



Prologue

What I am about myself to realize wants to be a reflection moment on the calculation of the probabilities applied to the bridge: on that they have said to us, without always to convince to us, and on that they have not never said to us, perhaps because they did not know it.

Two words on me: they are loving of the Mathematics, the Computer that have become my job and of the Bridge; unavoidable that the 3 things in order to interlace itself.

Many times are placed to me and they are felt to me to place the question "Because the Player of bridge would have to know statistics and the calculation of the probabilities". In purpose I have one my philosophy that can be reassumed in one phrase: The bridge it is a game with solo 2 members, one psychological and the other probability

How much is important one or the other depends nearly exclusively on the level which played.

Then as in whichever game of papers there is the member fortune, but this ends with balancing the good hands with those bad ones and can neglect it.

If habitually participated to the Tournament of your Club and your greater aspiration is to classify you before the pair Old-Woman, 2 likeable ladies who regularly crops you of the zero dealing to you with great cordiality I hold you must mainly make confidence on the presence the table, the fantasy and the good relationship with the Partner (psychological member).

Vice versa if often participated to Tournament National or International, where your adversaries are perfectly in a position to not making bid or played absurd, to blanket psychical and is not made to condition from eliminator declarations those "quid" in more that it can make the difference and your ability to analysis and deliberate risk (probability member).

For this reason I have tried to satisfy the requirements of who entrusts to statistics 10% of the own ones turns out to you and of who 90% entrust you.

We will see many numbers. Every time I will try to motivate them in more or less scientific way, and always the doubt who are mistaking to me, in good faith will even remain you, especially when I will say various things from that they have said to you up to now.

Watched that it is a legitimate doubt, also "expert" we have, or at least we must have, the same perplexities because the matter is complex and it is lend to calculation and formulation errors.

Therefore before beginning we familiarize with the Alter Ego of the probabilities, that is the frequency.

We suppose that an Event has one to take place itself of 60%. And lawful to attend that if we make 100 tried to you the event takes place approximately 60 times.

Sometimes this is impossible to realize. Thoughts to one left of Italy-Brazil soccer, we can assign to the Victoria of Italy 60% of probability to take place ourselves, but we cannot make to play 100 times the same game in order to control if we have reason; it is worth some taking in consideration 100 you meet various because in the time they are changes the players to you, the motivations, etc.

In the bridge we are benefits to you. We suppose to estimate, but not to know, that I surpass succeeds 50% of the times, we can stir and to redistribute the papers of our adversaries 100 times and to control how many times succeed surpass.

This however is laborious, but we can equally make with a program the computer the order to stir and to redistribute the cards of the defenders how many times we want. Then it does not remain other to make that to control, but ago the same computer, how many times the event that interests to us verifies.

One important warning: the frequency stretches to the probability, but for how much high it is the number of the tests, inasmuch as this number however is ended, we will not never concern the identical value. Experimentally verification that, however, beginning from a million tests probability and frequency I differ in order less of 0,1%; difference than more acceptable.

Here then the guarantee that I offer to you, in every occasion turns out to you theoretical has been winnowed with tests experiences them through a such program (and for recorded this me it has been useful more than once in order to correct an error). Of the program in issue, than ANALISILG (or "The MILL"), the Situated Download from this therefore that you can make same the verification of the described hands, and of in a generalized manner every one can be made liberations other situation will come to you in mind to control.

It is not the only program, you will find also:

"APERTURE" - with which estimating the frequency of employment of the openings of your Declaratory System

"CIB" [actually no English version] - with which calculating usual the a priori table and/or of acquired information, the probabilities of Fit, the distributions and the divisions of the rests, etc.

"MANICOND" - with which generating hands conditioned or not

In last a bet that I wanted to win with same me it was to write on the probabilities without to use formulas, or nearly. To the fine ones you will say if us to me until successful