

**Comparison between the robots (four teams in the semifinals) and humans (the Wagar finals)**

2015 Robot Championship semifinal (64 boards played in quarters) 2<sup>nd</sup> quarter, boards 1-16, taken from and compared to the 2015 Wagar Final (60 boards played in quarters) boards 1-16 of the 2<sup>nd</sup> half (boards 1-15 in quarter 3 and board 16, the first board in quarter 4)

Team *Baker*: Lynn Baker - Karen McCallum; Pamela Granoveter - JoAnna Stansby; Kerri Sanborn - Irina Levitina


Team *Bjerkan*: Cheri Bjerkan - Rozanne Pollack; Ljudmila Kamenova – Pam Wittes

Boards 1-15 lineup (board 16 line-up shown in board 16)

	West	North	East	South
Open Room:	Sanborn	Kamenova	Levitina	Wittes
Closed Room:	Pollack	Granoveter	Bjerkan	Stansby

**Board 1**

North Deals	♠ A J 8 5		
None Vul	♥ K Q 6		
	♦ J 9 5 3		
	♣ 7 4		
	♠ 6 4	♠ K 9 7 2	
	♥ J 9 7 5 4 3	♥ 10 8 2	
	♦ 10 8 2	♦ A K	
	♣ J 10	♣ A 6 5 2	



	♠ Q 10 3		
	♥ A		
	♦ Q 7 6 4		
	♣ K Q 9 8 3		

Open Room:				Closed Room:			
West	North	East	South	West	North	East	South
	Pass	1♣	Pass		Pass	1♦	Pass
Pass	Dbl	Pass	Pass	1♥	Pass	1♠	Pass
1♥	Pass	Pass	1NT	2♥	Pass	3♥	All Pass
All Pass							

Trick 1: S6 S5 S2 SI Trick 1: C7 C2 CQ CT

10 Tricks +180. 8 Tricks -50

4 IMPs to *Bjerkan*

**South should bid 2NT as her pass of 1♣ X might have been weaker. North might still make a try.**

ROBOT PLAY:

West	North	East	South
WBridge5	Q-Plus	WBridge5	Q-Plus
	Pass	1♣	Pass
Pass	Dbl	1♠	2♠!

Pass 2 NT Pass 3 ♣<sup>2</sup>  
 Pass 3 ♠<sup>3</sup> Pass 3 NT

All Pass

1. Alert.
2. Alert.
3. Alert.

Trick	Lead	2nd	3rd	4th
1. E	♣2	<u>Q</u>	10	4
2. S	♦6	2	3	<u>K</u>
3. E	♥2	<u>A</u>	7	6
4. S	♦4	8	9	<u>A</u>
5. E	♥10	♠3	J	<u>Q</u>
6. N	♣7	<u>A</u>	3	J
7. E	♥8	♦7	3	<u>K</u>
8. N	♦5	♠7	<u>Q</u>	10
9. S	<u>♣K</u>	♥4	♠5	5
10. S	<u>♣9</u>	♥5	♠8	6
11. S	<u>♣8</u>	♠4	♠J	♠2
12. S	♠10	6	<u>A</u>	9
13. N	♦J	♠K	♠Q	♥9

+430

West North East South  
*Q-Plus* *WBridge5 Q-Plus* *WBridge5*

Pass Pass 1 ♣ Pass  
 Pass Dbl 1 ♠ 3 NT

All Pass

Trick	Lead	2nd	3rd	4th
1. W	♣J	4	<u>A</u>	3
2. E	♦ <u>K</u>	4	2	3
3. E	♣2	<u>K</u>	10	7
4. S	♦7	8	J	<u>A</u>
5. E	♣6	<u>9</u>	♥3	♠5
6. S	<u>♣8</u>	♥4	♦5	5
7. S	<u>♣Q</u>	♥5	♦9	♠9
8. S	♦ <u>Q</u>	10	♠8	♠2
9. S	♦ <u>6</u>	♠4	♠J	♥2
10. S	♥ <u>A</u>	7	6	8
11. S	♠3	6	<u>A</u>	7

12. N ♥K 10 ♠Q 9  
 13. N ♥Q ♠K ♠10 J

+430  
 Push Board

West	North	East	South
<i>Micro Bridge Jack</i>	<i>Micro Bridge Jack</i>		
	Pass	1 NT (12-14)	Pass
2 ♦ <sup>1</sup>	Pass	2 ♥ <sup>2</sup>	All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	<u>♣K</u>	J	7	6

+110

West	North	East	South
<i>Jack</i>	<i>Micro Bridge Jack</i>	<i>Micro Bridge</i>	
	Pass	1 ♣	Pass
Pass	Dbl	Pass	Pass
1 ♥	2 NT	3 ♥	Pass
Pass	3 NT	All Pass	

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	♥8	<u>A</u>	9	6
2. S	♦4	2	J	<u>K</u>
3. E	♠2	3	6	<u>8</u>
4. N	♦5	<u>A</u>	7	8
5. E	♥10	♣3	5	<u>Q</u>
6. N	♣7	2	<u>K</u>	J
7. S	<u>♦Q</u>	10	3	♣5
8. S	♦6	♥4	<u>9</u>	♠7
9. N	<u>♥K</u>	2	♠10	3
10. N	♣4	6	<u>Q</u>	10
11. S	♣9	♥7	♠5	<u>A</u>
12. E	♠K	Q	4	<u>A</u>
13. N	<u>♠J</u>	9	♣8	♥J

+430  
 Micro Bridge +11 IMPs

Robot versus Human: Robots +5 IMPs  
**Compare Micro Bridge's bidding with the Wagar Open Room**



**Board 2**  
 East Deals  
 N-S Vul

♠ K Q 8  
 ♥ K  
 ♦ Q 5 2  
 ♣ A J 10 7 6 4

♠ 2  
 ♥ Q J 10 5  
 ♦ A 10 9 8 6 4 3  
 ♣ K



♠ A J 7 4  
 ♥ 9 6 4 2  
 ♦ J 7  
 ♣ 9 8 3

♠ 10 9 6 5 3  
 ♥ A 8 7 3  
 ♦ K  
 ♣ Q 5 2

Open Room:

West	North	East	South
		Pass	Pass
3♦	3NT	All Pass	

Closed Room:

West	North	East	South
		Pass	Pass
1♦	2♣	Dbl	3♣
3♦	3NT	All Pass	

Trick 1:	DK	D7	D8	D2	Trick 1:	DK	D7	D4	D5
Trick 2:	S3	S4	S2	SK	Trick 2:	ST	S4	S2	SQ
Trick 3:	CA	C2	C3	CK	Trick 3:	SK	S6	S7	D6
Trick 4:	C4	C5	C8	D4	Trick 4:	S8	S3	SJ	D8
Trick 5:	C9	D3	C6	CQ	Trick 5:	SA	D3	C6	S5
Trick 6:	S6	S7	DT	S8	Trick 6:	C9	CK	CA	C2
Trick 7:	CJ	H8	H2	D6	Trick 7:	CJ	CQ	C3	D9
Trick 8:	CT	H7	H4	D9	Trick 8:	S9	C8	HQ	D2
Trick 9:	C7	H3	H6	H5	Trick 9:	C5			
Trick 10:	SQ	S5	SA						

9 Tricks +600.

7 Tricks -200.

13 IMPs to *Bjerkan*.

**In the Open Room, North bid the proverbial 3NT and played for East to err. East sees North's hand and counts 6 clubs, 3 diamonds, and ? spades. Why would West play the ♠2 from ♠82, and then not pitch the ♠8? Answer, she wouldn't. This leaves declarer with the hand she actually held. HA is +300 and a 3 IMP gain rather than a 13 IMP loss.**

**In the Closed Room, Baker overbid to 3NT and North did not give East a chance to err.**

ROBOT PLAY:

West	North	East	South
<i>Jack</i>	<i>Micro Bridge</i>	<i>Jack</i>	<i>Micro Bridge</i>
		Pass	Pass
1♦	2♣	Dbl	Pass
2♥	Pass	2♠	3♣
Pass	Pass	3♥	All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
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1. N	<u>♠K</u>	3	7	2
2. N	♠8	5	A	<u>♥5</u>
3. W	♣K	<u>A</u>	2	3
4. N	♣J	<u>Q</u>	8	♦6
5. E	♠10	4	<u>♥10</u>	Q
6. W	♦3	2	<u>K</u>	7
7. E	♣5	9	<u>♥J</u>	4
8. W	<u>♦A</u>	5	♠6	J
9. W	♦4	Q	♥7	<u>♥9</u>
10. S	♥2	Q	K	<u>A</u>
11. E	<u>♥8</u>	4	♦8	♣6
12. E	♥3	<u>6</u>	♦9	♣7
13. S	<u>♠J</u>	♦10	♣10	9

-50

West	North	East	South
<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>	
			Pass

4 ♦ All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. N	<u>♠K</u>	3	7	2

+130

Micro Bridge + 5 IMPs

West	North	East	South
<i>Q-Plus</i>	<i>WBridge5 Q-Plus</i>	<i>Q-Plus</i>	<i>WBridge5</i>
		Pass	Pass

1 ♦ 2 ♣ Dbl Pass

2 ♥ Pass Pass 3 ♣

All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	<u>♥A</u>	2	5	K

+110

West	North	East	South
<i>WBridge5 Q-Plus</i>	<i>WBridge5 Q-Plus</i>	<i>Q-Plus</i>	<i>Q-Plus</i>
		Pass	Pass

1 ♦ 2 ♣ Dbl<sup>1</sup> Pass

2 ♥	Pass	Pass	3 ♣
Pass	Pass	3 ♥	All Pass

-50

Wbridge5 + 2 IMPs

Robot versus Human: Robots +4 IMPs

**Board 3**  
 South Deals  
 E-W Vul

♠ 8 7 6 4 2  
 ♥ K J 10 4  
 ♦ J  
 ♣ A Q 3

♠ —  
 ♥ A 7  
 ♦ K Q 10 9 8 7 6  
 ♣ 10 8 7 2



♠ A J 10 3  
 ♥ 8 6 5 3  
 ♦ A 2  
 ♣ K J 4

♠ K Q 9 5  
 ♥ Q 9 2  
 ♦ 5 4 3  
 ♣ 9 6 5

Open Room:

West	North	East	South
			Pass
1♦	1♣	Dbl	3♦
4♦	Pass	4♣	Dbl
5♦	All Pass		

Closed Room:

West	North	East	South
			Pass
3♦	Dbl	Pass	3♠
All Pass			

Trick 1:	S8	SA	S5	H7	Trick 1:	DK	DJ	D2	D5
Trick 2:	DA	D3	D6	DJ	Trick 2:	C7	CA	C4	C5
Trick 3:	D2	D4	DK	S7	Trick 3:	S2	S3	SK	DT
Trick 4:	DQ	S2	H3	D5	Trick 4:	H2	H7	HK	H6
Trick 5:	DT	S4	H5	H9	Trick 5:	S6	SA	S5	D6
Trick 6:	C2	C3	CJ	C6	Trick 6:	SJ	SQ	D7	S4
Trick 7:	S3	S9	D7	S6	Trick 7:	HQ	HA	H4	H3
Trick 8:	C7	CA	C4	C5	Trick 8:	CT	CQ	CK	C6
Trick 9:	CQ	CK	C9		Trick 9:	ST	S9	D8	S7
					Trick 10:	CJ	C9	C2	C3

12 Tricks +620.  
 11 IMPs to Baker.

7 Tricks -100.

ROBOT PLAY:

West	North	East	South	
<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>		
			Pass	
3♦	Pass	4♦ <sup>1</sup>	Pass	
5♦	All Pass			
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. N	♥J	3	2	<u>A</u>

+620

West	North	East	South
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Jack      Micro Bridge Jack      Micro Bridge  
Pass

3 ♦      All Pass

+150

Micro Bridge +10 IMPs

West      North      East      South  
WBridge5 Q-Plus      WBridge5 Q-Plus

3 ♦      Dbl      Pass      3 ♠  
Pass      Pass      Dbl      All Pass

Trick	Lead	2nd	3rd	4th
1. W	♣ 7	3	<u>J</u>	5
2. E	♥ 6	2	<u>A</u>	4
3. W	♣ 2	<u>A</u>	4	6
4. N	♠ 2	3	<u>K</u>	♣ 8
5. S	<u>♥ Q</u>	7	10	3
6. S	♥ 9	♦ 6	<u>J</u>	5
7. N	<u>♥ K</u>	8	♣ 9	♦ 7
8. N	♣ Q	K	<u>♠ 5</u>	10
9. S	♦ 3	<u>Q</u>	J	2
10. W	♦ K	<u>♠ 4</u>	A	4
11. N	♠ 6	10	<u>Q</u>	♦ 8
12. S	♠ 9	♦ 9	7	<u>J</u>
13. E	<u>♠ A</u>	♦ 5	♦ 10	8

-100

West      North      East      South  
Q-Plus      WBridge5 Q-Plus      WBridge5  
Pass

3 ♦      All Pass

Trick	Lead	2nd	3rd	4th
1. N	♥ J	3	2	<u>A</u>

+170

Q-Plus Bridge +2 IMPs

Score: Robots versus Humans, Humans +2.5 IMPs

**Board 4**  
West Deals  
Both Vul

♠ 10 9 8 5  
♥ 10 3  
♦ 10 8 7 6 4  
♣ Q 10

♠ 3  
♥ A J 8 5 2  
♦ —  
♣ A K 9 8 6 3 2



♠ A Q J 2  
♥ Q 9 7 6  
♦ K Q  
♣ J 5 4

♠ K 7 6 4  
♥ K 4  
♦ A J 9 5 3 2  
♣ 7

Open Room:

West	North	East	South
1♣	Pass	1♦	Dbl
1♥	Pass	1♠	Pass
3♣	Pass	3NT	All Pass

Closed Room:

West	North	East	South
2♣	Pass	2♦	Pass
2♥	Pass	2NT	Pass
3♥	All Pass		

Trick 1:	H6	H2	HT	HK	Trick 1:	ST	S4	S2	S3
Trick 2:	C7	C5	CA	CT	Trick 2:	S5	S6	SQ	H2
Trick 3:	CK	CQ	D5	C4	Trick 3:	H5	H3	HK	H6
Trick 4:	C2	D8	D3	CJ	Trick 4:	DA	DQ	C3	D4
Trick 5:	SQ	S3	ST	SK	Trick 5:	D2	DK	H8	D6
Trick 6:	DA	DQ	H5	D4	Trick 6:	CA	CT	C7	C4
Trick 7:	H4	H7	HA	H3	Trick 7:	C2	CQ	H4	C5
					Trick 8:	DJ	CJ	C6	D7
					Trick 9:	D3	SJ	HJ	D8
10 Tricks +630.					Trick 10:	HA	HT	D5	H7
					Trick 11:	CK			

9 Tricks +140.

10 IMPs to Baker.

ROBOT PLAY:

West	North	East	South
<i>Q-Plus</i>	<i>WBridge5</i>	<i>Q-Plus</i>	<i>WBridge5</i>
1♣	Pass	1♦	Dbl
1♥	Pass	1♠	Pass
2♥	Pass	3NT	Pass
4♣	Pass	4♦ <sup>1</sup>	Pass
4♥ <sup>2</sup>	Pass	4NT	Pass
5♣ <sup>3</sup>	Pass	6♣	All Pass

1. Alert
2. Alert
3. Alert

Trick	Lead	2nd	3rd	4th
1. N	♠ 10	4	<u>J</u>	3

-200

West	North	East	South
<i>WBridge5 Q-Plus</i>	<i>WBridge5 Q-Plus</i>		
1 ♣	Pass	1 ♦	Dbl
2 ♣	Pass	2 ♠	Pass
3 ♣	All Pass		

Trick	Lead	2nd	3rd	4th
1. N	<u>♠ 10</u>	4	2	3

+130

Wbridge5 +8

West	North	East	South
<i>Jack</i>	<i>Micro Bridge Jack</i>	<i>Micro Bridge</i>	
1 ♣	Pass	1 ♠	Pass
2 ♣	Pass	2 NT	Pass
4 ♥	All Pass		

Trick	Lead	2nd	3rd	4th
1. N	♦ 4	<u>A</u>	Q	♠ 3
2. E	♣ 7	4	<u>K</u>	10
3. W	<u>♣ A</u>	Q	♦ 2	5
4. W	♣ 2	♦ 6	<u>♥ 4</u>	J
5. E	<u>♥ K</u>	6	2	3
6. E	♦ J	K	<u>♥ 5</u>	7
7. W	<u>♥ A</u>	10	♦ 3	7
8. W	♣ 3	♦ 8	♠ 4	<u>♥ 9</u>
9. S	♠ A	<u>♥ 8</u>	5	6
10. W	♣ 6	♦ 10	♦ 5	<u>♥ Q</u>
11. S	♠ Q	♣ 8	8	<u>K</u>
12. E	<u>♦ 9</u>	♠ 2	♣ 9	♠ 9
13. E	♠ 7	J	<u>♥ J</u>	10

+650

West	North	East	South
<i>Micro Bridge Jack</i>	<i>Micro Bridge Jack</i>		

1 ♥	Pass	1 ♠	Pass
2 ♣	Pass	2 NT	Pass
4 ♣	Pass	4 ♥	Pass
4 NT <sup>1</sup>	Pass	5 ♥ <sup>2</sup>	Dbl
6 ♣	All Pass		

<sup>1</sup>Alert.  
<sup>2</sup>Alert

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. N	♠ 10	K	<u>♠</u>	3
2. S	♠ Q	<u>♣ 2</u>	5	4
3. W	♥ 2	3	<u>♠</u>	6
4. E	<u>♦ A</u>	K	♥ 5	6
5. E	♥ 4	7	<u>♠</u>	10
6. W	♥ 8	<u>♣ 10</u>	♠ 7	9
7. N	♦ 7	J	Q	<u>♣ 3</u>
8. W	♥ J	<u>♣ Q</u>	♠ 6	Q
9. N	♦ 10	3	♠ 2	<u>♣ 6</u>
10. W	<u>♣ K</u>	♠ 8	7	4
11. W	<u>♣ A</u>	♦ 4	♦ 2	5
12. W	♣ 8	♦ 8	♦ 5	<u>♠</u>
13. S	♠ J	<u>♣ 9</u>	9	♦ 9

-300

Jack +14 IMPs

Score: Robots versus Humans. Humans +5.5 IMPs

**Board 5**

North Deals  
N-S Vul

♠ J 9  
♥ A 10 4 3  
♦ Q 6 5 3 2  
♣ A 8

♠ K 10 8 7 5 4  
♥ K 7  
♦ J 9 8 4  
♣ K



♠ Q 2  
♥ Q 8  
♦ K  
♣ Q 9 7 6 5 4 3 2

♠ A 6 3  
♥ J 9 6 5 2  
♦ A 10 7  
♣ J 10

Open Room:

West	North	East	South
	Pass	Pass	Pass
2♠	All Pass		

Closed Room:

West	North	East	South
	Pass	3♣	All Pass

Trick 1:	CA	C2	CT	CK	Trick 1:	H5	H7	HT	HQ
Trick 2:	SJ	SQ	SA	S4	Trick 2:	C6	CT	CK	CA
Trick 3:	S3	SK	S9	S2	Trick 3:	HA	H8	H2	HK
Trick 4:	ST	H3	C3	S6	Trick 4:	H4	C5	H9	S4
Trick 5:	H7	HA	H8	H9	Trick 5:	CQ	CJ	S5	C8
Trick 6:	D2	DK	DA	D4	Trick 6:	S2	SA	S7	S9
Trick 7:	DT	DJ	DQ		Trick 7:	HJ	D4	H3	C2
					Trick 8:	C9	S6	D8	D2
8 Tricks +110.					Trick 9:	C7	S3	S8	D3

10 Tricks +130.

1 IMPs to *Bjerkan*.

ROBOT PLAY:

West	North	East	South
<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>	
	1 ♦	3 ♣	All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	♥ 2	K	<u>A</u>	8

+110

At all other tables East opened 3C and +110  
Push Boards

Score: Robots versus Humans, Robots +1.5 IMPs

**Board 6**

East Deals ♠ 10 3  
 ♥ A Q 9 5 2  
 E-W Vul ♦ 9 8 3 2  
 ♣ 8 4

♠ A K J 5 4  
 ♥ 6 4  
 ♦ A J  
 ♣ A K J 6



♠ 6 2  
 ♥ J 10 7  
 ♦ K 7 6 5  
 ♣ Q 10 9 7

♠ Q 9 8 7  
 ♥ K 8 3  
 ♦ Q 10 4  
 ♣ 5 3 2

Open Room:

West	North	East	South
		Pass	Pass
2NT	Pass	3NT	All Pass

Closed Room:

West	North	East	South
		Pass	Pass
1♣	1♥	Dbl	2♥
3♠	Pass	4♠	All Pass

Trick 1:	H5	HJ	HK	H4
Trick 2:	H8	H6	HQ	H7
Trick 3:	HA	HT	H3	S4
Trick 4:	H9	D5	S7	S5
Trick 5:	H2			

Trick 1:	C8	CT	C2	C6
Trick 2:	S2	S7	SJ	S3
Trick 3:	SA	ST	S6	S9
Trick 4:	SK	H9	D5	S8
Trick 5:	CA	C4	C7	C3
Trick 6:	CK	H2	C9	C5
Trick 7:	CJ			

8 Tricks -100.

10 Tricks 620.

12 IMPs to *Bjerkan*.

**In the Open Room, West is too strong for 2NT even opposite a passed hand.**

ROBOT PLAY:

West	North	East	South
<i>WBridge5 Q-Plus</i>		<i>WBridge5 Q-Plus</i>	
		Pass	Pass
2♦	2♥	Pass	Pass
2♠	Pass	3♥ <sup>1</sup>	Dbl
4♣	Pass	4NT	Pass
5♣	Pass	6♣	All Pass

<sup>1</sup>Alert

Trick	Lead	2nd	3rd	4th
1. N	♥A	7	8	4
2. N	♥5	10	<u>K</u>	6

-100

West	North	East	South	
<i>Q-Plus</i>	<i>WBridge5</i>	<i>Q-Plus</i>	<i>WBridge5</i>	
		Pass	Pass	
2 ♣ <sup>1</sup>	Pass	2 ♦	Pass	
2 ♠	Pass	3 NT	Pass	
Pass	Pass			
	<sup>1</sup> Alert.			
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	♥ 8	4	<u>A</u>	7
2. N	♥ 5	10	<u>K</u>	6
3. S	♦ 4	<u>J</u>	3	5

+600

Q-Plus Bridge +12 IMPs

**Against 3NT, Wbridge5-South found the heart lead but didn't find the continuation after winning the king.**

West	North	East	South
<i>Jack</i>	<i>Micro Bridge</i>	<i>Jack</i>	<i>Micro Bridge</i>
		Pass	Pass
2 ♣	Pass	2 NT <sup>1</sup>	Pass
3 ♠	Pass	3 NT	All Pass

1 2NT = 6-10 hcp. Hans Kuijff reports on Jack's methods. Jack uses 2♣ and 2♦ as strong. 2♣ is almost a strong two suiter. 2NT response to 2♣ is a limited balanced hand and GF. It is not 8+ but limited. We think that is a bit better. Bidding on with two unlimited hands is difficult for humans but even more so for robots.

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	♣ 5	<u>K</u>	4	7
2. W	♣ 6	8	<u>10</u>	2
3. E	♣ 9	3	<u>A</u>	♥ 5
4. W	♣ J	♥ 2	<u>Q</u>	♥ 3
5. E	♥ 7	8	4	<u>9</u>
6. N	♦ 9	6	Q	<u>A</u>

**At trick 5, after North signaled encouraging and South discouraging, declarer led a heart. From declarer's point of view it might endplay North, or cut communications if the hearts are not run, or on the run of 4 hearts, squeeze South, which might reveal a winning drop of ♠Qx in the North hand.**

West	North	East	South
<i>Micro Bridge</i>	<i>Jack</i>	<i>Micro Bridge</i>	<i>Jack</i>
		Pass	Pass
2 ♣ <sup>1</sup>	Pass	2 ♦ <sup>2</sup>	Pass

2 ♠      Pass      2 NT      Pass  
 3 ♣      Pass      3 ♠      Pass  
 3 NT      Pass      Pass      Pass

<sup>1 2</sup> Alert

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	♥ 3	6	<u>♠</u>	7
2. N	♥ 5	J	<u>♠</u>	4
3. S	♥ 8	♠ 5	<u>♠</u>	10
4. N	<u>♥ 9</u>	♦ 5	♣ 2	♣ 6
5. N	<u>♥ 2</u>	♦ 7	♣ 3	♠ 4

-100  
 Jack + 12 IMPs

Score: Robots versus Humans, Humans +3 IMPs

Commented [a1]:



**Board 7**  
 South Deals  
 Both Vul

♠ A J  
 ♥ A K J 10 6 2  
 ♦ 9  
 ♣ K J 4 3

♠ 10 8 7 4  
 ♥ Q 8  
 ♦ 8 7 4  
 ♣ A 9 8 6



♠ K Q 9 2  
 ♥ 9 7 4  
 ♦ 10 5 2  
 ♣ 10 5 2

♠ 6 5 3  
 ♥ 5 3  
 ♦ A K Q J 6 3  
 ♣ Q 7

Open Room:

West	North	East	South
			1♦
Pass	1♥	Pass	2♦
Pass	3♣	Pass	3♦
Pass	3NT	All Pass	

Closed Room:

West	North	East	South
			1♦
Pass	1NT	Pass	2♥
Pass	2♠	Pass	3♣
Pass	3♦	Pass	3NT
Pass	4♣	Pass	4♥
All Pass			

Trick 1:	SK	S3	S7	SA
Trick 2:	D9	D5	DA	D4
Trick 3:	DK	D7		

13 Tricks +720.

Trick 1:	S7	SA	S2	S3
Trick 2:	HA	H4	H3	H8
Trick 3:	HK	H7	H5	HQ
Trick 4:	HJ	H9	S5	

13 Tricks +710.

Push Board.

ROBOT PLAY:

West	North	East	South
<i>Q-Plus</i>	<i>WBridge5</i>	<i>Q-Plus</i>	<i>WBridge5</i>
			1♦
Pass	2♥	Pass	2NT
Pass	3♥	Pass	4♥
Pass	4NT	Pass	5♦
Pass	6♥	All Pass	

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	♠K	3	4	<u>A</u>
2. N	♥ <u>K</u>	4	3	8
3. N	♥ <u>A</u>	7	5	Q
4. N	♥ <u>10</u>	9	♣7	♠7

5. N    ♦ 9       2       J       4

+1460

West       North       East       South  
*WBridge5 Q-Plus*    *WBridge5 Q-Plus*

Pass       2 ♥       Pass       3 ♦  
Pass       3 ♥       Pass       4 ♥

All Pass

Trick	Lead	2nd	3rd	4th
1. E	♠ K	3	7	<u>A</u>
2. N	♥ A	4	5	8
3. N	♥ K	7	3	Q
4. N	♥ J	9	♠ 5	♦ 4
5. N	♦ 9	2	<u>A</u>	7

+710

Wbridge5 + 13 IMPs

West       North       East       South  
*Micro Bridge Jack*    *Micro Bridge Jack*

Pass       2 ♥       Pass       4 ♥

All Pass

Trick	Lead	2nd	3rd	4th
1. E	♠ K	3	4	<u>A</u>
2. N	♥ K	4	3	8
3. N	♥ A	7	5	Q
4. N	♥ 10	9	♠ 5	♣ 9
5. N	♥ 2	♠ 2	♠ 6	♣ 6
6. N	♦ 9	2	J	4

West       North       East       South  
*Jack*       *Micro Bridge Jack*    *Micro Bridge*

Pass       2 ♥       Pass       3 ♦  
Pass       3 ♥       Pass       4 ♥  
Pass       4 NT<sup>1</sup>    Pass       5 ♣<sup>2</sup>  
Pass       6 ♥       All Pass

<sup>1 2</sup> Alert

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	♠K	3	8	<u>♠A</u>
2. N	<u>♥K</u>	7	3	8
3. N	♦9	5	<u>♠A</u>	7
4. S	<u>♦K</u>	4	♠J	2
5. S	♥5	Q	<u>♠A</u>	4
6. N	<u>♥10</u>	9	♠6	♠4
7. N	♣4	2	Q	<u>♠A</u>
8. W	♣6	3	<u>10</u>	7
9. E	♠Q	5	7	<u>♥2</u>
10. N	<u>♥6</u>	♠2	♦6	♦8
11. N	<u>♣J</u>	5	♦3	8
12. N	<u>♣K</u>	♠9	♦Q	9
13. N	<u>♥J</u>	♦10	♦J	♠10

An interesting line of play by Micro Bridge. The percentage play is the heart finesse. That has to be coupled with either (1) diamonds 3-3 (36%) or (2) the club ace with East and diamonds no worse than 4-2 (42%).

-100

Jack + 13 IMPs

Score: Robots versus Humans, =

**Board 8**  
West Deals  
None Vul

♠ 7 2  
♥ K J 9 8  
♦ 6 5  
♣ A 10 8 7 4

♠ A K  
♥ 10 7 6 4 2  
♦ K 4  
♣ Q 9 5 3



♠ 10 9 8 6 5 4  
♥ Q  
♦ Q J 8 3  
♣ 6 2

♠ Q J 3  
♥ A 5 3  
♦ A 10 9 7 2  
♣ K J

Open Room:

West	North	East	South
1♥	Pass	1♠	Pass
1NT	Pass	2♠	All Pass

Closed Room:

West	North	East	South
1♥	Pass	1♠	1NT
Pass	3NT	All Pass	

Trick 1:	CK	C3	C4	C6	Trick 1:	C3	C7	C6	CJ	
Trick 2:		CJ	CQ	CA	C2	Trick 2:	HA	H2	H8	HQ
Trick 3:		C8	HQ	S3	C5	Trick 3:	CK	C5	C4	C2
Trick 4:		D7	D4	D5	<b>DJ (8?)</b>	Trick 4:	H5	H7	HJ	S4
Trick 5:		S4	SJ	SK	S2	Trick 5:	CA	S5	D7	C9
						Trick 6:	C8	D8	D2	CQ
						Trick 7:	DK	D5	D3	DA
						Trick 8:	H3	H4	H9	S6
						Trick 9:	HK	S8	D9	H6
						Trick 10:	CT	ST	S3	D4

9 Tricks +140.

9 Tricks +400.

11 IMPs to Baker.

ROBOT PLAY:

West	North	East	South
Jack	Micro Bridge Jack	Jack	Micro Bridge
1♥	Pass	1♠	2♦
All Pass			

Trick	Lead	2nd	3rd	4th
1. W	♠ <u>A</u>	2	9	3
2. W	♣3	4	6	<u>K</u>
3. S	♣J	5	<u>A</u>	2
4. N	♦6	3	9	<u>K</u>
5. W	♥7	<u>K</u>	Q	5
6. N	♦5	J	<u>A</u>	4

7. S	♦ 7	♥ 6	♥ 9	<u>8</u>
8. E	♠ 4	Q	<u>K</u>	7
9. W	♥ 2	<u>8</u>	♠ 5	3
10. N	♣ 8	♠ 6	<u>♦ 10</u>	9
11. S	♥ A	4	J	<u>♦ Q</u>
12. E	♠ 10	<u>J</u>	♥ 10	♣ 10
13. S	<u>♦ 2</u>	♣ Q	♣ 7	♠ 8

+90

West	North	East	South
<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>	
1 ♥	Pass	1 ♠	2 ♦

All Pass

Trick	Lead	2nd	3rd	4th
1. W	<u>♠ A</u>	2	4	3
2. W	♥ 2	8	Q	<u>A</u>
3. S	<u>♦ A</u>	4	5	3
4. S	♦ 2	<u>K</u>	6	8
5. W	<u>♠ K</u>	7	5	J
6. W	♥ 4	9	<u>♦ J</u>	3
7. E	♣ 6	J	Q	<u>A</u>
8. N	♣ 10	2	<u>K</u>	3
9. S	♦ 7	♥ 6	♣ 4	<u>Q</u>
10. E	♠ 10	<u>Q</u>	♣ 5	♣ 7
11. S	♥ 5	10	<u>J</u>	♠ 6
12. N	♥ K	♠ 8	<u>♦ 9</u>	7
13. S	<u>♦ 10</u>	♣ 9	♣ 8	♠ 9

+90

Push Board

West	North	East	South	
<i>WBridge5 Q-Plus</i>		<i>WBridge5 Q-Plus</i>		
1 ♥	Pass	1 ♠	Pass	
2 ♣	Pass	2 ♥	All Pass	
Trick	Lead	2nd	3rd	4th
1. N	♠ 7	4	3	<u>A</u>
2. W	♦ K	6	3	<u>A</u>
3. S	♠ Q	<u>K</u>	2	5
4. W	♦ 4	5	<u>J</u>	2
5. E	<u>♦ Q</u>	7	♣ 9	♣ 8

6. E	♥Q	<u>A</u>	2	9
7. S	♦10	♥7	<u>♥8</u>	8
8. N	<u>♣A</u>	2	J	3
9. N	<u>♣10</u>	6	<u>K</u>	5
10. S	♦9	♥10	<u>♥J</u>	♠6
11. N	♣4	♠8	<u>♥3</u>	Q
12. S	♠J	♥4	<u>♥K</u>	9
13. N	♣7	♠10	♥5	<u>♥6</u>

-150

West	North	East	South
<i>Q-Plus</i>	<i>WBridge5</i>	<i>Q-Plus</i>	<i>WBridge5</i>
1 ♥	Pass	1 ♠	2 ♦

All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. W	<u>♠K</u>	2	4	3
2. W	♣3	4	6	<u>J</u>
3. S	<u>♦A</u>	4	5	8
4. S	♦2	<u>K</u>	6	3
5. W	♣9	<u>A</u>	2	K
6. N	♥8	Q	<u>A</u>	2
7. S	♦9	♥4	♣7	<u>J</u>
8. E	♠5	Q	<u>A</u>	7
9. W	♥7	<u>J</u>	♠6	3
10. N	♣10	♠8	<u>♦10</u>	5
11. S	♥5	6	<u>9</u>	♠9
12. N	♣8	<u>♦Q</u>	♦7	Q
13. E	♠10	<u>J</u>	♥10	♥K

+90

Wbridge5 +2 IMPs

Score: Robots versus Humans, Humans +4

**Board 9**  
 North Deals  
 E-W Vul

♠ A Q 10 7  
 ♥ A 3 2  
 ♦ 10 5 4  
 ♣ K 7 6

♠ 8 3 2  
 ♥ J 5  
 ♦ A J 9 7 6  
 ♣ 10 4 2



♠ J 5  
 ♥ K 7 6  
 ♦ Q 8 3  
 ♣ A Q J 9 5

♠ K 9 6 4  
 ♥ Q 10 9 8 4  
 ♦ K 2  
 ♣ 8 3

Open Room:

West	North	East	South
	Pass	1♣	1♥
Pass	2♣	Pass	2♥
All Pass			

Trick 1:	C2	C6	CJ	C3
Trick 2:	D3	DK	DA	D4
Trick 3:	C4	C7	CQ	C8
Trick 4:	CA	H4	CT	CK
Trick 5:	H8	H5	HA	H6
Trick 6:	H2	H7	HQ	HJ
Trick 7:	S4	S2	SQ	S5
Trick 8:	S7	SJ		

Closed Room:

West	North	East	South
	1♦	2♣	Dbl
3♣	All Pass		

Trick 1:	DK	DA	D4	D8
Trick 2:	CT	C7	C5	C8
Trick 3:	C2	C6	CQ	C3
Trick 4:	CA	HT	C4	CK
Trick 5:	DQ	D2	D6	D5
Trick 6:	D3	H9	DJ	DT
Trick 7:	D9			

11 Tricks +150.

8 Tricks +110.  
 6 IMPs to *Bjerkan*.

ROBOT PLAY:

West	North	East	South
<i>WBridge5 Q-Plus</i>	<i>WBridge5 Q-Plus</i>		
<i>Q-Plus</i>	<i>WBridge5 Q-Plus</i>	<i>WBridge5</i>	
	1♣	Pass	1♥
Pass	1♣	Pass	2♣
All Pass			

+110  
 Push Board

West	North	East	South
<i>Micro Bridge Jack</i>	<i>Micro Bridge Jack</i>		
	1♣	Pass	1♥

Pass      1 ♠      Pass      3 ♠

All Pass

*Trick    Lead    2nd    3rd    4th*

1. E    ♦ 3      K      A      5

-50

West      North      East      South

*Jack      Micro Bridge Jack      Micro Bridge*

1 NT (12-14) Pass      2 ♣

Pass      2 ♠      All Pass

*Trick    Lead    2nd    3rd    4th*

1. E    ♥ 6      10      J      A

+110

Micro Bridge +4 IMPs

Score: Robots versus Humans, Humans +3 IMPs



**Board 10**

East Deals

Both Vul

♠ A 10

♥ 8 7

♦ A K Q 5

♣ A 9 5 3 2

♠ —

♥ A K 10 3

♦ J 10 9 8 7 6 4

♣ 6 4



♠ J 7 5 4 3

♥ 6 5 4 2

♦ 3 2

♣ K 7

♠ K Q 9 8 6 2

♥ Q J 9

♦ —

♣ Q J 10 8

Open Room:

West North East South

Pass 1♠

3♦ 3NT Pass 4♠

Pass 6♣ All Pass

Closed Room:

West North East South

Pass 2♠

Pass 2NT Pass 3♠

Pass 4♦ Pass 5♦

Pass 5♠ All Pass

Trick 1:	HK	H7	H2	H9	Trick 1:	HK	H7	H2	H9
Trick 2:	HA	H8	H4	HJ	Trick 2:	HA	H8	H4	HJ
Trick 3:	D7	DA	D3	C8	Trick 3:	C6	CA	C7	C8
Trick 4:	SA	S3	S2	DT	Trick 4:	ST	S3	SK	D4
Trick 5:	ST	S4	SK	D4	Trick 5:	S2	D7	SA	S4
Trick 6:	SQ	D6	C2	S5	Trick 6:	DA	D2	CT	D6
Trick 7:	S9	C6	C3	S7	Trick 7:	DK	D3	CQ	D8
Trick 8:	S8	C4	C5	SJ	Trick 8:	DQ	S5	S6	
Trick 9:	H6	HQ	H3	D5					

10 Tricks -200.

Push Board.

9 Tricks -200.

ROBOT PLAY:

West North East South  
*Q-Plus WBridge5 Q-Plus WBridge5*

Pass 1♠

2♦ 3♦<sup>1</sup> Pass 3♠

Pass 4♣ Dbl Pass

Pass Rdbl All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. W	♥A	7	6	9
2. W	♥K	8	2	J
3. W	♦9	Q	3	♣8

4. N	<u>♦A</u>	2	♣10	4
5. N	♠10	3	<u>K</u>	♦6
6. S	♠2	♦7	<u>A</u>	4
7. N	♦K	♠5	<u>♠9</u>	8
8. S	♣J	6	<u>A</u>	7
9. N	♦5	♥4	<u>♠6</u>	10
10. S	♥Q	3	♣2	5
11. S	♣Q	4	3	<u>K</u>
12. E	♠7	<u>8</u>	♥10	♣5
13. S	<u>♠Q</u>	♦J	♣9	J

+1080

West	North	East	South
<i>WBridge5</i>	<i>Q-Plus</i>	<i>WBridge5</i>	<i>Q-Plus</i>
		Pass	1 ♠
2 ♦	3 ♣	Pass	4 ♦ <sup>1</sup>
Pass	4 ♠ <sup>2</sup>	Pass	5 ♣
Pass	6 ♣	Pass	Pass
Dbl	6 NT	Dbl	All Pass

<sup>1</sup>. Alert.

<sup>2</sup>. Alert.

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	♥6	J	<u>K</u>	7

-800

Wbridge5 +18 IMPs

West	North	East	South
<i>Jack</i>	<i>Micro Bridge Jack</i>	<i>Micro Bridge</i>	<i>Micro Bridge</i>
		Pass	1 ♠
3 ♦	Dbl <sup>1</sup>	Pass	3 ♠
Pass	5 ♠	Pass	6 ♠

All Pass

<sup>1</sup> Alert

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. W	♥ <u>A</u>	8	6	9
2. W	♥ <u>K</u>	7	2	J
3. W	♦J	<u>A</u>	2	♣8
4. N	<u>♠A</u>	4	2	♣4
5. N	<u>♣A</u>	7	Q	6

6. N	<u>♠10</u>	J	<u>K</u>	♦4
7. S	<u>♠9</u>	♦6	♦5	3
8. S	<u>♠Q</u>	♦7	♦K	5
9. S	<u>♠8</u>	♦8	♣9	7
10. S	<u>♥Q</u>	3	♣5	4
11. S	♣10	♦9	3	<u>K</u>
12. E	♦3	♣J	10	<u>Q</u>
13. N	♣2	♥5	<u>♠6</u>	♥10

-200

West	North	East	South
<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>	
		Pass	1 ♠
3 ♦	3 NT	Pass	4 ♠
Pass	4 NT	Pass	5 ♣
Pass	5 ♠	All Pass	

Trick	Lead	2nd	3rd	4th
1. W	<u>♥K</u>	7	2	9
2. W	<u>♥A</u>	8	4	J
3. W	♦J	<u>Q</u>	2	♣8
4. N	<u>♠A</u>	3	2	♦4
5. N	<u>♠10</u>	4	9	♦6
6. N	♦5	3	<u>♠6</u>	7
7. S	<u>♠Q</u>	♦8	♣2	5
8. S	♣10	6	3	<u>K</u>
9. E	♥6	<u>Q</u>	3	♣5
10. S	♣J	4	<u>A</u>	7
11. N	♦A	♠7	<u>♠8</u>	9
12. S	<u>♠K</u>	♦10	♣9	J
13. S	<u>♠Q</u>	♥10	♦K	♥5

-100

Jack +3 IMPs

Score: Robots versus Humans, =

**Board 11**  
 South Deals  
 None Vul

♠ A 8 3  
 ♥ K 10 7  
 ♦ K Q 9 5 3  
 ♣ A 5

♠ 7 2  
 ♥ 9 8 6 2  
 ♦ A 6 4  
 ♣ 9 7 6 2



♠ K 10 6 4  
 ♥ A Q J 5  
 ♦ J 7  
 ♣ Q J 10

♠ Q J 9 5  
 ♥ 4 3  
 ♦ 10 8 2  
 ♣ K 8 4 3

Open Room:

West	North	East	South
			Pass
Pass	1NT	All Pass	

Closed Room:

West	North	East	South
			Pass
Pass	1NT	All Pass	

Trick 1:	CQ	C3	C7	CA	Trick 1:	S4	SQ	S7	S3
Trick 2:	DQ	D7	D2	DA	Trick 2:	DT	D4	DK	D7
Trick 3:	C2	C5	CT	CK	Trick 3:	SA	S6	S5	S2
Trick 4:	DT	D6	D3	DJ	Trick 4:	S8	SK	S9	H6
Trick 5:	CJ	C4	C6	S3	Trick 5:	CQ	CK	C2	C5
Trick 6:	HQ	H3	H6	HK	Trick 6:	SJ	H2	D3	ST
Trick 7:	DK	S6	D8	D4	Trick 7:	D8	DA	D5	DJ
Trick 8:	D9	S4	H4	S7	Trick 8:	H9	HT	HJ	H3
Trick 9:	D5	HJ	S5	S2	Trick 9:	CJ			
Trick 10:	SA	ST	S9	H2					
Trick 11:	S8	SK	SJ		8 Tricks +120.				

8 Tricks +120.

Push Board.

ROBOT PLAY:

West	North	East	South	
Jack	Micro Bridge Jack	Micro Bridge	Micro Bridge	
			Pass	
Pass	1♦	Dbl	1♠	
Pass	1 NT (15-17)	All Pass		
Trick	Lead	2nd	3rd	4th
1. E	♣Q	4	7	<u>A</u>

+90

West	North	East	South
------	-------	------	-------

<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>		
Pass	1 NT	2 $\heartsuit$ <sup>1</sup>	Pass	
2 $\heartsuit$	2 NT	All Pass	Dbl	
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	$\clubsuit$ Q	3	2	<u>A</u>

-50  
Micro Bridge +4 IMPs

West	North	East	South	
<i>WBridge5 Q-Plus</i>	<i>WBridge5 Q-Plus</i>			
Pass	1 NT	2 $\clubsuit$ <sup>1</sup>	Pass	
2 $\heartsuit$	All Pass	Dbl		
	<sup>1</sup> Alert.			
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. N	$\heartsuit$ K	7	2	<u>A</u>

-50

West	North	East	South	
<i>Q-Plus</i>	<i>WBridge5 Q-Plus</i>	<i>WBridge5</i>		
Pass	1 NT	All Pass	Pass	
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	$\clubsuit$ Q	3	2	<u>A</u>

+90  
Wbridge5 +1 IMP

Score: Robots versus Humans, Robots +1 IMP

**Board 12**  
West Deals  
N-S Vul

♠ A Q 5 2  
♥ A K Q 7 6  
♦ K Q 8 3  
♣ —

♠ 4 3  
♥ J 10 3 2  
♦ A J 6 5 2  
♣ J 8



♠ K 10 7  
♥ 5 4  
♦ 10 9 7 4  
♣ K Q 9 5

♠ J 9 8 6  
♥ 9 8  
♦ —  
♣ A 10 7 6 4 3 2

Open Room:

West	North	East	South
Pass	1♥	Pass	1♠
Pass	4♣	Pass	4♠
Pass	5♦	Pass	5♠
All Pass			

Trick 1:	DA	D3	D7	S6
Trick 2:	S8	S3	SQ	SK
Trick 3:	S7	SJ	S4	S2
Trick 4:	CA	C8	D8	C5
Trick 5:	H9	H3	HA	H4
Trick 6:	HK	H5	H8	H2
Trick 7:	HQ	ST	C2	HT

11 Tricks +650.

Push Board.

ROBOT PLAY:

West	North	East	South
Jack	Micro Bridge Jack	Jack	Micro Bridge
Pass	1♥	All Pass	

+170

West	North	East	South
Micro Bridge Jack	Micro Bridge Jack	Jack	Micro Bridge
Pass	1♥	Pass	1♠
Pass	4♣	Pass	4♦

Closed Room:

West	North	East	South
Pass	1♣	Pass	1♦
Pass	1♥	Pass	2♣
Pass	2♦	Pass	2NT
Pass	3♣	Pass	3♥
Pass	4♠	All Pass	

Trick 1:	DT	H8	DA	D3
Trick 2:	HJ	HA	H4	H9
Trick 3:	SA	S7	S6	S3
Trick 4:	S2	ST	SJ	S4
Trick 5:	CA	C8	D8	C5
Trick 6:	C2	CJ	S5	C9
Trick 7:	HK	H5	C3	H2
Trick 8:	HQ	SK	C4	H3

11 Tricks +650.

Commented [a2]:

Pass	4♥	Pass	4♠
Pass	4NT	Pass	5♣
Pass	6♠	All Pass	

Trick	Lead	2nd	3rd	4th
1. W	♦A	3	4	<u>♠9</u>
2. S	<u>♣A</u>	8	♦8	5
3. S	♥8	3	<u>Q</u>	5
4. N	<u>♦K</u>	7	♥9	2
5. N	♠5	7	<u>J</u>	3
6. S	♣2	J	<u>♠2</u>	9
7. N	<u>♦Q</u>	10	♣3	5
8. N	♥6	4	<u>♠6</u>	2
9. S	♠8	4	<u>A</u>	10
10. N	♥A	<u>♠K</u>	♣4	10
11. E	♦9	♣6	J	<u>♠Q</u>
12. N	<u>♥K</u>	♣Q	♣7	J
13. N	<u>♥7</u>	♣K	♣10	♦6

+1430

Jack + 15 IMPs

West	North	East	South
<i>Q-Plus</i>	<i>WBridge5 Q-Plus</i>	<i>Q-Plus</i>	<i>WBridge5</i>
Pass	2♣	Pass	2♦ <sup>1</sup>
Pass	2♥	Pass	3♣
Pass	3♦	Pass	3♠
Pass	4NT	Pass	5♦
Pass	6♠	All Pass	

Trick	Lead	2 <sup>nd</sup>	3rd	4th
1. W	♣J	♦3	9	<u>♣A</u>

-200

West	North	East	South
<i>WBridge5 Q-Plus</i>	<i>Q-Plus</i>	<i>Q-Plus</i>	<i>Q-Plus</i>
Pass	2♣ <sup>1</sup>	Pass	2♦
Pass	2♥	Pass	2NT
Pass	3♠	Pass	4♣ <sup>2</sup>
Pass	4♦ <sup>3</sup>	Pass	5♣ <sup>4</sup>
Pass	5♥ <sup>5</sup>	Pass	6♠
All Pass			

1,2,3,4 Alert.

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	♦ 10	<u>♠ 6</u>	2	3
2. S	<u>♣ A</u>	8	♦ 8	5
3. S	♠ 8	4	Q	<u>K</u>
4. E	♣ K	2	J	<u>♠ 2</u>
5. N	<u>♦ Q</u>	4	♣ 3	5
6. N	<u>♥ A</u>	5	8	3
7. N	♦ K	7	<u>♠ 9</u>	6
8. S	<u>♠ J</u>	3	5	7
9. S	♥ 9	10	<u>K</u>	4
10. N	<u>♠ A</u>	10	♣ 4	♦ J
11. N	<u>♥ Q</u>	♦ 9	♣ 6	2
12. N	♥ 6	♣ 9	♣ 7	<u>J</u>
13. W	<u>♦ A</u>	♥ 7	♣ Q	♣ 10

-200

Push board

Score: Robots versus Humans, Humans +12 IMPs



**Board 13**  
North Deals  
Both Vul

♠ K J 10 6  
♥ 7 6 3  
♦ Q 4  
♣ Q 5 4 2

♠ 5  
♥ A J 4  
♦ A K  
♣ J 10 9 8 7 6 3



♠ A 4 2  
♥ 10 8 2  
♦ J 10 8 7 2  
♣ A K

♠ Q 9 8 7 3  
♥ K Q 9 5  
♦ 9 6 5 3  
♣ —

Open Room:

West	North	East	South
	Pass	1♦	Pass
2♣	Pass	2♦	Pass
3♣	Pass	3♠	Pass
3NT	All Pass		

Closed Room:

West	North	East	South
	Pass	1♦	Pass
2♣	Pass	2NT	Pass
3♣	Pass	5♣	All Pass

Trick 1:	H7	H2	HQ	HA	Trick 1:	H6	H2	HQ	HA
Trick 2:	C3	C2	CK	S3	Trick 2:	C6	C5	CK	S3
Trick 3:	CA	D6	C6	C4	Trick 3:	CA	S9	C3	C2
Trick 4:	D2	D3	DA	D4	Trick 4:	SA	S7	S5	S6
Trick 5:	CJ	CQ	S2	D5	Trick 5:	S2	S8	C8	ST
Trick 6:	S6	SA	S7	S5	Trick 6:	CJ	CQ	D2	SQ
Trick 7:	D7	D9	DK	DQ	Trick 7:	H7	H8	HK	H4
Trick 8:	C9	C5	DT		Trick 8:	H9	HJ	H3	HT

10 Tricks +630.  
1 IMPs to Baker.

11 Tricks +600.

ROBOT PLAY:

West	North	East	South
<i>Micro Bridge Jack</i>		<i>Micro Bridge Jack</i>	
	Pass	1 NT (12-14)	Pass

3 NT All Pass

Trick	Lead	2nd	3rd	4th
1. S	♠7	5	<u>K</u>	4
2. N	♠J	2	8	♥4
3. N	♠10	<u>A</u>	3	♥J
4. E	♣K	♥5	3	4
5. E	♣A	♥9	J	2
6. E	♦2	5	<u>A</u>	4
7. W	♣10	5	♦8	♦3

8. W	♣9	<u>Q</u>	♦7	♦6
9. N	♠6	♥2	<u>9</u>	♣8
10. S	<u>♠Q</u>	♣7	♥3	♦J
11. S	♦9	<u>K</u>	Q	10
12. W	<u>♣6</u>	♥6	♥10	♥Q
13. W	♥ <u>A</u>	7	8	K

-100

West	North	East	South	
<i>Jack</i>	<i>Micro Bridge Jack</i>		<i>Micro Bridge</i>	
	Pass	1♦	Pass	
2♣	Pass	2NT	Pass	
5♣	All Pass			
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. N	♥7	2	Q	<u>A</u>
2. W	♣3	2	<u>K</u>	♥5
3. E	<u>♣A</u>	♣3	6	4
4. E	<u>♠A</u>	7	5	6
5. E	♠4	8	<u>♣7</u>	10
6. W	<u>♣8</u>	5	♦2	♦3

+600

Jack +12 IMPs

West	North	East	South	
<i>WBridge5 Q-Plus</i>	<i>WBridge5 Q-plus</i>			
	Pass	1♦	Pass	
2♣	Pass	2NT	Pass	
3NT	All Pass			
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	♥K	<u>A</u>	3	2
2. W	♣3	2	<u>A</u>	♠3
3. E	<u>♣K</u>	♦3	6	4
4. E	♦2	5	<u>K</u>	4
5. W	♣J	<u>Q</u>	♦7	♥5

+630

West	North	East	South
<i>Q-Plus</i>	<i>WBridge5 Q-Plus</i>		<i>WBridge5</i>
	Pass	1♦	1♠

Dbl	2 ♠	Pass	Pass
Dbl	Pass	3 ♦	Pass
3 ♠ <sup>1</sup>	Pass	3 NT	All Pass

<sup>1</sup>Alert.

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. S	♠9	5	<u>K</u>	2
2. N	<u>♠J</u>	4	7	♥4
3. N	♠10	<u>A</u>	3	♣3
4. E	<u>♣A</u>	♦6	6	5
5. E	<u>♣K</u>	♦3	7	2
6. E	♦2	5	<u>A</u>	4
7. W	♣J	<u>Q</u>	♥2	♦9
8. N	♠6	♥8	<u>8</u>	♦K
9. S	♥K	<u>A</u>	3	10
10. W	<u>♣10</u>	4	♦7	♥5
11. W	<u>♣9</u>	♥6	♦8	♥9
12. W	<u>♣8</u>	♦Q	♦10	♠Q
13. W	♥J	7	♦J	<u>Q</u>

-100

Wbridge5 +12 IMPs

Score: Robots versus Humans, Humans +3 IMPs

**Board 14**

East Deals  
None Vul

♠ A K Q 3  
♥ A J 4  
♦ 4 3  
♣ A Q 8 4

♠ 7 4  
♥ Q 10 9 8 6  
♦ Q J 9  
♣ J 10 6



♠ 10 8 6  
♥ 7 5 2  
♦ A K 8 6  
♣ K 3 2

♠ J 9 5 2  
♥ K 3  
♦ 10 7 5 2  
♣ 9 7 5

Open Room:

West	North	East	South
Pass	2NT	Pass	Pass
Pass	♠3♠	Pass	3♣
		Pass	4♣

All Pass

Closed Room:

West	North	East	South
2♥	Dbl	1NT	Pass
Pass	4♠	All Pass	2♠

Trick 1:	DA	D2	DQ	D3	Trick 1:	DQ	D3	D6	D2
Trick 2:	D6	D5	D9	D4	Trick 2:	HT	HJ	H2	H3
Trick 3:	S7	S3	S6	S9	Trick 3:	H4	H7	HK	H6
Trick 4:	S2	S4	SA	S8	Trick 4:	D5	DJ	D4	D8
Trick 5:	SK	ST	S5	HT	Trick 5:	<b>C6</b>	<b>C4!</b>	<b>CK</b>	<b>C5</b>
Trick 6:	H4	H2	HK	H6	Trick 6:	H5	C7	H8	HA
Trick 7:	<b>C5</b>	<b>C6</b>	<b>CQ?</b>	<b>CK</b>	Trick 7:	CA	C3	C9	CJ
Trick 8:	D8	DT	DJ	SQ	Trick 8:	SA	S6	S2	S4
Trick 9:	CA	C2	C7	CT	Trick 9:	SK	S8	S5	S7
Trick 10:	C4	C3	C9	CJ					
Trick 11:	H8	HA			10 Tricks +420.				

9 Tricks -50.

10 IMPs to *Baker*.

**In the Closed Room *Baker* did well to reach 4S after East opened 1NT. *Baker* played low (best) to first club lead.**

**In the Open Room, *Bjerkan* miss-declared to go down one. (pass the club 9; or, if small to the queen AT TRICK 4; then after a trump return by East; heart to the king; finesse the heart jack; heart ace / club pitch; club ace; club ruff; diamond ruff; club +420.**

ROBOT PLAY:

West	North	East	South
<i>WBridge5 Q-Plus</i>	<i>WBridge5 Q-Plus</i>	Pass	Pass
Pass	2 NT	All Pass	
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i> <i>4th</i>

1. E ♦A 2 9 3

+150

West North East South  
*Q-Plus WBridge5 Q-Plus WBridge5*

Pass Pass Pass Pass

Pass 2 NT Pass Pass

Pass

2 NT by North

*Trick Lead 2nd 3rd 4th*

1. E ♦A 2 9 3

+180

Q-Plus Bridge +1 IMP

West North East South  
*Micro Bridge Jack Micro Bridge Jack*

Pass Pass Pass Pass

Pass 2 NT Pass 3 ♣

Pass 3 ♦ Pass 3 ♥

Pass 3 ♠ Pass 4 ♠

All Pass

*Trick Lead 2nd 3rd 4th*

1. E ♦K 2 9 4

2. E ♦A 5 J 3

3. E ♦6 7 Q ♠3

4. N ♠A 6 2 4

5. N ♠K 8 5 7

6. N ♠Q 10 9 ♥6

7. N ♥4 2 K 8

8. S ♦10 ♣6 ♣4 8

9. S ♣7 10? Q K

10. E ♣3 5 J A

11. N ♣8 2 9 ♥9

12. S ♠J ♥10 ♥J ♥5

13. S ♥3 Q A 7

+420

West North East South

<i>Jack</i>	<i>Micro Bridge Jack</i>	<i>Micro Bridge</i>
	Pass	Pass
Pass	1 ♣	All Pass

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	<u>♦A</u>	2	9	4

+110

Jack + 7 IMPs

Score: Robots versus Humans, =

**Board 15**  
 South Deals  
 N-S Vul

♠ A 7 3 2  
 ♥ J 3  
 ♦ Q 9 8 7  
 ♣ Q 4 2

♠ 5 4  
 ♥ 10 9 5 2  
 ♦ A J 10 6 5 2  
 ♣ J



♠ K Q  
 ♥ Q 7 6 4  
 ♦ K 4  
 ♣ 10 8 6 5 3

♠ J 10 9 8 6  
 ♥ A K 8  
 ♦ 3  
 ♣ A K 9 7

Open Room:

West	North	East	South
			1♠
3♦	3♣	Pass	4♣
All Pass			

Closed Room:

West	North	East	South
			1♠
3♦	3♣	Pass	4♣
All Pass			

Trick 1:	CJ	C2	C3	CA	Trick 1:	CJ	C2	C3	CA
Trick 2:	S6	S4	SA	SQ	Trick 2:	SJ	S5	SA	SQ
Trick 3:	S2	SK	S8	S5	Trick 3:	S2	SK	S6	S4

11 Tricks +650.  
 Push Board.

11 Tricks +650.

ROBOT PLAY:

West	North	East	South
<i>Jack</i>	<i>Micro Bridge Jack</i>		<i>Micro Bridge</i>
			1♠
3♦	3♣	Pass	4♣
All Pass			

<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. W	♣J	2	8	<u>K</u>

At all 4 tables 4S by S, making 4. Declarers losing 2 spades.

Score: Robots versus Humans: Humans + 1 IMP

**Board 16**

West Deals

E-W Vul

♠ 7

♥ 8 3

♦ A K J 9 5 2

♣ J 7 4 2

♠ K Q J 9 5

♥ 7 4

♦ Q 7

♣ K Q 6 3



♠ A 10 8 4 2

♥ J 10 9

♦ 10

♣ A 10 9 8

♠ 6 3

♥ A K Q 6 5 2

♦ 8 6 4 3

♣ 5

Open Room:

West	North	East	South
Sanborn	Bjerkan	Levitin	Pollack
1♠	3♦	4♠	5♦
Pass	Pass	5♠	All Pass

Closed Room:

West	North	East	South
Wittes	Granoveter	Kamenova	Stansby
1♠	2♦	3♦	4♥
Pass	Pass	4♠	5♦
Pass	Pass	Dbl	All Pass

Trick 1:	DK	DT	D8	D7
Trick 2:	H8	H9	HK	H4
Trick 3:	HA	H7	H3	HT
Trick 4:	HQ	S9	D2	HJ
Trick 5:	SK	S7	S2	S3
Trick 6:	SQ	D5	S4	S6
Trick 7:	CK	C2	C8	C5
Trick 8:	CQ	C4	C9	

Trick 1:	SA	S3	S5	S7
Trick 2:	CA	C5	C3	C2
Trick 3:	S2	S6	SJ	D2
Trick 4:	DA	DT	D3	D7
Trick 5:	DK			

11 Tricks Claimed +550.

10 Tricks Claimed -100.

10 IMPs to team Baker.

West	North	East	South	
WBridge5	Q-Plus	WBridge5	Q-Plus	
1♠	3♦	4♠	5♦	
Pass	Pass	Dbl	All Pass	
Trick	Lead	2nd	3rd	4th
1. E	♠A	3	K	7

+550

West	North	East	South
Q-Plus	WBridge5	Q-Plus	WBridge5
			5
1♠	3♦	4♦ <sup>1</sup>	5♦



Pass	Pass	5 ♠	6 ♦	
Pass	Pass	Dbl	All Pass	
<sup>1</sup> Alert.				
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. E	<u>♠A</u>	3	9	7

-100

Q-Plus Bridge +12 IMPs

West	North	East	South	
<i>Jack</i>	<i>Micro Bridge Jack</i>	<i>Jack</i>	<i>Micro Bridge</i>	
1 ♠	3 ♦	4 ♠	5 ♦	
Dbl	All Pass			
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4<sup>th</sup></i>
1. E	♥J	<u>A</u>	7	3

+650

West	North	East	South	
<i>Micro Bridge Jack</i>	<i>Jack</i>	<i>Micro Bridge Jack</i>	<i>Jack</i>	
1 ♠	3 ♦	4 ♠	5 ♦	
Pass	Pass	5 ♠	All Pass	
<i>Trick</i>	<i>Lead</i>	<i>2nd</i>	<i>3rd</i>	<i>4th</i>
1. N	♦ <u>A</u>	10	8	7

-200

Micro Bridge +10 IMPs

Score: Robots versus Humans, Humans +2 IMPs

Final Score: Robots versus Humans, Humans +26 IMPs

Adding one more board to compare...the final board of the Wagar (board 60) was snuck into the last robot round robin, board 14 (same dealer and vul). Baker picked up 9 IMPs to win by 1 ! Both teams made a good save at 5Hx, over 5D, likely -300 against a likely -400. Baker went down 1 on a favorable lead, and Bjerkan went down 3 on unfortunate declarer play. In the robot championship, no pair took the save, and one was +50 on an opening underlead of an ace!. [Click here to see the results.](#)

While it is difficult to determine how the robot teams would have done head-to-head against the Wagar teams, there is some indication, based on the results as a combination of bidding and play contests, that (even though the IMPs awarded are not accurate) that, on average, the robot teams would have competed well against the human teams, and Wbridge5 and Jack might have scored better, or even played better, than the Wagar teams.