





DEPARTMENT OF COMPUTER SCIENCE

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Dr. Neil J. A. Sloane Rm 2C-363 Bell Laboratories Murray Hill, New Jersey 07974

Dear Dr. Sloane:

Shen Lin asked me to communicate to you the results of the 14×14 and 15×15 cases of the nonattacking Queens' problem. These solutions were obtained by a student of mine, Steve R. Bunch, as part of a project for a course on combinatorial computing. The 15 x 15 case took about 160 minutes on our 360/75. I have no idea where the student got the money. The numbers are as follows 170 = N775 N68 = 2562

365 596 14×14 45 752

15 × 15 2 279 184 285 053

The first number is the total number of ways of placing nonattacking Queens on a board, and the second, smaller number, is the number of inequivalent ways.

Your book sounds very interesting, and I am happy to communicate this result to you.

Sincerely,

Edward M. Reingold Assistant Professor

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