

Computer Project

(2017-2019)

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Class: XII B

Roll number: 34

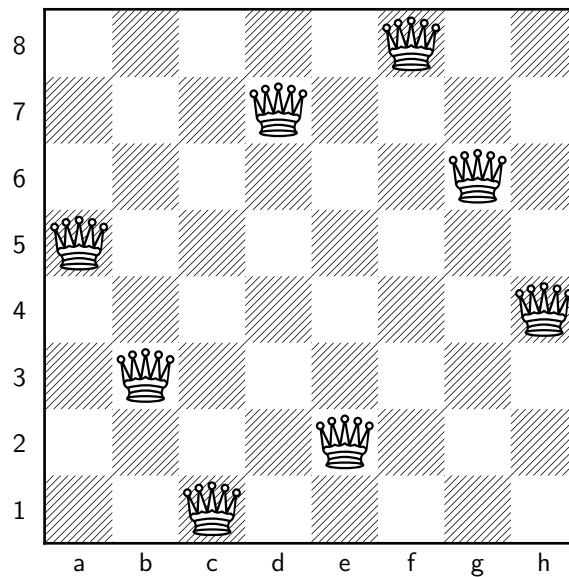
*“Writing code a computer can understand is science. Writing code
other programmers can understand is an art.”*

— **Jason Gorman**

“Chess is the gymnasium of the mind.”

— Blaise Pascal

Problem 17 The *8 queens puzzle* involves placing 8 queens on an 8×8 chessboard such that no two queens threaten each other, i.e. no two queens share the same rank, file or diagonal. It was first published by the chess composer *Max Bezzel* in 1848. This puzzle has 92 solutions, including reflections and rotations. Below is one of them.



The *n queens puzzle* is an extension of this puzzle, involving n queens on an $n \times n$ chessboard. Count the total number of solutions for the *n queens puzzle*, including reflections and rotations.

This project was compiled with Xe_{La}TeX.

All files involved in the making of this project can be found at
<https://github.com/sahasatvik/Computer-Project/tree/master/ISC>

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