



# To find the Jack

A top served you and has corrected to 7 N.T the 7 Spades of the Partner with

♠ AKQJ  
♥ AKQJ  
♦ AKQT  
♣ 2

♠ 5432  
♥ 5432  
♦ 432  
♣ A3  
*South*

## *Fante01*

On the attack of King of Clubs it is endured to you clearly that you must capture the Jack of Diamonds in order to realize the contract. You have 2 alternatives: the struck one and finesse, but you must decide endured without being able to acquire information adds them.

Finesse to win 50% of the times, this is easy. The struck one ago to gain approximately 54% times.

## *Fante02*

Same cards, but the attack has been Spades. The Spades are 2/3, the Hearts are 2/3 and you strike 2 blows of Diamonds on which all they answer, but does not appear the Jack.

Now Clubs for the hand and Diamonds towards the fork on which it comes supplied the residual small.

We are in degrees to reconstruct the free places that are 6 in the West (13 less 2 Spades, 2 Hearts and 3 Diamonds. Remembered: I can count the 5 small cards of Diamonds like completely famous a special Suit) and 5 in East (13 less 3 Spades, 3 Hearts and 2 Diamonds).

Now is better finesse 6 against 5.

54 to 50 are much various one from 6 to 5. In the ODDS what it has importance is the relationship of the forces, that is the Mathematical Hope.

Saying various: a game line is preferibile if it has more ODD than an other, of how much is preferibile depends on the relationship between the ODDS. If small infraction is one not to strike 54 to 50 (SM=1,08) criminal code is a crime not to make finesse 6 to 5 (SM=1,20)

We have seen a case particular, we have not only been in a position to verifying that a hand has a free place in more of the other, but also we have been able to discover to the distribution of all the small cards of Diamonds (the 5<sup>^</sup> now familiar Suit)

It could but to happen that we acquire information on the free places and we are not in a position to establishing in some way the distribution of the small Diamonds.

As an example:

♠ 5432  
♥ A  
♦ 432  
♣ 65432  
  
♠ 876  
♥ K32  
♦ AKQT  
♣ AKQ  
**South**

*Fante03*

With which we play 3 S.A. receiving the attack to Spades from the 4<sup>^</sup>. Exhausted the Spades the return is Hearts.

For before and the last time we are to the dead man and we must decide endured if to make I finesse to the Jack of Diamonds or to entrust us to the battered one.

We calculate the ODDS of the 2 alternatives of game in a way simplified (but not for this less precise one).

A priori we know that the struck one makes us to win, approximately, 54% of the times. The acquired information have not carried particular modify (remembered the free places have an important effect on the divisions, but insufficient effect on the distributions), as an example the Jack of Diamonds to right 3<sup>^</sup> are now little more probable while on the left, but after all we can confirm this value.

How many times make us to win finesse are simple to calculate, are 11 free places to right and 9 on the left, if we bring back this in percentage makes 55% (you aid to remember as it is proceeded:  $11+9=20$ , now divides 100 for 20 and it obtains 5, finally is multiplied  $5 \times 11=55$ ).

After all 55% to 54% (I have inserted symbol "%" because once a lot is just the percentages) for finesse with one SM 1,02 hardly. Then I finesse?

Memory a joke of some years ago that it said: "As they make the love the porcopine? With a lot, much attention ", Analogous when the refuse between 2 alternatives is therefore small is necessary to go with the feet of lead in order to enjoy to full load the joys the game.

First I would not never choose I finesse if the hands one is manual, in this case the tendency to the production of balanced hands exceeds 1% by far.

But even if the Hands ones have been produced from the computer are necessary to take in serious consideration the relationships with the Partner.

Imagined to opt for I finesse and to have happened, sure you will take a good result and all will point out as R-he who is been born under a good star. You suppose instead not having fortune, equally sure yours it will have much to protest, practically a ruined tournament.

Of against you suppose to play a tournament of high level with many hands and to take habitually small advantages to you of this type. Sure in the long run you will earn positions in classifies.

There is an other interesting case

4 Hearts played with

♠ 765  
♥ 76  
♦ 5432  
♣ AKQ5

♠ 432  
♥ AKQT98  
♦ AK  
♣ 32  
**South**

*Fante04*

And the West that it has opened of a Spades attacks with Ace, King and Queen. East answers only once. Return Queen of Diamonds taken of struck Ace and of Ace of Hearts on which all they answer, now Clubs to the Ace and Hearts towards the fork, East answers. To the battered usual or I finesse?

The Jack of Hearts is useless on the opening score, must only use the free places. The west has 7 (13 less 6 Spades), East 12 (13 less 1 Spades) and must put to comparison the following cases

a)  $x/Jxxx$  ( $1 \times 10 \times 9 \times 4=360$ ), is multiplied for 4 because there are 4 various ways to resolve the division  $x/Jxxx$  (that is are 4 divisions for the division) favorable to I finesse against

b)  $Jxx/xx$  ( $6 \times 5 \times 1 \times 6=180$ ), is multiplied for 6 because there are 6 various ways to resolve the  $Jxx/xx$  division to which it goes added  $Jx/xxx$  ( $6 \times 10 \times 4=240$ ), is multiplied for 4 because mine is 4 various ways to resolve the  $Jx/xxx$  division for a total of 420 [how many numbers, to the next tournament carries me the favourable calculator ] to the struck one.

Then there would be the case

a)  $xx/Jxx$

but this is not necessary count because we win however.

It remains preferibile struck the 420 against 360.

I am useful for the circumstance perhaps and I propose you an other little of theory.

We have put to comparison 2 lines of game: I finesse and the struck one after to have ascertained division 6/1 of the Spades and that the West has at least one small cart of Hearts and East at least 2

Before it wins with this figure

West	East
X	JXXX

The cards in Red are the small cards that we have seen, do not come explicitate because always we will suppose that the refuse of the useless small cards is accidental.

The cards in Black are those that still lack to the appeal.

Leaving from the free places we reason therefore: we number the places in decreasing way beginning from 13 and assign the places to the gradually shown cards. Then the West occupies the first 7 places with its 6 Spades and the small card of Hearts and in count the part from place 6 ( $13-6-1=6$ ); East occupies the first 3 places with the Spades and the 2 small cards of shown Hearts and in count the part from place 10 ( $13-1-2=10$ ).

We are ready to make of account

If we want that this alternative is taken place then the West this does not have to put to disposition places between its cards (is worth 1), while East it puts to disposition two you mail in order to place the 2 cards, but must already accommodate a Spades and 2 Hearts, then begin from position 10 and continue with the 9.

We have not explicit the small cards because we consider them all equal ones, but then must take in consideration all the divisions that are 4 (in x/Jxxx the every small cards to turn occupy the position of left).

The Jack makes history to if (Honours meant you for the contract and the small cards of the same suit are considered pertaining to different suits) and only being it does not contribute to the divisions.

Putting with all the alternatives 1 x is obtained  $10 \times 9 \times 4 = 360$ .

We analyse now the second one that wins with

West	East
JXX	XX
JX	XXX

The cards in Black are those that still lack to the appeal, if we want that the first alternative is taken place then the West must put to disposition still two places between its cards to leave from the 6 and continuing with 5 (6 are occupied from the Spades and seventh from the small card of Hearts shown), East does not put to disposition some ulterior place (this is worth 1).

The divisions of the small cards this time are 6 (rather than to explain it to you I invite to take 2, 3, 4 to you and 5 and to control that you can divide to 2 to 2 in 6 various ways).

Putting with all the alternatives x are obtained  $6 \times 5 \times 1 \times 6 = 180$ .

For the second West it puts to disposition single place 6, East place 10, the divisions are 4 (are 4 ways to put one alone small card with the Jack and the others)

Putting with all the 10 alternatives one obtains  $6 \times 10 \times 4 = 240$ .  
And adding  $180 + 240 = 420$ .

#### *Fante05*

For pure curiosity, and if the things become exasperated still more because put East has seventh? Hour finally becomes preferibile finesse something like 4 to 3, you saving the accounts [that however you are by now in a position to making alone]

#### Pills

- With 7 cards lacking the Jack the norm and to strike. This makes to gain 54% of the times against 50% of finesse. - with 7 cards if you have the possibility to acquire information it always adds them on the distribution, the complete situation of the small cards in the suit of the Jack and succeeded in to acquire with certainty that one of the defenders has also a single free place in more of the other played the Jack in its hand.
- If you do not have way to pick the division of the small cards that accompany the Jack are necessary 3 free places of difference in order to play the Jack in the hand of a specific player (to rigor of numbers are enough 2, but as seen it is much rischioso for the coronary ones) - If you have 8 cards, and you have not had way to pick indications on the distribution of the small cards in the suit of the Jack, it is necessary a difference of 6 free places at least in order makes to prefer you I finesse to the battered one.
- Remembered that the Jack is worth only a Point, is not nearly never determining to the ends of one opening or one lacked opening.

To find the Queen (with 9 cards)

Sure you know the saying "With 9 is struck". We try to understand as it is born and in which occasions it would be better never was not been born.

You have

AJ32  
KT987

With all the necessary times.

#### *Donna01*

In absence of ulterior information pulled a Piece, as an example the Ace. To the usual if indovinato the side because on the left she does not answer or the Queen has fallen you or has mistaken the side because she does not answer to right you will be able to only record fortunate happening or a immeritato failure.

If it does not happen null of all that move towards the King and when the small card appears you will have to decide if to insert the Jack or to strike. The theory of the free places says that the struck one offers 12 possibilities of succeeding to you against 11.

E' for that it is said "With 9 strikes".

The truth is always various like can see in this hand (and its variations).

♠ 432  
♥ AJ32  
♦ A43  
♣ A32

♠ 765  
♥ KT987  
♦ K2  
♣ KQ4  
South

in which 4 Hearts with attack played Ace, King and Queen of Spades from the West (while East it answers with 2 small cards and then it discards Diamonds).

*Donna02*

In order to begin we will suppose that the West has interfered in zone of a Spades, this renders superfluous to ask itself if for score must possess the Queen of Hearts.

We strike the Ace of Hearts and we play Hearts towards the hand, appear 3 small cards.

By now we are best and we know that there are 9 places books in East and solo 7 in the West. I finesse offers one possibility of succeeding 9 against 7.

*Donna03*

All equal, but with interference 4<sup>^</sup>. Now I compute of the free places says 8 to right and 8 on the left, what to make? Exactly what it seems to you, you will gain and lose in equal measure any choice you take.

This is not a rare case, happens that 2 alternatives are equivalent.

*Donna04*

Still a change, we suppose that the West has opened of a Spades with 5 cards and 8 Points to Spades (because the Queen of Spades to East falls to according to turn).

This time we must the 11 points that can be caught up with the following combinations of Honours to side:

- a) Queen of Hearts and Queen of Diamonds
- b) Queen of Hearts and Jack of Diamonds
- c) Queen of Hearts and Jack of Clubs
- d) Queen of Hearts, Queen and Jack of Diamonds
- e) Queen of Hearts, Queen of Diamonds and Jack of Clubs
- f) Queen of Hearts, Jack of Diamonds and Jack of Clubs
- g) Queen of Hearts, Queen and Jack of Diamonds and Jack of Clubs
- h) Queen and Jack of Diamonds
- i) Queen of Diamonds and Jack of Clubs
- j) Queen and Jack of Diamonds, Jack of Clubs

That is 7 times on 10 (or better 7 against 3) must possess the Queen of Hearts. The passage to the ODDS and therefore to the Mathematical Hope is not immediate, the 10 listed combinations does not have the same possibility to take place itself. Shortly those with 2 cards will be more frequent, those with less 3 and that one with 4 less still. And in effects the SM is not worth  $7/3=2,33$ , but approximately 2.

The principle of the "Nail drives away nail" ignores the free places and in virtue of this Mathematical Hope around to 2 to favor of the Queen the West we strike.

*Donna05*

As already made previously we return to suppose that the opener of Spades has 10 points to Spades, now the presence of the Queen of Hearts between its cards is not more therefore determining for the attainment of the threshold of the 11 points.

It is returned to I finesse.

Hour we will suppose to play 4 Hearts with

- ♠ 432
  - ♥ JT32
  - ♦ A
  - ♣ J6543
  
  - ♠ 765
  - ♥ AK987
  - ♦ K2
  - ♣ AKQ
- South

*Donna06*

From the bid one we are not resolutions to ascertain null approximately the distribution of the points. We receive the attack of Ace, King and Queen of Spades fifth, and the return of small Diamonds.

Ti move the Jack of Hearts and on the small of East we must decide endured.

We put to comparison several the cases that can be introduced

a)  $x/Qxx$  ( $8 \times 11 \times 10 \times 9 \times 3=23760$ ) [ is multiplied for 3 because there are 3 ways to resolve the distribution ],  $-/Qxxx$  ( $1 \times 11 \times 10 \times 9 \times 8 \times 1=7920$ ) [ one single possibility for the empty one in the West, a single division ],  $xx/Qx$  ( $8 \times 7 \times 11 \times 10 \times 3=18480$ ) [ 3 ways to resolve the division ] in total 50200 for finessees b)  $xx/Qx$  (R-come.sopra 18480),  $Qx/xx$  (also this 18480),  $Q/xxx$  ( $8 \times 11 \times 10 \times 9 \times 1=7920$ ) [ one single division ] in total 44880 for the struck one

With ODDS 50200 to 44880 and  $SM=1,12$  I finesse is obligatory

To say that with 9 it is struck is truly much restrictive one.

It can go well for who is excessive lazy or it has not still read this understood it.

## Pills

- With 9 cards it is struck, in order to capture the Queen, if you do not have no information adds them
- If you have acquired with certainty the possession of equal a number of free places and have seen all the small cards of the suit of the Queen you can indifferently make I finesse or to strike
- If, having seen all the small cards that they accompany the Queen, you have acquired with certainty the possession of 1 or more free places are obligatory finesse on the Player with more free places.
- If you have acquired the certainty of 3 carried out free places of difference I finesse even if you do not have information on the small cards in the suit of the Queen
- Like only exception, but it is an important exception, returned to the struck one if you have valid elements in order to think important the 2 points to the aim to justify one opening or one lacked opening

To find the Queen (with 8 cards)

"With 8 Finesse is made" recites an other famous saying. We see because

You have

AJT9  
K876

*Donna07*

Pulled the Ace and move towards the King, all answer.

We must put to comparison the following divisions (and relative divisions)

a) xx/Qxx (12 x 11 x 6=792) [ we clear for last time 12 you mail free for the second card in the West; 11 for third in East; 6 possible divisions); x/Qxxx (1 x 11x10 x 4=440). In favorable total 1232 to I finesse b) Qx/xxx (12 x 11 x 4=528). Favorable to the struck one

Therefore 1232 to 528 win finesse.

This justifies the saying "With 8 makes Finesse".

For recorded these numbers they cannot be used in order to calculate the probabilities of succeeding of the 2 lines of game because they are not exhaustive of the possibilities, express only the ODDS of the 2 events considers you at the moment in which we find ourselves.

I explain myself better. The probability of succeeding of I finesse (preceded from the struck one of Honor) is a priori around to 52.8% [ approximately 50% of I finesse more a 2.8% for the Queen sand bank from the other part ], and that one of the struck one, always a priori, is around to 27,3%.

They could have verified some events, type a Queen in second fall or in East, but they have not been taken place. This succeeding must have reduced our possibilities of.

And in effects it is as. If we want to calculate the probabilities to this point of the game serves us the complement, that is with of the divisions that they do not make us to win:

a) The complement is represented from  $Q_{xx}/xx$  ( $12 \times 11 \times 1 \times 6 = 792$ );

Hour, if we want, we can pass to the probabilities of succeeding with the usual system:  $1232 + 528 + 792 = 2552$ ,  $100/2552 = 0,0392$ ,  $1232 \times 0.0392 = 48.3\%$  (percentage of succeeding of I finesse),  $528 \times 0.0392 = 20.7\%$  (percentage of succeeding of the struck one),  $792 \times 0.0392 = 31\%$  (percentage of failure any thing we make).

But by now you have learned to diffidare, sure are begun to suspect that in some circumstance us it must be involved in different way.

You have reason, we consider the following example:

♠ AJ32  
♥ 432  
♦ AKQ  
♣ AKQ

♠ 765  
♥ KT98  
♦ J32  
♣ J32  
South

in which 4 played Spades after that the West has opened of Hearts with the 5?. After the attack we discover that it possesses 9 points to Hearts (falls the Jack in East)

If we think of dovergli attributing a minimum of 11 points IT MUST obligatorily possess the Queen of Spades!

*Donna08*

Small modification and we make to disappear the 2 Makes you in the minors of South, now are 5 possible alternatives in order to catch up the 11 Points:

- a) The Queen of Spades
- b) The Queen of Spades and the Jack of Diamonds
- c) The Queen of Spades and the Jack of Clubs
- d) The Queen of Spades and both Makes
- e) The 2 Jacks in the Minors

She follows some that the West must possess the Queen of Spades 4 times against one. We have already seen a case similar, you have the maximum succeeding possibilities of pulling the King of Spades and making I finesse on the West to dispetto of the elevated number of free places of East

If to this we add to move the Ace of Spades in South therefore that not is the possibility to make I finesse on both defenders the best who you can make and strike in head. And this creates one new perspective: "the free places for the Honours".

Pills

- With 8 cards it is made I finesse in order to try to capture the Queen
- Oriented I finesse on the Player with more free places

- If you think the 2 points of the Queen important in order to justify a oriented opening or a lacked opening finesse consequently, if you cannot execute I finesse as an example (because Ace and King is from the same part and is that one mistaken) refolded on the struck one.