A♠ 5♠ 8♣ T♦ S♠ C♠ C♠ C♠ C♠ 50.1 2♦ 6♥ S♥ 4♥ S♠ 10♥ A♠ 5♠ 8♠ S♥ S♥ C♠ C♠ C♠ C♠ C♠ 50.1 2♦ 6♥ S♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ 8♣ S♥ S♥ C♠ C♠ C♠ 0 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 0 52.0 2♦ 6♥ 4♥ S♠ 10♥ 4♥ S♠ 10♥ A♠ 5♠ 7♦ S♣ S♥ C♠ 0 C♠ 0 1 52.0 2♦ 6♥ 4♥ S♠										_		0	-2	В
3.3.1 4.6 7\infty 0 \infty 0 \in						3♠ 4♠						0	-2	В
4.0.0		7♡										0	-2	В
4.0.1 A \(A \(\text{A \(\text{K \(\text{V \(\text{C \(\text{A \(\text{A \(\text{A \(\text{C \(\text{V \(\text{C \(\text{A \(\text{A \(\text{A \(\text{V \(\text{C \(\text{A \(\text{A \(\text{A \(\text{C \(\text{A \(\text{A \(\text{A \(\text{C \(\text{A \(\) A \(\text{A \(\text{A \(\text{A \(\text{A \(\text{A \(\) A \(\text{A \(\						7♡						0	-2	В
41.10												0	-3	0
4.1.1 A4.9												0	-3	В
42.0												0	-3	A
42.1 9				9♦ 10♠		9♦ 10♠						0	-3	В
4.3.0 96 88 A6 26 96 26 6 6 0 1 0 4.3.1 8												0	-3	В
43.1 S\$ A\$ A\$ S\$ 6 6 0 1 0						24						0	-3	В
5.0.0 2\circ 5.6\circ 8\circ 4\circ 7\circ 8.6\circ 10\circ 5.0.1 2\circ 6\circ 8\circ 4\circ 8.6\circ 10\circ 5.0.1 2\circ 6\circ 8\circ 4\circ 8.6\circ 10\circ 5.0.1 2\circ 6\circ 4\circ 8.6\circ 10\circ 1		9♠				2♠						0	-3	A
5.0.1 20 60 80 40 76 86 100 A6 56 86 70 6 6 6 0 0 0 0 5.1.0 20 60 80 40 86 100 A6 56 70 86 80 6 6 6 0 0 1 0 5.1.1 20 60 40 86 100 A6 66 70 86 50 100 A6 66 70 86 50 5.2.0 20 60 40 86 6 6 0 1 0 0 5.2.0 20 60 40 86 6 6 0 0 1 0 5.2.1 20 40 86 70 86 50 60 0 0 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 1 0 0 5.2.1 20 40 86 6 6 0 0 0 0 0 5.2.1 20 40 86 6 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 0 5.2.1 20 40 86 6 0 0 0 0 5		24 F4 0M 0M										0	-3	A
5.1.0 2 ♦ 6♥ 8♥ 4♥ 8♠ 10♥ A♠ 5♠ 7♦ 8♠ 8♥ 6 6 0 0 0 5.1.1 2 ♦ 6♥ 4♥ 8♠ 10♥ A♠ 5♠ 7♦ 8♠ 8♥ 10♥ A♠ 6 6 0 1 0 5.2.0 2 ♦ 6♥ 4♥ 8♠ 5♠ 7♦ 8♠ 8♥ 6♥ 5♠ 6 6 0 1 0 5.2.1 2 ♦ 4♥ 8♠ 7♦ 8♠ 8♥ 4♥ 7♦ 6 6 0 1 0												0	-4	0
5.1.1 2.0 6♥ 4♥ 8.4 10♥ A.4 5.4 7♦ 8.4 8♥ 10♥ A.4 5.4 7♠ 8.4 8♥ 10♥ A.4 5.4 8♥ 10♥ 10♥ A.4 5.4 8№ 10♥ 10♥ 10♥ 10♥ 10♥ 10♥ 10♥ 10♥ 10♥ 10♥												0	-4	0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						**						0	-4	0
5.2.1 2\(\displies\) 4\(\tilde{8}\) 8\(\displies\) 7\(\displies\) 8\(\displies\) 4\(\tilde{0}\) 1 0												0	-4	В
										_		0	-4	A
						/◊						0	-4	В
		2♦										0	-4	B
1 1 1 1 1			>♠	2♥ 8♠ 8♥	8.		_			<u> </u>			-4	
CleanUp 6 7 0 1 0	CleanUp						6	7	1 0	1	1 0	0	-4	В

Figure 1: Game ID = 9