

The SNS convention system for Hanabi

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
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1 Game rules

Hanabi is a cooperative card game for 2-5 players. A standard Hanabi deck is composed of 50 cards, 10 for each of the colours red , yellow , green , blue , and purple , with values 1, 1, 1, 2, 2, 3, 3, 4, 4, 5.

There are also some alternative optional suits that can be used in place of the standard ones, or in addition to them, each with its own special properties:

- teal , identical to the standard ones;
- black , composed of just one copy of each card (five in total);
- rainbow , with no own colour clue but touched by any other colour clue;
- white , with no own colour clue and touched by no colour clue.

The latter two suits can also be played using just one copy of each card.

1.1 Setup

In order to play a game, the players choose up to six suits to use during the game. The website hanabi.live offers these and many other variants, but in this document we will only discuss the ones listed above, using *Black (6 suits)* for five players as default.

At the beginning of the game, each player draws either 5 (for 2 or 3 players) or 4 cards (for 4 or 5 players). The cards must face *the other players*: one player does not know which cards are in their hands, but they know which cards are in the other players hands.

Definition 1.1. The *board* of the game is the set of the highest cards played for each suit (it is 0 in a suit if no card of a that suit has been played).

The players start with 8 *clues* and 3 *lives*. The starting board is



where the 0 number next to the symbol is omitted for empty piles.

Definition 1.2. A card is *immediately playable* if it is the successor (i.e. it has the same colour and the number is one unit higher) of a card that belongs to the current configuration.

The starting player is selected at random. The game then proceeds clockwise.


1.2 Game turn

During their turn, the current player must do one of the following actions.

Play a card The current player picks a card in their hand and puts it face-up on the table. If the card is immediately playable, then it replaces the current one of the same suit in the configuration. Furthermore, if the card is a 5, the players gain one clue (unless they have 8).

If the card is not immediately playable, then it is discarded and the players lose a life. In either case, the current player draws another card (if possible).

Discard a card The current player picks a card in their hand and puts it in the *discard pile*. That card cannot be used any more during the game. The players gain a clue (unless they have 8), and the current player draws another card (if possible).

Give a clue There must be at least one clue to perform this action. The current player chooses another player and tells them which of their cards have a certain colour (e.g. *these cards are* ) or which ones have a certain value (e.g. *these cards are* **3**). They must point exactly the subset of the other player's hand with that property, and that subset cannot be empty. The players lose a clue.

1.3 Game end

The game ends immediately if the players have 0 lives. If that does not happen, after the last card of the deck is drawn, each player has exactly one turn left (including the one who drew the last card). The *final score* is the number of cards played when the game ends, or equivalently the sum of the values in the final configuration.

2 Notation

Definition 2.1. A card is *clued* if its owner has received a direct clue about that card, and it's *unclued* else. A card is *number clued* if its owner has been told its value, and it's *colour clued* if the owner has been told its colour. A card is *completely clued* if it's both number clued and colour clued.

Note 2.2. In the *rainbow variant* a colour clue on a card is not sufficient to determine its suit. Regardless of this, any card with a colour clue given on it is still considered colour clued.

Clued cards are surrounded by an orange border, with a small symbol on top denoting the type of clue.

- Unclued card. 
- Number clued card. 
- Colour clued card. 
- Completely clued card. 

Definition 2.3. A card and a clue are *compatible* if the clue touches that card.

We will use letters from A to E to denote players, with the turn order being the alphabetical order. The cards in one player's hand are denoted by ordered strings, and the positions of the cards are referred to as *slots*, going from 1 to 4 from left to right. As an example,



means that player C has those four cards in their hand, they got a number clue on the **2♠** in slot 2 and a colour clue on **3♡** in slot 3. We use the symbol + to denote the current board.

We also want to name some properties.

Definition 2.4. A card is

- *playable* if at least one copy of each card of the same suit and lower value is already played or clued,
- *trash* if it can't possibly be played during the rest of the game,
- *relevant* if it is not trash,
- *critical* if it is relevant and there are no other copies of that card left,
- *useless* if it is either trash, or identical to a clued card.

3 Basic conventions

In order to achieve a better score, the players may agree beforehand on the meaning of each clue. Be aware that any of these conventions may be broken if there's a good reason to do so: just trust your team mates, and do not assume that they're wrong if they are not playing as you were expecting. Team play is the most important thing in Hanabi.

Remark 3.1. No convention is strict. Players are allowed to break them if they think it's better to do so.

3.1 Hand ordering

In one player's hand, the cards on which they have any explicit clue on, and the cards on which they have no information, should not interact in any way.

In this document, we will assume that slot 1 is on the left, and slot 4 is on the right. When a new card is drawn, it is positioned in slot 1, with other cards possibly moving one slot to the right to make room for it. So in general the card in slot 1 is the newest card in a player's hand, and the card in slot 4 is the oldest.

The starting hands are canonically ordered in the same way in order to make clues not ambiguous.

3.2 Play left, discard right

It's usually a good idea to let other players know if you're going to discard some important card, or playing some other one. There's an easy and allowed way to do so.

Convention 3.2 (Play left). When a player has some indistinguishable clued cards that they are supposed to play, and sometimes even if they are somehow distinguishable, they should start from the leftmost one.

This makes sense because of the *timing* (if no one clued them before, then probably the new one is the most important). We will refer to the leftmost unclued card as card in *finesse position* or *drop*.

Convention 3.3 (Discard right). When a player is going to discard a card, they are supposed to discard the rightmost unclued one.

This card should be the oldest among the unclued ones, so it makes sense to discard it (no one clued that card, so it is probably not an important one). We will refer to the rightmost unclued card as card in *discard position* or *chop*.

3.3 Give useful clues

Most of the times, there will not be enough clues in a game to explicitly tell value and colour of each card before playing it, so the players need a way to deduce information other than the one explicitly given by the clue. The most important thing is the *timing* of the clues: if a player is giving a clue, they're doing so for a reason. This can be summed up as follows.

Convention 3.4 (Clue playable cards). All the clued cards must be played as soon as possible, unless they are known to be trash or there is a reason to delay the play.

If a player gets a clue on some of their cards, these cards must eventually be played. If a player is supposed to play, they should do so unless there is something urgent and more important to do; for any such player discarding is discouraged, as the other players, expecting them to play, will not warn them about a potentially dangerous discard.

Convention 3.5 (Disjoint clues principle). Players should not give clues on two different copies of the same card, i.e. useless cards should not be clued, unless there is an important reason to do so.

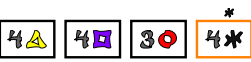
Since players are supposed to play their clued cards, cluing trash will eventually lead to a misplay, and more clues are needed in order to prevent so. Hence, players should avoid cluing trash unless it is really necessary. There might be exceptions, for example when such a clue gives useful new information, and the clued player knows that they are being clued trash.

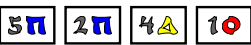
Example 3.6.

+ 

A 

B 

C 

D 

E 

Description.

B to play. If they clue π to D, according to Convention 3.4, D should deduce that at least one of their cards is a 4π or 5π . According to Convention 3.5 and Convention 3.7, since the 4π has already been clued in A's hand, one of the clued cards must be 5π . According to Convention 3.2, the 5π is the leftmost card. Hence, the other blue card must be trash.

In this case it is ok to clue a trash card in D's hand, because the clue is adding new important information (D is told that they have a 5π , and A is told that their 4 is in fact a 4π , see Convention 5.2), and also D knows that their other blue card is trash (hence there is no risk of misplays).

Convention 3.7 (New information principle). Every clue must either indicate sufficient information for one or more previously unclued cards to be played, prevent the possible discard of a card that needs to be saved, or prevent an impending misplay.

We will refer to clues that are meant to get some previously unclued cards to be played as *play clues*, to clues that are meant to prevent some cards from being discarded as *save clues*, and to clues that are meant to prevent misplays as *fix clues*. On certain specific situations that will be covered later, a clue can be neither of the three.

Once again, since clued cards are supposed to be eventually played, giving a clue that only gets already clued cards played is bad, since the play would have happened anyway. Giving a second clue on a clued card to get it played immediately (a *tempo clue*) is sometimes possible if waiting would be worse (e.g. towards the end of the game, if some player has a lot of cards to play) or if there are no other allowed options (e.g. in a *double discard situation*, see Convention 3.10).

Convention 3.8 (Save clues). Critical cards, playable cards, and 2 's of which only one copy is visible should be saved with a number clue if in danger of being discarded. A *save* interpretation has precedence over a *play* interpretation.

Receiving a *save clue* usually narrows a lot the possible options for a card.

Convention 3.9 (Save notes). When a player receives a *save clue* (except for a 2 clue), they must assume that such a card is either critical or playable. Every player should take a note on that card marking down all the possibilities.

Convention 3.10 (Double discard). If a player discards a non-critical relevant card, then the next player is not allowed to discard, unless they see the other copy of that card in another player's hand.

In fact, if they do so, they might be discarding the other copy of that card, which was impossible to save earlier. If a player double discards, then they are implying that they see the other copy of the just-discarded card. This also applies if the discarded card is a ♠, even though such a situation is rare, as discarding two copies of the same ♠ is potentially very dangerous.

Convention 3.11 (Discard notes). When a double discard happens, everyone should take notes on all the cards in the hand of the player holding the other copy of the card that triggered the double discard situation, marking that either of these cards can be the other copy of that card. When only one compatible card remains, it is considered globally known as that card for all purposes.

Colour clues are usually interpreted as *play clues*, while number clues are usually interpreted as *save clues*.

Convention 3.12 (Colour plays, number saves). If a play clue has to be given and both colour and number have the same value, then the colour clue should be chosen. If a save clue has to be given, then it must be given as a number clue.

Corollary 3.13. If a player receives a number as *play clue*, they should know that they have at least another card of that colour.

Convention 3.14 (Early saves). A number clue on the card that is one away from chop is an *early save* on that card. The chop card is *temporarily chop moved*, namely it cannot be discarded until it leaves the discard position at least once (see Convention 4.1).

If, after receiving such a clue, a player has at least two more unclued cards in their hand, then after they give a clue their card cycles and the player should cancel the chop move. If they have only one unclued card, then even after they give a clue the card stays on chop, and thus the chop move is still on. In order for it to be cancelled, they will have to draw a new card first, then give a clue to have the chop moved card cycle (see Convention 4.1) and leave discard position for real.

Corollary 3.15 (Safe discard). If a player gets a *save clue* on their chop card, then the new chop cannot be critical.

Corollary 3.16 (Fake early save). If a player gives a number clue on a card that is one away from chop, but the card on chop is useless, then the clue is a finesse instead (see Section 5.2).

After the finesse resolves, the player who received the clue knows that their chop card is useless. It cannot be a direct play clue (with no finesse involved) because the player who receives the clue has no mean of knowing if their chop card is useless or not.

It is convenient to have one exception to the *always save with a number clue* rule, which is the following.

Convention 3.17 (Multiple black save). A ♠ clue that touches multiple cards, among which the one in discard position, then it is to be interpreted as *save clue* rather than as *play clue*.

4 Cyclic rearrangement

It happens quite often that a player discards to prevent the next player from doing the same, usually because the next player's chop card is important. It also may happen that a player has two cards of the same colour that they should play, but the higher is on the left. Both issues can be fixed with this idea.

Convention 4.1 (Cyclic rearrangement). When a player gives a clue, they should move their chop card to slot 1. If all their cards are clued, then they do nothing.

The cyclic rearrangement works very well with the following convention.

Convention 4.2 (Chop focus). When a player receives a *play clue* on a set of cards that includes their chop, then that card is the one which should be played first. The other cards are played left to right as usual.

The reason behind this is the fact that sometimes a player has multiple playable cards of the same colour, and if the first to be played is on chop, then the other players might be tempted to wait until the player gives a clue and cyclically rearranges their hand. This is risky, because it lets a playable card stay on chop for at least a round. Convention 4.2 solves this issue. Of course the drawback is that configurations in which a non playable card of the same colour is on chop cannot be clued, but this is less of an issue because if the player gives a clue themselves, then the non playable card moves and the playable one gets closer to the chop (where it can be clued); if they discard instead, the lost card is most likely not as valuable, because it wasn't playable.

5 Prompts and finesses

Clued cards should be played as soon as possible. Following this principle, one can give important information by cluing cards that are not immediately playable, by implying that they will be playable soon. This can be summed up in the following principle.

Convention 5.1 (Connection principle). If a card that is not immediately playable is given a play clue, then all the connecting cards whose position is not currently known must be visible by the player who gave the clue.

By *connecting cards* we mean all the cards that have to be played before the clued one (e.g. if the **2♠** is on the board and the **4♠** is clued, then the connecting card is the **3♠**). Such a clue *promises* all the connecting cards.

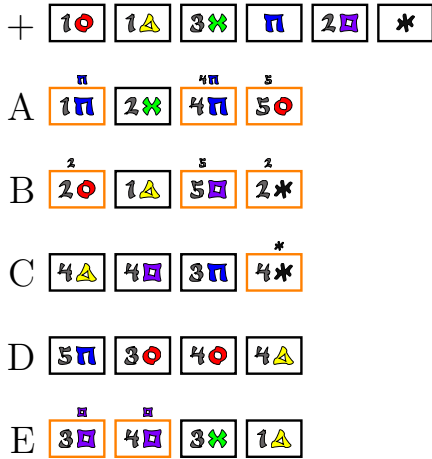
5.1 Prompt

The easiest of these conventions is the *prompt*, which involve only already clued cards.

Convention 5.2 (Prompt). If a player deduces that they have a connecting card, then it must be the leftmost among the clued ones that can be that card.

Remark 5.3. Some options for a card might be ruled out by *save notes* (see Convention 3.9) or *double discard notes* (see Convention 3.11). In these cases, that card does *not* count as compatible.

Example 5.4.



Description.

C to play. If they clue ♥ to D, then this is a play clue. However, according to Convention 3.5, none of their cards is a **2♥**, since it has already been clued in B's hand (probably with a **2**-save, since they have **2♣** on chop). Hence, D doesn't play. Then, when B is to play, since they know that a play clue has been given on **3♥**, and they can't see the **2♥** in any other players hand, they can deduce that the **2♥** is in their hand. According to Convention 5.2, it must be the leftmost of the two **2**'s, so they can safely play it.





Players are allowed to lie if this gets more cards played, as in the next example.




Example 5.5.

+      

A    







B    

C    

D    

E    

Description.

Same example as before, but the **2**'s in B's hand are now of different colours. In particular, the leftmost is a **2**, not a **2**. However, this is not a problem, since the **2** is playable: during their turn, B will deduce that their leftmost **2** is **2**, and they will play it. One round later, since B knows that they must have the **2** in their hand, they will play their other clued **2**, which this time would be the correct one. B was tricked into think that their leftmost **2** was **2** in order to get it played for free.

5.2 Finesse

The finesse is probably the most important convention in Hanabi. It takes a while to get used to it, but then it's an extremely powerful tool. It is the same as a *prompt*, except that the connecting card is not clued. The key to this convention is the position of the card.

Convention 5.6 (Finesse). If a player deduces that they have a connecting card, and none of their clued cards (if any) is compatible, then it must be the leftmost among the unclued ones.


Remark 5.7. As for the *prompt*, some options for a card might be ruled out by *save notes* (see Convention 3.9) or *double discard notes* (see Convention 3.11). In these cases, that card does *not* count as compatible.





Example 5.8.

+      

A    








B    

C    

D    

E    

Description.

If B is to play, they can clue  to D. C sees that D is given a play clue on their non-playable **4**, and also they can't see the connecting **3** in any other player's hand. Hence, C must have the **3**, and since their only clued card is the **4**, (which, being , can't be ), then they should deduce that the connecting card is their leftmost, and play it.

This trick gets two cards played with one clue, and hence it is a very powerful way to pass information.

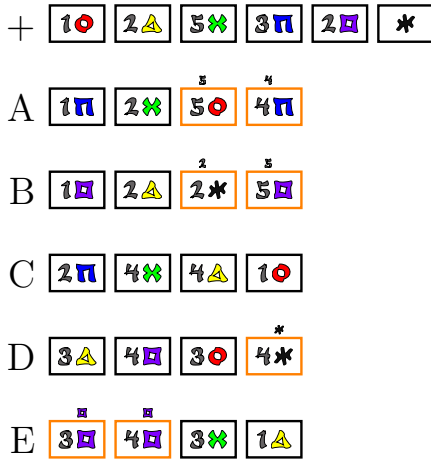
5.3 The reverse finesse

The finesse works even if the player who gets the play clue comes before the one that is supposed to have the connecting card.

Convention 5.9 (Reverse finesse). If a player who is given a play clue sees that some other player has, as their leftmost unclued card, another card that matches the clue they just received, they should wait at least one round before playing.

If the player who has the matching card as leftmost unclued one plays it, then it means that the clued card is its successor. If they don't, then it is the same one. In any case the clued card should be played the next round.

Example 5.10.



Description.

Same as before, except that C and D have been swapped. If B is to play, they can clue to C. C sees that D has a 3 as drop, hence the clued card might be a 4 and C does not play it. Then, D should deduce that they have a 3 and play their leftmost card, as before.

Remark 5.11. What if we replace the 4 with a 3? In fact, this is no issue at all: after C's turn, D just doesn't play. In fact, maybe C had another good reason to not play the yellow-clued card. Even if D can deduce to have a 3 as leftmost unclued card, they should not play it, else C would think that their card is a 4.

There are other better ways to deal with it. B can clue to D instead: there is no other 3 in anyone's slot 1, so they will know they have a 3. Alternatively, B can simply not clue anything to C, and instead let C clue to D. Even better, if B happens to have a 4 in their hand (and they can't know), C could clue to them instead, saving one clue.

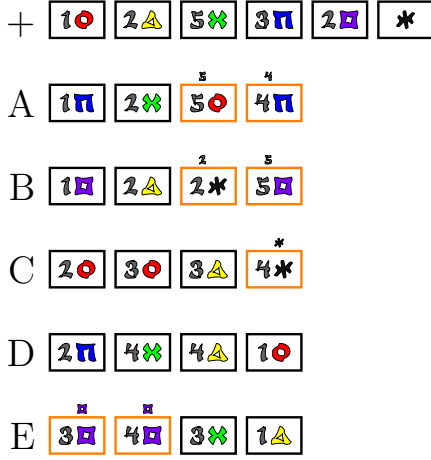
5.4 Layered finesse

The finesse can be used in a lot more cases, possibly combined with prompts as well, to get extra cards played.








Definition 5.12. A card is in *finesse position* for a clue if the card is promised by the clue, and one of the following holds:

- it is clued, the clue is compatible with the promised card, and all the cards with these properties on its left are playable;
- it is unclued, all the clued compatible cards in that player's hand (if any) are playable, and all the unclued cards on its left are playable.

Example 5.13.



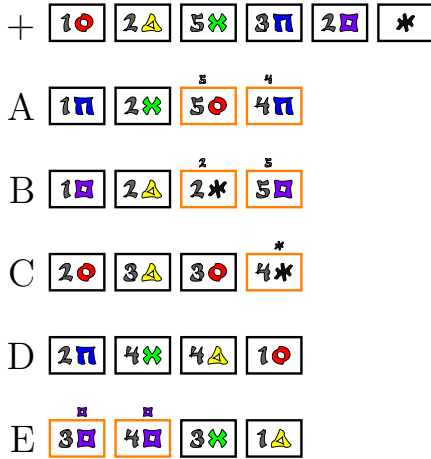
Description.

If A clues  to D, they are promising a . C has a , and it is in finesse position: it is unclued, there are no compatible clued cards, and all the cards on its left will be playable at the appropriate moment. However, if C also got a  clue, then the  would not be in finesse position any more! In fact, it would be clued with a compatible clue, but in that case the  would also be, it is on the left of the , and it is not playable.








This example explains why it is not important that the promised card is exactly where it is expected to be, as long as it is in finesse position. This leads to the following.

Convention 5.14 (Layered finesse). The finesse applies as long as the connecting card is in finesse position.

Example 5.15.



Description.

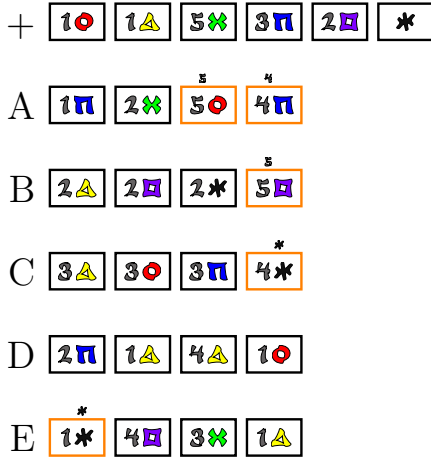
The setting is the same as Subsection 5.2, except that now C's leftmost unclued card is a , which is playable. The next one is a . If A is to play, they can still clue  to D. As before, C should play their leftmost unclued card, and so they do. Since C played, D can deduce that their card is not a , but it's a  instead, so they wait. During their next turn C should keep playing, and so they have to pick their second leftmost unclued card *at the moment they received the clue* (which is a very important information to track). They play the  and next D plays the , leading to play three cards with one clue.

Remark 5.16. A *finessed* player should keep playing until they see the expected finessed card, or they get a stop sign (which will be discussed later). The cards should be played in the order given by Definition 5.12, and the first one in that order will be referred to as *drop* from now on.






5.5 Multiplayer finesse

Convention 5.17 (Multiplayer finesse). If all the connecting cards are in finesse position but spread among multiple players, the finesse still applies.

Example 5.18.



Description.

A clues  to D. It is a finesse on the  (see Convention 3.16), so B is supposed to play their drop card, which is the . C sees that the  still lacks a connecting card (the  that they can't see in any other player's hand. Hence, C is also supposed to play their drop card.

5.6 Bluff

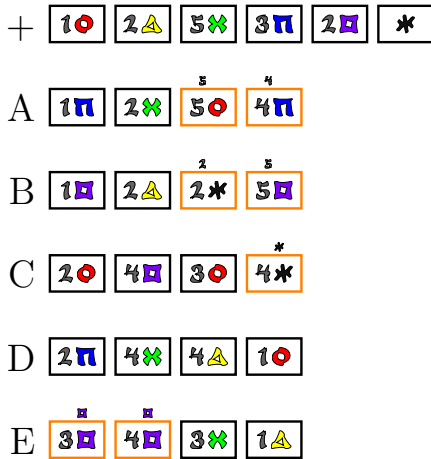
An exception to the layered finesse convention is the *bluff*. A player can be tricked into thinking that they have the connecting card even if they don't, just to get their drop played. This might lead into confusion, since all the other players will assume that they have the connecting card, so a precise criterion to distinguish bluffs from multiple finesses is needed.

Convention 5.19 (Bluff). If a player gives a *play clue* focusing on a one-away card (i.e. a card that needs only one connecting card) of which the connecting card is missing, then the very next player has to play their drop card and not continue playing into the finesse during their next turn.







Everyone should mark that card as one-away (in particular, if the play clue is a colour clue, the card is considered completely clued for all purposes). The player who got the clue should always assume a finesse over a bluff if possible. No one should assume that the connecting card is visible in any player's hand.

This might be quite confusing, so some examples are needed.

Example 5.20.



Description.

B clues  to D. As we've seen before, C is supposed to play their drop, which is the . Since C blind-played his newest card, D should deduce that its yellow card is one-away, and hence it is a . Since the  can't be connecting, D shouldn't play their yellow card; since the  is one-away, all the other players should deduce that they do not have a  and so they should not play their drop card.

Example 5.21.

+	1♠	2♠	5♣	3♠	2♠	*
A	1♠	2♣	5♠ ⁵	4♠ ⁴		
B	1♠	2♠	2♣ ²	5♠ ⁵		
C	3♠	4♠	3♠	4♣ [*]		
D	2♠	4♣	4♠	1♠		
E	3♠ ³	4♠ ⁴	3♣	1♠		

Description.

B clues ♠ to D. As we've seen before, C is supposed to play their drop card, which is the 3♠. Since C blind-played his newest card, D should deduce that its yellow card is one-away, and hence it is a 4♠. Since the 3♠ can be connecting, D should play their yellow card.

Example 5.22.

+	1♠	2♠	5♣	3♠	2♠	*
A	1♠	2♣	5♠ ⁵	4♠ ⁴		
B	1♠	2♠	2♣ ²	5♠ ⁵		
C	3♠	4♣	3♠	4♣ [*]		
D	2♠	1♠	4♠	1♠		
E	3♠ ³	4♠ ⁴	3♣	1♠		

Description.

In this case, clue ♠ doesn't work because of the 1♠, so B clues ♣ to D. The 4♠ is one-away, so C is supposed to play their drop, which is the 3♠. D deduces that their ♣ is one-away, so it might be either yellow or white, but since the 3♠ can be connecting, D should play their ♣ anyway.

Example 5.23.

+	1♠	2♠	5♣	3♠	2♠	*
A	1♠	2♣	5♠ ⁵	4♠ ⁴		
B	1♠	2♠	2♣ ²	5♠ ⁵		
C	2♠	3♠	3♠	4♣ [*]		
D	2♠	4♣	4♠	1♠		
E	3♠ ³	4♠ ⁴	3♣	1♠		

Description.

Now it is A that clues ♠ to D. B sees that the 3♠ in C's hand only has playable cards on its left, hence, according to Convention 5.14, they deduce that C is the one that is supposed to play their drop. C plays it, and it is a 2♠. Since C blind-played his newest card, D should deduce that its yellow card is not a 3♠, and hence it is probably a 4♠. Since C was not the player immediately after the one who gave the play clue, they should keep playing until they see the 3♠.

Example 5.24.

+	1♠	1♥	5♣	3♠	2♠	*
A	1♠	2♣	5♠ ⁵	4♠ ⁴		
B	1♠	2♥	2♣ ²	5♠ ⁵		
C	2♥	3♥	3♠	4♣ [*]		
D	2♠	4♣	4♥	1♠		
E	3♠ ³	4♠ ⁴	3♣	1♥		

Example 5.25.

+	1♠	1♥	5♣	3♠	2♠	*
A	1♠	2♣	5♠ ⁵	4♠ ⁴		
B	2♥	2♠	2♣ ²	5♠ ⁵		
C	2♠	3♥	3♠	4♣ [*]		
D	2♠	1♥	4♥	1♠		
E	1♣ [*]	4♠	3♣	1♥		

Example 5.26.

+	1♠	2♥	5♣	3♠	2♠	*
A	1♠	2♣	5♠ ⁵	4♠ ⁴		
B	1♠	2♥	2♣ ²	5♠ ⁵		
C	2♠	4♠	3♠	4♣ [*]		
D	2♠	4♣	5♥	4♥		
E	3♠ ³	4♠ ⁴	3♣	1♥		

Description.

Now is again B that clues ♥ to D. C is supposed to play their drop, which is the 2♥. D sees that C also has a 3♥ on the right of the 2♥, so their card might be the 4♥. Since the 4♥ was not one-away, C should keep playing until they see the 3♥.

Description.

A clues ♣ to D. It is a finesse on the 4♣, so B is supposed to play their drop, which is the 2♣. C sees that the 4♣ was not one-away (it was not the 4♠), hence it can't be a bluff, and according to Convention 5.17, they should play their drop, the 2♠. D sees that C played, so their ♣ cannot be the 4♠ (two people played, so it is not a bluff), but it must be the 4♥ (and it is a finesse). The next turn C will play the 3♥ (they know it is not a bluff, since the 4♥ is not one-away), and D will play their 4♥.

Description.

This is the same as Example 5.20, except that the ♥ clue B gives to D now touches two cards. Because of Convention 4.2, the focus of the clue is the card in discard position, i.e. the 4♥. This still works as normal. Considering that C played, then D's rightmost card must be a 4♥, and because of Convention 3.5 the other one is most likely (but not certainly) a 5♥.

5.7 False bluff





It is usually impossible to perform a multiple finesse on the very next player, as they will mistake it as a bluff. However, if the bluffed card could have been gotten by a regular finesse, then it doesn't make sense to get it through a bluff, and thus the clue must be a multiple finesse instead.

Example 5.27.

+      

A    











B    

C    

D    

E    

Description.

Here, A clues  to D. B plays their leftmost unclued card, which is a , and sees that C has a . It makes no sense for A to perform a *bluff* here, as they can just clue  to C and perform a finesse instead, which would be better than a bluff as the  gets played too. It follows that the  clue cannot be a bluff, and must be a *layered finesse* instead. The next round, B will go on playing their  (they skip  as it has a  clue on it), and D will then play their .

5.8 Discard finesse

Convention 5.28 (Discard finesse). If a player has full knowledge on a playable card (or a card that will be playable soon), and they discard it, it means that a player has another copy of the same card in finesse position. The player that cannot see the other copy of the card should hence safely play their drop card.

Here, the definition of *full knowledge* depends on the context; the player who discards must have strong reasons to believe that they know both colour and number of the card that they are discarding, and that the other players are aware of that.

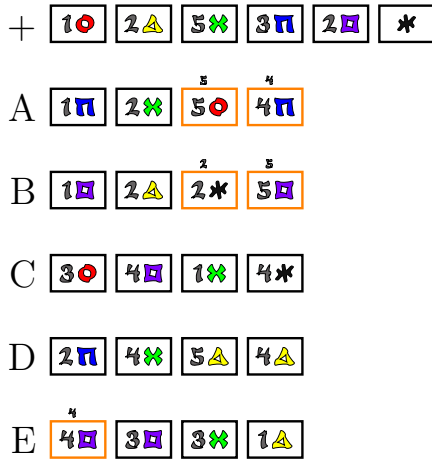
This manoeuvre is usually not recommended (just playing the card is simpler), but it can be done in several contexts to gain an advantage. For example, it can be useful if the other copy of the card is clued (thus, discarding it prevents misplays); if it is in finesse position but it is not the leftmost unclued card (in order to get some extra card played for free); if the player who has the other copy is short on clues and/or they have a dangerous chop (keeping them busy and preventing them from discarding); if the card is not immediately playable but it will be during the next turn of the player that has the other copy (to gain tempo).

5.9 Self finesse



















If there is no risk of misunderstanding, a finesse can be performed even if the connecting card is in the hand of the player who receives the clue. Such a finesse must be performed with a *number clue*, as any colour clue would just be a *play clue* on the clued cards.

Convention 5.29 (Self finesse). A number clue on a card that is at least two-away from chop is a *play clue*, and it originates a self finesse if no other interpretation is possible.

Example 5.30.



Description.

D just clued  to E, who now is to play. It can't be a play clue on , as it is already clued in A's hand, so it must be another relevant , either , , or  (C has ). The corresponding possible connecting cards are , , and , none of which is visible, so it must be a self finesse. E plays their new finesse position card as either of those. It is , so they will assume a finesse on  and they will go on playing their  as  on the next round. Notice that, since E didn't play the  immediately, there must have been  already clued in someone's hand. A knows this, deduces that their  is in fact a , and plays it the very next turn.

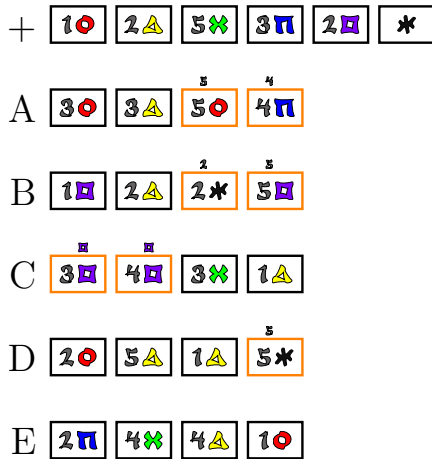
5.10 Patch finesse

The patch finesse is a complicated technique that can be used to achieve two or more separate finesses with one single clue.








Convention 5.31 (Patch finesse). If a play clue on a non-playable card is given, and the connecting card is visible in some other player's hand, with another non-playable card on their left that is exactly one-away from playable, then the clue is also a finesse on that card.

Let's see an example.

Example 5.32.



Description.

B just clued  to E, C plays their , and D is now to play. They see that A has a  in their hand, but not in finesse position. Cluing  to A may be ambiguous, since A's red cards cannot be played. How can D deduce if they're being finessed or not? They can't, but it's not an issue at all: D should just play their leftmost unclued card. If that's a , then D was being finessed everything is fine. If not, then A is being finessed, but their leftmost unclued card is a , not playable. Then there is also an ongoing finesse on that card and D's leftmost unclued card must be a , so they should still play.


Remark 5.33. Patch finesses are very risky, and it require great understanding and trust among the players. It's very easy to mistake a generic clue for a patch finesse, so be careful and think to every possible scenario before giving such a clue. I recommend beginners not to use this convention until they are fully familiar with the finesse and with the play style of the other players.

5.11 Fixing a finesse

Convention 5.34 (Fixing a finesse). If a play clue on a non-playable card is given, and the connecting card is visible in some other player's hand, with another non-playable card on their left that is not one-away, then it is still possible to perform a finesse, but that card must be clued before it leads to misplays.

Example 5.35.

+      

A    












B    





C    

D    

E    

Description.

Same as before, except for A's hand. B clues  to D, trying to get the  and the  for free. All the players but A see the connecting card in A's hand, and they also see that A's drop is a , which is playable, so nobody does anything. A plays their  assuming that it is a  instead, and now B must stop A from playing their , with either a  or a  clue on that card. This can't possibly be a play clue (if it were a , then no clue would have been needed), nor a finesse on some other player (otherwise B could just have let that go, since everybody knew that A was about to play their ), hence it must just be a *fix clue*, meaning that the clued card is not involved into the finesse, and hence the card on its right has to be played next.

The player that fixes a finesse should be the same one who performed the finesse before (because the clue might be mistaken for a patch finesse), but not always. In some cases there is no chance for the clue to be mistaken for a patch finesse (for example, if the  is replaced by a , hence any player can give the fix clue. Distinguishing a patch finesse from one that has to be fixed can be tricky though (can  be considered one-away, since  is clued?), so the best option is if the player starting the finesse is the one immediately after the one that has to receive a fix clue; this way, in fact, no one can misplay after the first finessed card has been played, but before the fix clue is given.

Remark 5.36. This technique works best if the card that requires a fix is a card that can end up being useful later, and especially if it is a critical card, as it would still most likely require a *save clue* later on. Always keep in mind the card-per-clue ratio before giving any clue that requires a fix, and choose safer lines if the gain in efficiency is not clear.

5.12 Ambiguous finesse

Sometimes a clue can be confusing, because multiple people will interpret it as a finesse on someone else. In these cases, it is better to have one of the involved players give the clue, to avoid ambiguities.

Convention 5.37 (Passing a finesse). A player is only allowed to skip playing into a finesse for one of these reasons:

- they are playing a different, more important card (see Subsection 8.1);
- they are performing a finesse that no unoccupied player could have performed;
- they are preventing a dangerous discard that no one else could have prevented.

If a player is not playing into a finesse for a reason that is not specified above, then the finesse is probably an ambiguous finesse.

Example 5.38.

+	1♠	2♥	5♣	1♠	2♠	*
A	4♠	3♣	3♥	5♠		
B	1♥	2♥	2♣	5♠		
C	2♠	5♥	1♠	5♣		
D	2♠	4♣	4♥	1♠		
E	3♠	4♠	3♠	1♥		

Description.

A clues ♠ to E, which is ambiguous as both C and D will think of it as a finesse on the other player. B clues ♥ to D as a finesse on A (their 3♥ is now in finesse position because of Convention 4.1), and C discards. The easier interpretation for D would be that C missed the finesse, but if they instead assume that everyone plays correctly, then they should play their 2♠ instead.

This is easier said than done: if there were no clues left, then C might have discarded as a save on D's chop; if C performed a finesse that D couldn't have possibly done themselves, then they might just think C wanted to gain efficiency and play their 2♠ the next round. However, if it is clear that C wasn't otherwise busy, then D is supposed to play their 2♠.

This would have been easier if A let C clue ♠ to E instead: this way, C's 2♠ cannot possibly be involved.

There are cases in which, even if one player understands an ambiguous finesse, they should still pass it back to the other player, to gain efficiency or to prevent a misplay.

Example 5.39.

+	1♠	2♥	5♣	1♠	2♠	*
A	4♠	3♣	3♥	5♠		
B	1♥	2♥	2♣	5♠		
C	2♠	3♠	1♠	5♣		
D	2♠	4♣	4♥	1♠		
E	3♠	4♠	4♠	1♥		





Description.





Same as Example 5.38, but the finesse is now on a 4♠ and C has a 3♠ as well. Even if D understands that they have a 2♠ in finesse position, they should still pass the finesse back to C, otherwise they would go on misplaying their 2♠ as 3♠. After D passes too, C should understand that they have both 2♠ and 3♠ and play these cards in the subsequent turns.





In this case A cannot leave the clue to anyone: C has no finesse to perform as they don't see any 3♠, and when D's turn comes, the cards in C's hand won't be in the appropriate position any more.

Example 5.40.

+      

A    





B    

C    

D    

E    

Description.

Same as Example 5.38, but C has a playable  to the left of their . Once again, even if D understands that they have a  in finesse position, they should still pass the finesse back to C, to get the  played for free.

Sometimes, one can have another player believe that a finesse is ambiguous to get some cards played for free.





Convention 5.41 (Pass bluff). If a player is supposed to play into a finesse, but the next player has an unrelated playable card in finesse position for the finessing clue, they can *pass* by discarding or giving a low-value clue to make the next player believe that the finesse was ambiguous and have them play. The player on whom the finesse was actually on *must* play the next round, demonstrating that the finesse was on them, to prevent a misplay from the next player.

Example 5.42.

+      

A    










B    

C    

D    

E    

Description.





Same as Example 5.40,  and  are switched, and D has no . C is supposed to play their finessed  but they discard instead making D believe that they have a  in finesse position. D sees that C didn't play, and goes on playing their . The next round, C *must* play their  to have D understand that they have been pass bluffed, otherwise D would play their  as .

Unlike a standard finesse, it is not possible to pass on a finesse that might be a bluff, because the other players won't see the ambiguity and will interpret the clue as a finesse on them instead.





Convention 5.43 (Passing a bluff). A player is *never* allowed to pass on a bluff. If they must, because they have to prevent a misplay or a critical discard, and the player performing the finesse is aware of that, then they are guaranteed that the clue was in fact a finesse and not a bluff.

Example 5.44.

+      

A    







B    




C    

D    

E    

Description.





B clues  to E as a finesse on C's . C sees that D has a critical  in discard position, and also sees that they do not have anything urgent to do, so it is likely that D will discard the next turn. C has to prevent it, so they clue  to D as a *play clue*, keeping them busy. C knows that B knew that C had to prevent the  discard, so they are promising that the  clue to E is actually a finesse and not a bluff.

If it were not, for example if C had a  in slot 1, then after C gives a clue to D, and D plays, E would think that they have a  instead of a , as no one demonstrated the bluff, and would go on misplaying it. Thus B is not allowed to bluff here, and any potential bluff must be a finesse instead.

Unfortunately, because of these issues, an ambiguous finesse is not always possible to perform.

Example 5.45.

+      

A    










B    

C    

D    

E    

Description.

Here, A might be tempted to clue  to D, as a *patch finesse* on B and C. However, if C's  do not have contextual information by which it is not actually a  (e.g. they got the  clue as a save clue, and the  is not critical), the clue doesn't work. In fact B thinks that the clue is either a regular finesse on them, or a patch finesse on C, and in either case they play their card in finesse position, which is a . Now, as B blind-played, rather than assuming it was a patch finesse on them, C will think that the clue is a patch finesse on B (as the  is one-away) and thus they will misplay their  as . These cards must be clued in some other way.

5.13 Combining finesse techniques

Of course all these finesse techniques may be combined, but as always, be careful before doing something risky or unclear. Think to every possible interpretation of your clue, and if you're reasonably sure that your team mates will understand, then go for it. If not, better do something safer.

6 Multiple card colour clues

It is often convenient to include multiple cards in a clue, in order to give as much information as possible while saving clues. To do so, one has to be precise in explaining what each clue means.

Cluing multiple cards of the same colour usually promises that all the clued cards are playable (possibly implying finesses), assuming no prior knowledge on these cards. This is not always the case.

6.1 Playable focus





We first deal with the case in which a clue touches two new cards, and the focus is playable. If a colour clue touches three or more cards, the same principles apply.

Convention 6.1 (Delayed finesse). If a player receives a colour clue on multiple cards, the focus of the clue is playable, and the other card will not be playable afterwards, then the player who gave the clue must be given a chance to give a number clue on the other card as a *fix clue*. If they do not, then the original clue was also a finesse on the other card.

Let's see some examples.





Example 6.2.

+      

A    









B    

C    

D    

E    

Description.

D just clued  to C, as a *play clue* on . One round passes, C plays , and D discards. If the original  clue was not a finesse, then D would have been required to clue  to C to prevent a misplay. They chose not to, so the clue was actually a finesse on  too. E then plays the card that was in finesse position when the  clue was given, which is .

Example 6.3.

+ 1♠ 2♥ 5♣ 3♠ 2♠ *

A 3♠ 3♠ 1♠ 4♠

B 2♠ 2♥ 2♣ 5♠

C 3♠ 5♠ 3♣ 1♥

D 2♠ 5♥ 1♥ 5♣

E 4♠ 4♣ 4♥ 1♠

Description.

Exactly the same situation, but now is A who gives the ♠ clue to C. B clues ♥ to A as a finesse, C plays 3♠, D plays 2♠, and now E doesn't know whether A intends to stop C from playing 5♠ or not, so they discard. A plays 3♠, B discards, and now C sees that E had a 4♠ in finesse position when the ♠ clue was given, so they assume to have 5♠, and clue ♠ to B as a prompt. D discards, and E sees that neither A stopped C from playing, nor C misplayed 5♠ as 4♠, so they must have had a 4♠ in finesse position the previous round, which they play.

Sometimes, if a direct *number play clue* on the focus of a two-card colour clue is available, it can be immediately deduced that the colour clue was a finesse instead.

Convention 6.4 (Anticipating a delayed finesse). If delayed finesse clue is given and the finessed player sees that there was a clear *number play clue* to give that touched that card only, then they can deduce that the clue must be a finesse and play immediately.

Example 6.5.

+ 1♠ 2♥ 5♣ 3♠ 2♠ *

A 3♠ 3♠ 1♠ 4♠

B 2♠ 2♥ 2♣ 5♠

C 3♠ 5♠ 2♣ 1♥

D 2♠ 5♥ 1♥ 5♣

E 4♠ 4♣ 4♥ 1♠

Description.

Same situation as before, but the 3♣ in C's hand is replaced by a 2♣. A still clues ♠ to C, and as before B clues ♥ to A as a finesse, C plays 3♠, D plays 2♠. Now E sees that if A intended to get 3♠ played only, they could have given a 3 clue instead, which won't have required a fix. Thus, the ♠ clue must be a finesse, and E can play 4♠ immediately.

6.2 Non-playable focus

If the focus of the clue is not playable, then the clue must be a prompt or a finesse. If it is not a *reverse finesse*, then the same principle as before applies. As before, if a colour clue touches three or more cards, the same principles apply.

Convention 6.6. Conventions 6.1 and 6.4 apply also if the clue is a prompt or a finesse on the focus.

Example 6.7.

+

A

B

C

D

E

Description.

A clues clue to C. B it is a finesse on so they must have and it must be the leftmost of the two clued in their hand. As before, since a clue to C would have got only, it must also be a finesse on so after D discards, E can play as well.

In case of a reverse finesse, even if the clued cards are not in the right order, the finesse can still be performed. However, a *fix clue* will be needed afterwards.

Convention 6.8 (Out of order finesse). If a colour clue on multiple cards is given, and none of them is playable, it must be a finesse on the lowest value relevant one. If they are out of order, a fix clue is needed. If the fix clue touches the lowest value relevant card, then the other is promised to be playable (possibly through a finesse).

If the focus of a colour clue on two or more cards is exactly one-away, then it is still possible to perform a *bluff* on the next player.

Convention 6.9 (Multiple cards bluff). Convention 5.19 applies also if the colour clue touches two or more cards, provided that none of them is playable and that the focus of the clue is exactly one-away.

6.3 Known cards

We now deal with the case in which a clue touches both new cards, and known cards.

Convention 6.10 (Delayed finesse). If a player receives a colour clue on multiple cards, some of which are already number clued, it is a *play clue*, *finesse*, or *delayed finesse* on the previously unclued cards. The previously number clued cards are not supposed to be playable (unless they obviously are), and this does not trigger any prompt or finesse involving these cards.

However, if only one new card is touched, and there was a clear *number play clue* to give that touched that card only, then the clue is also a finesse on the lowest rank relevant card that already had a number clue on. Possible other higher rank cards are not supposed to be involved.

6.4 Fixing playing order

Sometimes two or more cards are in queue to be played, but the first of them is not playable, or worse, none of them is. In these cases, a fix clue is needed.

Convention 6.11 (Fix for two cards). If there are two clued cards of the same colour in queue to be played, but in the wrong order, then give a fix clue as follows. If it is guaranteed that at least one of them is playable, they are both playable, either can be clued; if only the lowest value one is playable, the other must be clued; if the highest rank one is playable through a finesse, the lowest rank one must be clued.

If none of them is guaranteed to be playable, but they are still supposed to be played, then clue the first in playing order if the second can be played, and clue the second if none can be played.

Convention 6.12 (Fix for three cards). If there are three clued cards of the same colour in queue to be played, but in the wrong order, give a fix clue as follows. If they are all playable, the one that should be clued is the one that is neither the focus of the clue nor the immediately playable card. If only two of them are playable (possibly through a finesse), the non-playable one should be clued, unless that would lead to a misplay; in that case (the non-playable one is the focus and the immediately playable one is last in the playing order) act like they are all playable, then give another fix clue later if needed. If only one of them is playable, it must be clued.

Notice that any clue received in such a situation implies that the first card in the playing order is not playable.

Corollary 6.13. If the first card in queue to be played, then no fix clue must be given until that card is played.

The possible cases for four clued cards of the same colour are too many to fully describe. The principles are the following: any clue implies that the first card in the playing order is not playable, and all the cards are supposed to be played until explicit contradictory information is given.

The same conventions apply for finessed cards that require a fix to be played in the right order.

Rarely, a player might end up with two colour clued cards, none of which is supposed to be played. When these cards become playable, it might be useful to give a tempo clue to have them played.

Convention 6.14 (Two colour clued cards). If a player has two colour clued cards which are not supposed to be played, then do not clue them anything if they are not playable, clue the higher rank one if the other is playable, and clue the lower rank one if both are playable. This can trigger finesses.

7 Early game conventions

We denote by *early game* the phase of the game before the first blind discard. Misplaying a card does not end the early game. Discarding a clued card that is known to be useless does not end the early game either. As we already said, during the early game most of the relevant information involves **1**'s and **2**'s, so it would be a waste to explicitly give clues on that card. There are some useful rules that can make the first few clues extremely efficient.

7.1 First clue

Giving a 1-for-1 play clue as first clue is often inefficient, as it might be interfering with a better play clue that touches the first player's hand as well.

Convention 7.1 (Non-intersection principle). Any *play clue* given by the first player must either be at least 2-for-1, except for a 1-for-1 clue touching a card that can't possibly be in that player's hand (e.g. **1*** or any **1** of which all three copies are visible).

If the first player cannot give such a clue, they are allowed to clue any **2** or **5** without triggering a finesse.

7.2 Discards

It's highly unlikely that a player is allowed to discard during the early game, because there's a chance that no one had the possibility to tell them not to do so.

Convention 7.2 (Early game discard). A player is not allowed to perform the first discard if all the players before them either played, gave *play clues*, or gave *fix clues* (including pre-emptive fix clues intended as setup for a follow-up play clue). These clues must be extinguished before giving any *save clue*. A player is also not allowed to perform the first discard if they received the first *save clue* of the game.

There is an obvious exception: a player is allowed to give a *save clue* (rather than a *play clue* or a *fix clue*) if not doing so would result in potentially discarding a card that needs to be saved, unless they can also prevent it by giving a *play clue* instead.

Sometimes, players let a **1** or a **2** be discarded on purpose, because they appear in multiple copies or in multiple hands.

Convention 7.3 (Early game discard notes). During the early game, if a **1** or a **2** is purposely not saved and happens to be discarded, then Convention 3.11 apply even if the double discard does not actually happen.

7.3 Playing order

Convention 7.4 (1's playing order). When a player receives a **1** clue, they are supposed to play them starting from the ones that were not in the starting hand, starting from the chop and then from left to right, and then the ones that were in their starting hand, from right to left.

This system allows for a better management of duplicated **1**'s, in a way such that there is often no need of a *fix clue* to prevent a misplay.

When multiple play clues are available, it is usually better to give them to the first player in turn order, as long as this does not lower the efficiency. If this doesn't happen, there must be a reason, usually that some of the **1** that have been skipped are duplicated.

Convention 7.5 (Skipped 1's). A **1** clue touching two or more cards that were all in the starting hand, and that has been skipped in favour of another clue with lesser or equal efficiency given to a player coming after the one who just received the clue, implies that at least one of the clued cards is trash. The player who received the clue is supposed to play all but one of them from right to left and discard the last one, unless they receive other conflicting information.

7.4 Complements

Convention 7.6 (Complement 3 and 4). Any **3** or **4** clue given during the early game that is not a *fix clue* is a *complement clue* instead. The player who receives it is supposed to play all their other cards, starting from cards that already have a *play clue* on them in the usual priority order (see Subsection 8.1), if any, and following with all the remaining unclued cards, *from right to left* (the opposite of the usual order).

These clues can also be given by recluing a **5**.

Convention 7.7 (Complement double 5). Recluing a **5** during the early game is also a *complement clue*, and it is to be interpreted exactly as a **3** or **4** complement clue.

Complement clues can trigger finesses as well, but sometimes this can get confusing if the clue requires a fix.

Convention 7.8 (Two card promise and 5 fix). A complement clue leaving two or more unclued cards promises that at least two of them are playable (possibly through finesses), and that if there is a third unclued card that is not playable, then it must be a **5**.

This makes it clear when a card is included in a complement (possibly triggering finesses) and when the clue requires a fix instead.

Using complement clues this way gives some interesting corollaries.

Convention 7.9 (All-but-one-1's save). If a player gets a **1** clue on all but one unclued card during the early game, then the remaining card must be a **2** or **5**. That card is permanently chop moved (it cannot be discarded), and it counts as having a **2** clue for the purpose of prompts and finesses only. If that card also has a negative **2** or **5**, then it counts as having the appropriate number clue for all purposes.

Since a **3** or **4** clue given during the early game is a complement, in order to save a black **3** or **4** a colour clue is needed.

Convention 7.10 (Early game black saves). During the early game, a ***** clue on a chop card has to be interpreted as *save clue* on that card, which must be a **3*** or a **4***. As usual, **2*** and **5*** must be saved with a *number clue*.

Sometimes a **3** or **4** is misplayed during the early game, making saves difficult. If that happens, complements are off for that type of clue given on a chop card. The same holds from the beginning of the game (regardless of misplays) in any variant with a dark suit that does not allow for colour saves, such as *dark rainbow* or *grey*.

Convention 7.11 (Early game misplay). If a **3** is misplayed during the early game, then a **3** clue on a chop card has to be interpreted as *save clue* on that card, unless all the critical **3**'s are visible by both the player giving the clue and the player receiving it. The same holds with **4**'s.

Corollary 7.12. If a **3** or **4** clue on a chop card that can be interpreted as a save clue is instead interpreted as a complement clue, it means that all the critical **3**'s or **4**'s are visible by both the player giving the clue and the player receiving it, so if another player can't see one or more of them, these cards must be in their hand.

7.5 Fix clues for complements

It can happen that a complement clue must be given immediately, but it would trigger a finesse and the connecting card (that must be visible in some player's hand) is not in finesse position. In this case, the clue can still be given, and if the next card in the complement is not immediately playable, the other players should act as follows.

- If, at the moment in which the clue was given, the connecting card was visible in any other player's hand (except the one who originally gave the clue), and it was in finesse position, they should assume that the original clue is implying a finesse on that card.
- If not, if they see a copy of the connecting card in the hand of any player strictly between them and the one who originally gave the clue, and that card was not in finesse position at the moment the clue was given, then they should give a fix clue.
- If not, if they see a copy of the connecting card in the hand of any player strictly between the one who originally gave the clue and the one who received the clue, and that card was not in finesse position at the moment the clue was given, then they may clue that card (but don't have to).
- If they can't see any copy of the connecting card, then they should assume that the original clue was a finesse, hence they should play their card that was in finesse position when the clue was given.

The same holds for a card in the complement that is 2-away or more, even if it is not the text one to be played, (remember that it is promised to be playable unless it is a **5**) if any connecting card must be played before the original cluer's next turn to prevent future misplays.

8 Mid game conventions

This section is dedicated to all those conventions that are generally used through all the game, especially during the mid game (i.e. after the early game but before the late game).

8.1 Priorities

It often happens that a player has a choice between multiple cards to play. In these cases, it is convenient to establish a preferential order for the cards that have to be played, so that purposefully choosing a different order will pass information to the other players.

Convention 8.1 (Standard priority order). The standard priority order is the following:

1. Blind-plays (demonstrating that a finesse or a bluff occurred is very important).
2. Cards that lead into clued cards in someone else's hand (to give other people cards to play).
3. Cards that lead into the player's own hand, if there is no **5** (so the rest of that suit can be played earlier).
4. **5**'s (to gain a clue).
5. The card with the lower number (it's better not to leave a suit too far behind).
6. The focus of the original clue, or otherwise the leftmost card (it is more likely to be important).

Sometimes, because of the context, a player has full knowledge on a card that they are supposed to blind-play. In that case, the team is supposed to treat that card as clued when determining the priority order.

By assuming that players are following the priority order, is it possible to perform *priority prompts* or *priority finesses*.

Convention 8.2 (Priority prompt/finesse). If a player purposefully chooses to play a card that does not follow the priority order, they are promising that the next card of that suit is in *finesse position* in the hand of some other player.

It can happen that a player has a card that leads into an unclued card in someone else's hand that is not in finesse position. In such a case, it might still be worth it to play it, just so that the player with the next card will have something to do on their turn. However, this requires a *fix clue* to be given to that player. If possible, that player has to interpret it as a *play clue* rather than a *fix clue*.

As for a normal finesse, it is possible to perform *priority bluffs*.

Convention 8.3 (Priority bluff). If a player purposefully chooses to play a card that does not follow the priority order, the next card of that suit is not visible, and the next player has no clued cards that are compatible with that card, then that player has to play their drop card as priority bluff, and no one should assume that the promised card is actually visible in any player's hand.

During the late game (see Section 9), the priority order makes less sense, as there are several reasons for which a player thinks that an out-of-order play can help achieving a better score, and some of them are fairly common.

Convention 8.4 (No late game priorities). Priority prompts, finesses, and bluffs are generally off during the late game. They can still be performed if no other explanation for an out-of-order play is available.

Of course the information is asymmetric in this game, so a player can have a totally valid reason for an out-of-order play, but another player might not be able to see it. It is up to the players to decide whether an out-of-order play can have a different reason behind it or not, based on contextual information.

8.2 Trash complements

Late in the game, some clues are just useless. It's clear that clueing **1** when all the six **1**'s have been played, or clueing **5** after the **5** has been played, doesn't mean that you have to play those cards. It is a complement clue instead.

Convention 8.5 (Trash complement). Cluing any set of trash cards means that the clued player should play the complement (the cards not involved in that clue) *left to right* (the usual order). The clued player should start with their compatible clued cards that are not a **5** (if any), and then their unclued cards, as for finesses.

Example 8.6.

+ **3** **5** **3** **3** **2** **2**

A **4** **3** **2** **5**

B **4** **1** **5** **4**

C **2** **2** **1** **5**

D **4** **4** **4** **1**

E **3** **4** **4** **1**

Description.

A is to play. They can safely clue **1** to B, who should play their **4** (followed by **4** and **5** in the upcoming rounds). Immediately after, C can clue **5** to A. In fact, A knows that their green cards are trash (both A and C see the **5** in B's hand), hence A should play the complement left to right. The **5** is not immediately playable, it will be at the right moment (B has to play the **4** their next turn).

Example 8.7.

+ **3** **5** **3** **3** **2** **2**

A **5** **3** **4** **5**

B **3** **1** **5** **4**

C **2** **2** **1** **5**

D **4** **4** **4** **1**

E **3** **4** **4** **1**

Description.

Similar as before, but now B doesn't have a **4**. D has one, but they don't know about it, and the **5** is the leftmost card in A's hand. C can still clue **5** to A, and this becomes a finesse for D. In fact, C is asking A to play their leftmost card (which isn't playable), so it must be a finesse.

Example 8.8.

+

A

B

C

D

E

Description.

In this case there is no around. C may clue to A anyway, hoping for a to show up as soon as possible, and possibly cluing to A if it doesn't (same principle as fix clue for finesses, see 5.34). It is *not* a finesse (yet) because the isn't A's first card to play. Also notice that B has a playable clued in their hand, hence (if they don't get any extra clue) they will play that card as a right after A plays their .

Sometimes a trash clue can implicitly act as a prompt or a finesse for another player.

Convention 8.9 (Implicit trash finesse). If a player gets a trash complement clue, but the clued cards are not globally known to be trash, then both the player who gives the clue and the player who receives the clue must know that these cards are, in fact, trash. This means that the missing cards of that number or colour must be visible in some other player's hand.

If there is only one clued card that matches the missing card, then it is promised to be it. If there is only one card that matches the missing card, clued or not, then it must be it.

Example 8.10.

+

A

B

C

D

E

Description.

Here C clues to A. It must be a complement (and a finesse on D's as well), as the clued green cards are trash. B can't see any or , so they can deduce that their clued and must be green.

Example 8.11.

+

3	●
---	---

5	▲
---	---

3	✕
---	---

3	■
---	---

2	■
---	---

3	✱
---	---

A

5	●
---	---

3	✕
---	---

2	✕
---	---

4	■
---	---

B

4	✕
---	---

1	✕
---	---

5	✕
---	---

4	✱
---	---

C

2	●
---	---

2	▲
---	---

1	■
---	---

5	✱
---	---

D

4	●
---	---

4	✕
---	---

4	▲
---	---

1	●
---	---

E

3	■
---	---

4	■
---	---

1	▲
---	---

1	■
---	---

Description.

Same as before, but B's $4\star$ and $4\otimes$ are switched. Let us also assume that B has a negative 4 clue on their $1\otimes$. During their next turn, B will play their $4\star$ as $4\otimes$. Then, realising that it is not a $4\otimes$, but knowing that they must have one, they will play their unclued $4\otimes$, and finally their $5\otimes$.

9 Late game conventions

When the game is about to end, efficiency is often a lot less useful than tempo, and discarding should be modulated among players. Precise computing of game lines is required, and more often than not it is better to just give low value clues to avoid discarding.

9.1 Positional clues

It can happen that a player knows, by negative information, that all their cards are trash, and can thus choose which one to discard if they have to.

Convention 9.1 (Positional trash discard). If a player knows that they do not have any relevant card in their hand, they can discard from any slot to communicate to the next unoccupied player to play the card in the matching slot.

Example 9.2.

+

5	♠	3	♠	5	♠	3	♠	5	♠	4	♠
---	---	---	---	---	---	---	---	---	---	---	---

A

3	♠	1	♠	2	♠	2	♠
---	---	---	---	---	---	---	---

B

1	♠	5	♠	4	♠	4	♠
---	---	---	---	---	---	---	---

C

4	♠	1	♠	3	♠	3	♠
---	---	---	---	---	---	---	---

D

5	♠	1	♠	4	♠	1	♠
---	---	---	---	---	---	---	---

E

5	♠	2	♠	1	♠	3	♠
---	---	---	---	---	---	---	---



























Description.

A to play, no clues left, two cards in the deck. One 4♠ has been discarded. In order to achieve a perfect score, B must play their 4♠ immediately, but they don't know which card is it (from B's perspective, it may still be in the deck). All the other players already have a play.




A knows that they don't have any relevant card, so they discard their 2♠ from slot 3, asking B (the first player who doesn't know what to do) to play their card in the same position (the 4♠). They do, then C, D, E play their clued cards, A clues 5 to B with the clue they gained the last round, B plays the 5♠, and the players score a 30.












Sometimes it can be worth it to perform a positional trash discard even if the discarded card is potentially relevant.

Example 9.3.

+						
A						
B	 ⁵					
C						
D	 ⁴					
E						

Description.

As before, A to play, no clues left, two cards in the deck, one  has been discarded. B, C, and D have been permuted, and also A, not E, has the  in their hand. Notice that there is no way to point the  in C's hand with one single clue.

A still discards their  from slot 3. It may have been the , but even then this is the correct play. B knows that their only relevant card is the , so in particular they know that they must not play. Also, C has to play two cards, so B must not discard either. In this case, B clues  to A. C plays the  according to A's discard, then D plays their , and E, with no clues left, discards their  from slot 3 to communicate to C that their  is in that slot (they drew a new card after playing their ). A and B play their , C play their  because of E's positional trash discard, and once again the players score a 30.

Unfortunately, if it is not globally known that a player knows that they do not have any relevant card, and the card to be played in the next unoccupied player's hand is in the same slot as the current player's chop, then a positional trash discard will be interpreted as a regular discard and will not trigger a play.

Convention 9.4 (Positional chop misplay). If a player knows that they do not have any relevant card in their hand, and the next unoccupied player has a playable card in the slot matching the current player's chop, and there will still be cards left in the deck when the next unoccupied player's turn comes, then they can purposefully misplay their chop card to communicate that player to play the card in that slot.

9.2 Stall clues

In the late game, it often happens that a player is not supposed to discard, but any clue that they can give is potentially misinterpreted as a *play clue* or a *finesse*. This is inconvenient, so during the late game it is better to prevent that from happening.

Convention 9.5 (Late game stall numbers). In the late game, a number clue on any relevant card that could have been given as a colour clue is a *stall clue*, which is just passing some information about that card and it is not supposed to trigger any finesse or being interpreted as *play clue*.

This usually works well as it rarely happens that there is more than one relevant card with a given number that is not visible in any other player's hand, which means that such a clue often gives complete information on the identity of that card (and can work as a *play clue* if the only possible option for that card is actually playable). It is also one of the most efficient ways to spend a clue in a turn in which a player is not supposed to discard.