Number of solutions (#) and failures when looking for all solutions to some instances of the n-queens problem, with three models, using default search.

n || # || row || alldiff
8	92	891	254
9	352	4262	849
10	724	23,291	3722
12	14200	773,550	75,823

n || # || alldiff-sym
8	12	78
9	46	296
10	92	965
12	1787	16,343

Number of failures when looking for one solution to some instances of the n-queens problem, with the alldiff model, using different search heuristics. A "–" means more than 100,000 failures. The best results are marked with a "*".

n || input-min || ff-min || domWdeg-min ||	input-rand || domWdeg-rand
10	20	5	5	4
15	156	3	2*	22
20	14,976	19	2	0*
25	1033	45	1*	16
30	–	15	9	1*
35	–	21	10	0*
40	–	9	2*	11
45	–	6	6	1*

Number of failures and the quality of the solution reported in 5 mins (300 secs) when looking for the optimal solution to the 50-queens problem, with the nqueens_alldiff model, using restarting. Note that the number of failures may vary from one experiment to the other, due to the interruption of the search by the time limit.

search	failures || objective
default search	|| 15,278,682	|| 810
domWdeg-rand	|| 16,674,348	|| 732
domWdeg-rand + restart(luby 250)	|| 13,426,404	|| 672