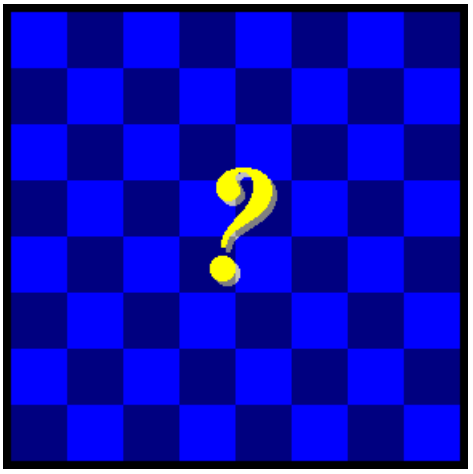
Chessboard Problems - The Problems

 Last update: 10/11/97

01.- J. Wallis, "The Strand Magazine", 1908



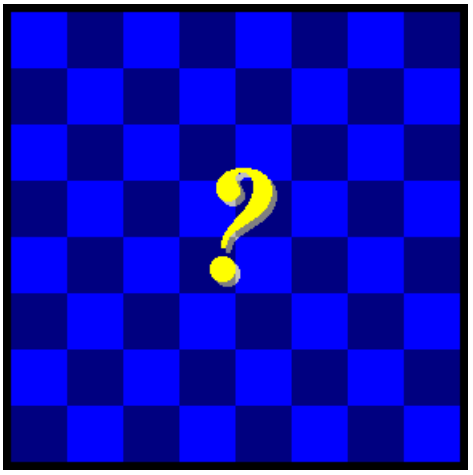
Everybody and their uncle knows about the old problem of placing 5 Queens on the board so that every square is either occupied or attacked. Too easy. There are 12 distinct basic solutions, 92 in all.

But how about doing the same with just 4 Queens *and* a Knight ?

Can you place **4 Queens and a Knight** so that **every** square on the board is either **occupied** or **attacked** ?

There is **only one** basic solution.

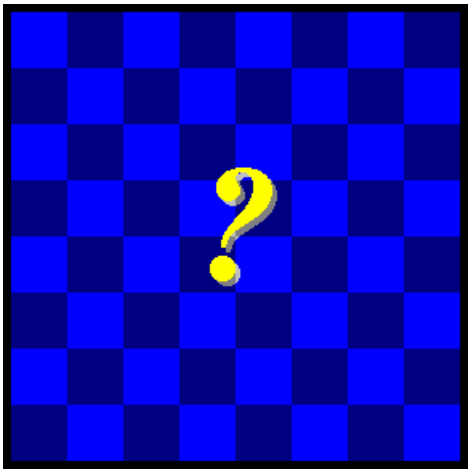
02.- Unknown author, 1983



Try and place **8 Queens** on the board so as to leave as many **unattacked** squares as possible.

There are at least **6 basic solutions**, just find one !

03.- Douglas G. Smith

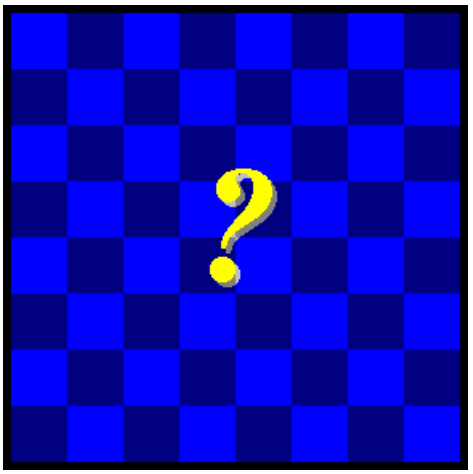


Place only **7 of the 8 major** White pieces (that is, no pawns) on the chessboard such that every square is either **occupied** or **attacked**.

Apart from trivial exchanges, there is **only one** basic solution.

You'll have to decide beforehand **which** of the major pieces (King, Queen, Rook, Bishop, or Knight) you can do **without**.

04.- Nenad Petrovic, 1942



Place **all 16** White pieces on the board so that the number of possible **moves** is a **maximum**.

To give you a hint, in the best solution known more than *120 moves* are possible !

(should you include promotions, each one counts as 4 different moves: to Q, R, B, N)