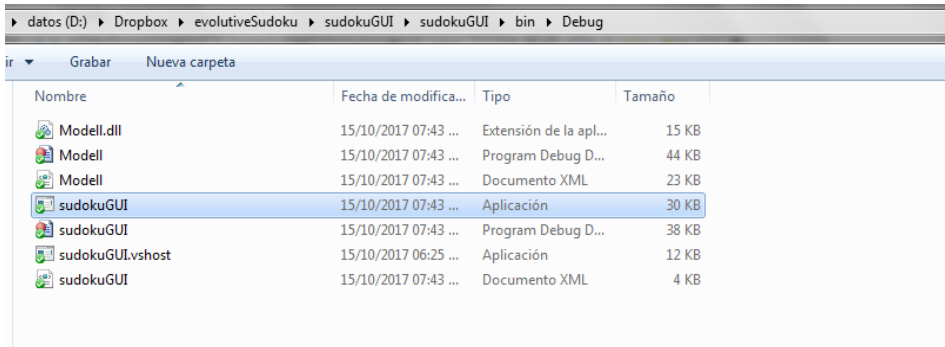


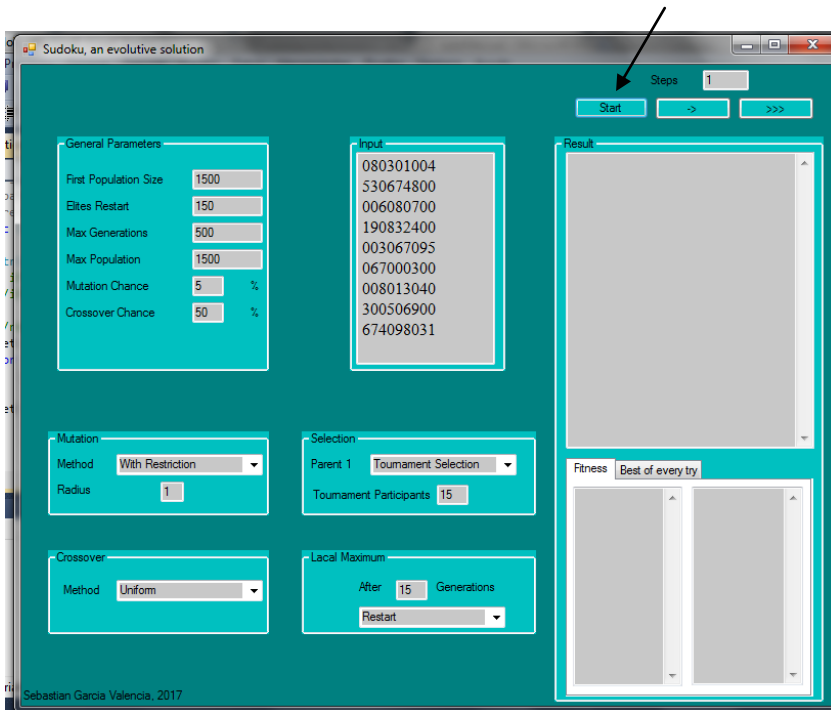
User Manual

One can use the program in visual studio or go to the .exe in:
sudoku\sudokuGUI\sudokuGUI\bin\Debug\sudokuGUI.

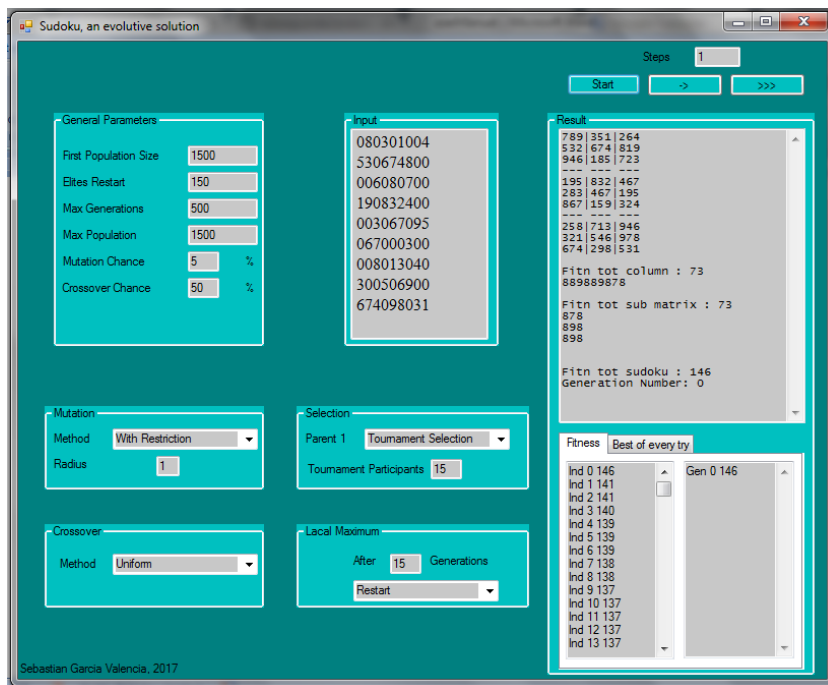


There already are some default inputs but one can use other sudokus, I have some options in the file sudoku/examples.txt

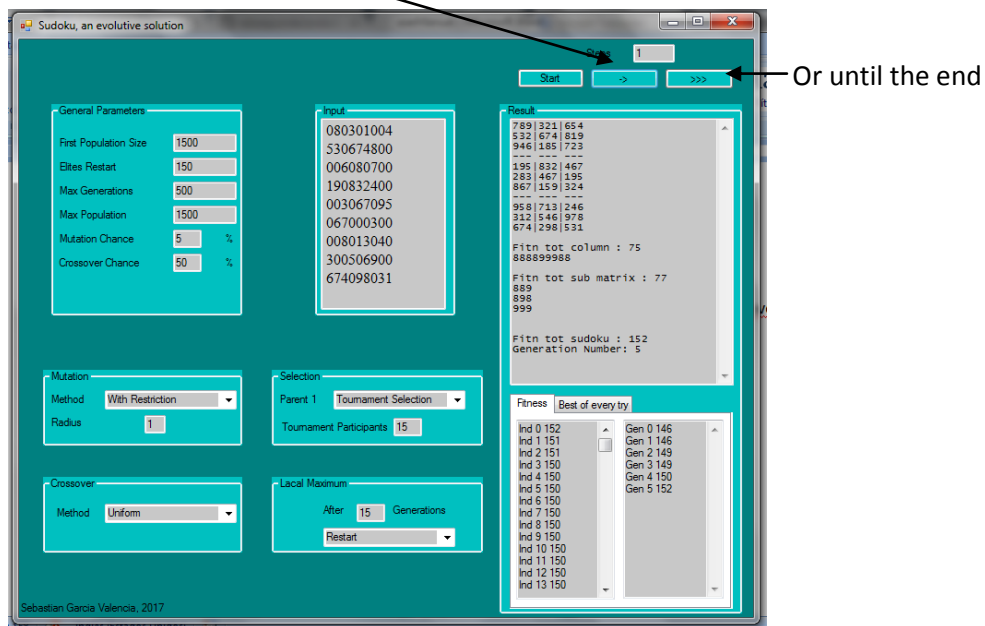
To create the first generation and start the execution click in "start"



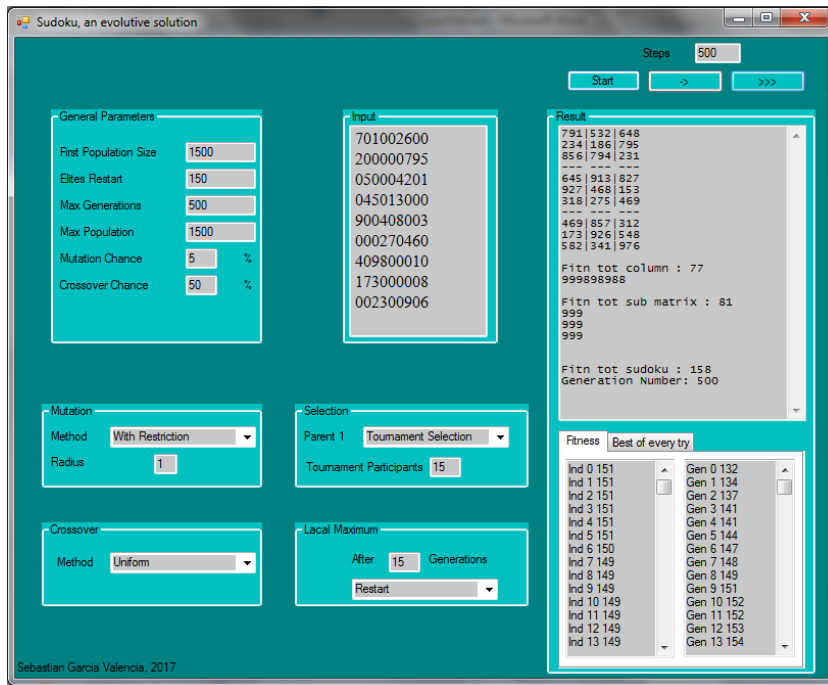
The parameters whose value gave the best results are the default, but one can always change them (even in the middle of a try, this means dynamic parameters, what is very good to find the solution of hard sudokus)



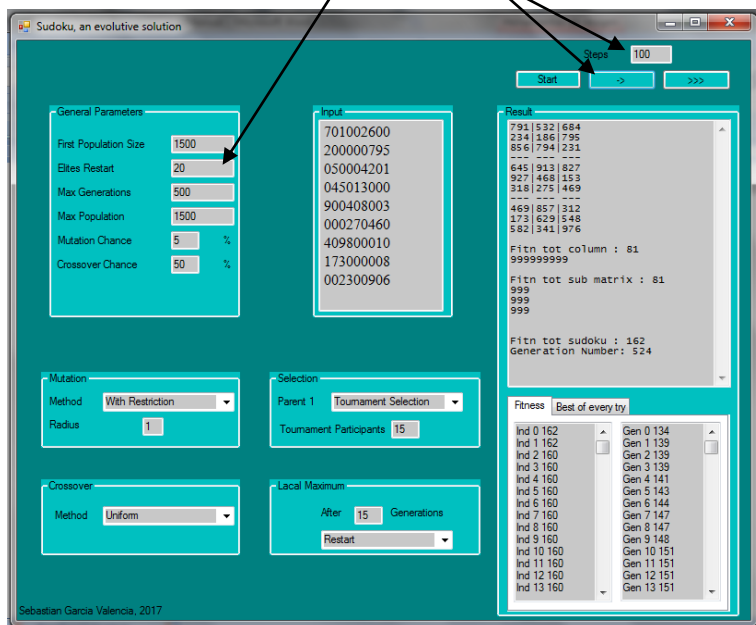
One can continue n steps



For hard sudokus one can use the local maximum strategy, for this, one starts and continue 500 generations



Then, one changes "Elites restart" to 20 (with this, we will use the 20 best individuals of all the tries as first generation for the new try) and then we continue 100 steps more



Note: this strategy helps, but doesn't work always (sometimes it could even find the solution in the first 500 generations)