A ruff is simply the play of a trump when unable to follow to the suit led, which might be considered the name of the game at suit contracts. This category also includes elopement and trump promotion (overruff or uppercut) since a ruff is always involved. (Trump coups and endplays are covered separately.)

1. Plain ruff

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠️ 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>♥️ 3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>♦️ —</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Overruff

<table>
<thead>
<tr>
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<th>Lead</th>
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<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥️ 2</td>
<td>♠️ 10</td>
<td></td>
<td>♠️ Q</td>
</tr>
<tr>
<td></td>
<td>♠️ J 10</td>
<td>♠️ A</td>
<td>♠️ K</td>
<td>♠️ —</td>
</tr>
</tbody>
</table>

3. Establishment ruff

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥️ J!</td>
<td>A</td>
<td>♠️ 2</td>
<td>K</td>
</tr>
</tbody>
</table>

4. High ruff

<table>
<thead>
<tr>
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<th>Lead</th>
<th>2nd</th>
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<th>4th</th>
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<tbody>
<tr>
<td>1. S</td>
<td>♠️ 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>♥️ 3</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>♦️ —</td>
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</table>

5. Discard ruff

<table>
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<tr>
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<th>Lead</th>
<th>2nd</th>
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<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥️ A!</td>
<td>2</td>
<td>♦️ 2!</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>♠️ Q</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
6. Transfer ruff

**Trick**  
1. S ♥ K! A ♥ 2! ♥ J

**Lead**  
2nd 3rd 4th

South leads

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| ♠ | ♠ | ♠ Q | ♠ | ♠ K
| ♥ | ♥ | ♥ 2 | ♥ | ♥ A
| ♦ | ♦ | ♦ 2 | ♦ | ♦ 3
| ♣ | ♣ | ♣ — | ♣ | ♣ —

7. Crossruff

**Trick**  
1. S ♥ 2! ♥ K ♥ 2 ♥ K

**Lead**  
2nd 3rd 4th

South leads

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| ♠ | ♠ | ♠ 2 | ♠ | ♠ —
| ♥ | ♥ | ♥ 2 | ♥ | ♥ —
| ♦ | ♦ | ♦ — | ♦ | ♦ —
| ♣ | ♣ | ♣ 3 | ♣ | ♣ —

8. High crossruff

**Trick**  
1. S ♥ 2 ♥ J ♥ K

**Lead**  
2nd 3rd 4th

South leads

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| ♠ | ♠ | ♠ K | ♠ | ♠ —
| ♥ | ♥ | ♥ 2 | ♥ | ♥ —
| ♦ | ♦ | ♦ — | ♦ | ♦ —
| ♣ | ♣ | ♣ — | ♣ | ♣ —

9. Overruff crossruff

**Trick**  
1. S ♥ A! ♥ 7 ♥ 10 J

**Lead**  
2nd 3rd 4th

South leads

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| ♠ | ♠ | ♠ K 10 | ♠ | ♠ —
| ♥ | ♥ | ♥ — | ♥ | ♥ A J
| ♦ | ♦ | ♦ — | ♦ | ♦ Q
| ♣ | ♣ | ♣ 9 | ♣ | ♣ 3

10. High ruff finesse

**Trick**  
1. S ♥ 2 ♥ A ♥ A! ♥ 4

**Lead**  
2nd 3rd 4th

South leads

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| ♠ | ♠ | ♠ — | ♠ | ♠ A 2
| ♥ | ♥ | ♥ — | ♥ | ♥ 7 6 5
| ♦ | ♦ | ♦ — | ♦ | ♦ K J
| ♣ | ♣ | ♣ — | ♣ | ♣ K 2

Auto case becomes high crossruff instead.

11. Elopement

**Trick**  
1. S ♥ 2! ♥ A ♥ K

**Lead**  
2nd 3rd 4th

South leads

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
| ♠ | ♠ | ♠ K | ♠ | ♠ —
| ♥ | ♥ | ♥ 3 | ♥ | ♥ —
| ♦ | ♦ | ♦ — | ♦ | ♦ —
| ♣ | ♣ | ♣ — | ♣ | ♣ —
12. Establishment or plain ruff

Trick Lead 2nd 3rd 4th
1. S ♦ 2!
2. N ♥ Q 2 ♠ 3

Ruff 5

by Richard Pavlicek

♠ 2
♥ 2
♦ 2
♣ 2

♠ K Q 10
♥ —
♦ —
♣ —

♠ A J
♥ —
♦ 2
♣ —

♠ —
♥ 2
♦ 4 3
♣ —

South leads

13. Elopement finesse

Trick Lead 2nd 3rd 4th
1. S ♥ 2! ♠ Q ♦ 2!

Ruff 6

by Richard Pavlicek

♠ —
♥ 2
♦ 2
♣ 2

♠ K Q 10
♥ —
♦ —
♣ —

♠ A J
♥ —
♦ 2
♣ —

♠ —
♥ 2
♦ 4 3
♣ —

South leads

14. Crossruff or establishment

Trick Lead 2nd 3rd 4th
1. S ♥ 2! ♠ 2 4 2
2. N ♥ 2 K

Ruff 13

by Richard Pavlicek

♠ K Q 10
♥ —
♦ A K
♣ —

♠ K Q 10
♥ —
♦ A K
♣ —

♠ —
♥ 2
♦ 2
♣ 2

♠ A J
♥ —
♦ 2
♣ —

♠ —
♥ 2
♦ 4 3
♣ —

South leads

15. Crossruff elopement

Trick Lead 2nd 3rd 4th
1. S ♠ 2! ♥ K ♠ 3 2
2. N ♦ K ♠ 2 ♠ 2 A
3. S ♠ 3!

Ruff 14

by Richard Pavlicek

♠ K 3
♥ 3
♦ —
♣ —

♠ K 3
♥ 3
♦ 2
♣ 2

♠ 2
♥ 2
♦ —
♣ —

♠ —
♥ 2
♦ 2
♣ A

South leads

16. Trump control recovery or elopement

Trick Lead 2nd 3rd 4th
1. S ♠ A! ♠ 2 ♠ A
2. S ♠ 3!

Ruff 15

by Richard Pavlicek

♠ K
♥ A
♦ —
♣ —

♠ K
♥ A
♦ —
♣ —

♠ —
♥ 2
♦ A
♣ —

♠ —
♥ 2
♦ —
♣ —

South leads

17. Establishment control or plain ruff

Trick Lead 2nd 3rd 4th
1. S ♥ K! A 4 2

Ruff 17

by Richard Pavlicek

♠ 5 4
♥ 2
♦ 4 3
♣ 2

♠ K Q
♥ A
♦ A
♣ —

♠ K Q
♥ A
♦ A
♣ —

♠ A 2
♥ K Q
♦ —
♣ —

South leads
18. Establishment control or repeat elopement

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
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</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥ 2</td>
<td>♠ 3</td>
<td>♠ 4</td>
<td>A</td>
</tr>
<tr>
<td>2. N</td>
<td>♠ 2</td>
<td>A</td>
<td>♠ 2</td>
<td>3</td>
</tr>
<tr>
<td>3. S</td>
<td>♥ K</td>
<td>J</td>
<td>♠ K</td>
<td>2</td>
</tr>
</tbody>
</table>

South leads

Auto case allows simpler crossruff alternative.

19. High ruff elopement or trump control

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥ 2</td>
<td>♠ A</td>
<td>♠ A</td>
<td>♠ Q</td>
</tr>
<tr>
<td>2. N</td>
<td>♠ A</td>
<td>10</td>
<td>♥ 3</td>
<td>Q</td>
</tr>
<tr>
<td>3. E</td>
<td>♠ A</td>
<td>♠ 2</td>
<td>4</td>
<td>2</td>
</tr>
<tr>
<td>4. S</td>
<td>♥ K</td>
<td>♠ 5</td>
<td>♠ 3</td>
<td>♠ 6</td>
</tr>
</tbody>
</table>

South leads

Auto case is overruff trump promotion.

20. Uppercut

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥ A</td>
<td>2</td>
<td>♠ K</td>
<td>A</td>
</tr>
</tbody>
</table>

South leads

Auto case trivial with ♠ K a natural trick.

21. Trump separation ruff

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥ A</td>
<td>♥ A</td>
<td>♠ A</td>
<td>♠ K</td>
</tr>
</tbody>
</table>

South leads

Auto case is overruff trump promotion.

22. Secondary uppercut

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠ 9</td>
<td>♥ J</td>
<td>♠ 2</td>
<td>9</td>
</tr>
</tbody>
</table>

South leads

Auto case trivial with ♠ K a natural trick.

23. Intra uppercut

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥ A</td>
<td>♥ A</td>
<td>♠ A</td>
<td>♠ 6</td>
</tr>
</tbody>
</table>

South leads

Auto case trivial with ♠ K a natural trick.
24. High crossruff uppercut

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠ 2</td>
<td>K</td>
<td>♠ K!</td>
<td>♠ K</td>
</tr>
<tr>
<td>2. N</td>
<td>♠ 2</td>
<td>A</td>
<td>♠ A!</td>
<td>♠ A</td>
</tr>
<tr>
<td>3. S</td>
<td>♠ 3</td>
<td>♦ 7</td>
<td>♠ J</td>
<td></td>
</tr>
</tbody>
</table>

Auto case wins 4 tricks with safe crossruff.

25. Overruff crossruff uppercut

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
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</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♦ 2</td>
<td>♠ J</td>
<td>♠ K</td>
<td>♠ 5</td>
</tr>
<tr>
<td>2. N</td>
<td>♠ 2</td>
<td>♦ 6</td>
<td>♠ A!</td>
<td>♠ 5</td>
</tr>
<tr>
<td>3. S</td>
<td>♠ 3</td>
<td>♠ 6</td>
<td>♠ 7</td>
<td>♠ 2</td>
</tr>
<tr>
<td>4. N</td>
<td>♠ 3</td>
<td>♠ 3</td>
<td>♠ 10</td>
<td></td>
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</tbody>
</table>

Alternative is to pitch from North at Trick 1.

26. Uppercut or trump control recovery

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
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</thead>
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<tr>
<td>1. W</td>
<td>♦ 2</td>
<td>♠ K!</td>
<td>♠ Q</td>
<td>♠ Q</td>
</tr>
<tr>
<td>2. N</td>
<td>♠ A</td>
<td>♠ 9</td>
<td>♠ 10</td>
<td>♠ A</td>
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</tbody>
</table>

Auto/bi cases trivial.

27. Uppercut control or elopement

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
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<tbody>
<tr>
<td>1. S</td>
<td>♠ A</td>
<td>♠ 2</td>
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<td></td>
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</tbody>
</table>

28. Overruff trump promotion

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠ A!</td>
<td>♠ Q</td>
<td>♠ K</td>
<td></td>
</tr>
</tbody>
</table>

29. Discard trump promotion

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠ A</td>
<td>♠ K</td>
<td>♠ 2</td>
<td></td>
</tr>
</tbody>
</table>
30. Overruff or discard trump promotion

Trick  Lead  2nd  3rd  4th
1. S  ♠ A!  ♠ 9  ♠ 10  ♠ A
    ♠ Q J 9
    ♠ —
    ♠ —

Auto case trivial with ♠ K a natural trick.

31. Repeat discard trump promotion

Trick  Lead  2nd  3rd  4th
1. S  ♠ A  ♠ Q  ♦ 3! 2
    ♠ Q J 10 9 7
    ♠ —
    ♠ —
    ♠ —
2. W  ♠ J  2  4  A
3. S  ♠ K  ♠ 10  ♠ 4!
    ♠ A 3
    ♠ A K
    ♠ 2

32. Uppercut overruff promotion

Trick  Lead  2nd  3rd  4th
1. E  ♠ K  2  ♠ 9!  ♠ 10
2. N  ♦ 4 3 2
3. S  ♠ 2!
    ♠ 8 3 2
    ♠ A K
    ♠ —

Same if West leads, but not East in auto case.

33. Trump separation overruff promotion

Trick  Lead  2nd  3rd  4th
1. S  ♠ K  2  ♠ A! ♠ 8
    ♠ —
    ♠ —
    ♠ —
2. N  ♦ 2  ♠ Q  ♦ A!
    ♠ —
    ♠ —

34. Underruff trump promotion

Trick  Lead  2nd  3rd  4th
1. S  ♠ A!  ♠ Q  ♠ 6!  ♠ 8
    ♠ Q J 5
    ♠ —
    ♠ —
    ♠ —

35. Underruff elopement

Trick  Lead  2nd  3rd  4th
1. W  ♠ K  ♠ J  ♠ 2  ♠ 6!
    ♠ Q J
    ♠ —
    ♠ —
    ♠ —
2. N  ♠ K  3  ♠ A  ♠ 9
    ♠ —
    ♠ —
    ♠ —
    ♠ —
3. S  ♠ 2
    ♠ A 7 6
    ♠ —
    ♠ —

Same if West leads.
36. Trump control or crossruff duck


In auto case duck is not necessary but OK.

37. Trump control overruff


38. Trump control double overruff


39. Trump control force or elopement


40. Overtake ruff trump promotion


41. Elopement or trump control


Assumes ♠ K location known.
42. Crossruff or trump control establishment

Crossruff or trump control establishment

Trick  Lead  2nd  3rd  4th
1. S  ♥2!  ♥8  ♥Q  ♥K
2. N  ♦2  4  ♦2  ♥K  ♥10 9 8
3. S  ♥3  9  A  A
4. N  ♠3!

♠A Q 3  ♥A Q 3  ♥2
♦3 2  win 5
♣—
♠J

♣—
♠K 2
♣—
South

43. Ruff management tempo duck

Ruff management tempo duck

Trick  Lead  2nd  3rd  4th
1. S  ♥5!  8  2  9
2. E  ♥7  A  J  3
3. S  ♦A!  J  2  Q  ♦J
4. S  ♥K

♠3 2  ♥4 3 2  win 5
♦3 2  auto bi
♣—
♠K Q

♣—
♠A 10 9
♣—
South

44. Evasive cash order for telescoping ruff

Evasive cash order for telescoping ruff

Trick  Lead  2nd  3rd  4th
1. S  ♥A!  6  2  10
2. S  ♥4  7  Q  J  ♠J
3. N  ♥3!  ♦Q  K  8  ♥9 8 76
4. S  ♥5  9  ♠2  ♠Q

♠2  ♥Q 3 2  win 5
♦3 2  bi
♣—
♠K Q

♣—
♠A 10
♣—
South

45. Ensured ruff or establishment

Ensured ruff or establishment

Trick  Lead  2nd  3rd  4th
1. S  ♥2!  8  J  K
2. E  ♠6  2  4  10  ♠5 4
3. N  ♥3  7  Q  A  ♥A 10 8
4. W  ♠5  A!

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

♣—
♠K 9 7

46. Ruff-enabled whipsaw establishment

Ruff-enabled whipsaw establishment

Trick  Lead  2nd  3rd  4th
1. S  ♥4!  9  Q  7
2. N  ♦A  3  ♥K!  2
3. N  ♠2  7  A  4  ♥A  J 10 9
4. S  ♠5  J  K  8  ♠2
5. N  ♠3

♠—
♥Q 3 2  win 6
♦—
♠K 3 2

♣—
♠A

47. Entry jettison ruffout

Entry jettison ruffout

Trick  Lead  2nd  3rd  4th
1. S  ♥A  Q  ♠A!  8
2. S  ♥J  K  ♠A  9
3. N  ♠3

♠A  ♠A  win 4
♦—
♠A 3

♣—
♠A

♣—
♥A 10 6 5

♣—
South

♣—
South

♣—
South
48. Jettison-threat ruff-protected establishment

<table>
<thead>
<tr>
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<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♥8!</td>
<td>4</td>
<td>10</td>
<td>A</td>
</tr>
<tr>
<td>2. E</td>
<td>♦K</td>
<td>2</td>
<td>4</td>
<td>♠K</td>
</tr>
<tr>
<td>3. N</td>
<td>♣A</td>
<td>3</td>
<td>♠2!</td>
<td>♦2</td>
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<tr>
<td>4. S</td>
<td>♠A</td>
<td></td>
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</tbody>
</table>

If East holds up ♥A, he loses it.

**Anti ruff**

49. Delayed ruff anti trump promotion

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
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<th>3rd</th>
<th>4th</th>
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<tbody>
<tr>
<td>1. W</td>
<td>♦K</td>
<td>♥3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>♠54</td>
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</table>

50. Trump sacrifice anti elopement

<table>
<thead>
<tr>
<th>Trick</th>
<th>Lead</th>
<th>2nd</th>
<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠K!</td>
<td>10</td>
<td>2</td>
<td>A</td>
</tr>
</tbody>
</table>

51. Hop anti high crossruff

<table>
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<th>Trick</th>
<th>Lead</th>
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<th>3rd</th>
<th>4th</th>
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</thead>
<tbody>
<tr>
<td>1. W</td>
<td>♠6</td>
<td>A</td>
<td>10</td>
<td>Q</td>
</tr>
<tr>
<td>2. N</td>
<td>♠2!</td>
<td>J</td>
<td>♥10</td>
<td>7</td>
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</table>

52. Overruff anti trump promotion

<table>
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<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠K</td>
<td>10</td>
<td>2</td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>♥A</td>
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</table>

53. Elopement anti trump promotion

<table>
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<tr>
<th>Trick</th>
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<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. S</td>
<td>♠A!</td>
<td>4</td>
<td>♠2!</td>
<td>2</td>
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</table>

Elopement not needed in auto case, but it works.
54. Ruff refusal anti crossruff

<table>
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<th>Trick</th>
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<th>3rd</th>
<th>4th</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. W</td>
<td>♠ 2</td>
<td>♠ 5!</td>
<td>♠ A</td>
<td>10</td>
</tr>
<tr>
<td>2. E</td>
<td>♥ 9</td>
<td>♦ Q</td>
<td>3</td>
<td>♦ 6</td>
</tr>
<tr>
<td>3. S</td>
<td>♠ 3!</td>
<td>♠ J</td>
<td>♠ A</td>
<td>9</td>
</tr>
<tr>
<td>4. N</td>
<td>♠ 2</td>
<td>♠ 4</td>
<td>♠ 43</td>
<td>♠  —</td>
</tr>
</tbody>
</table>

Auto/bi cases trivial.

★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★★