Abstract

This paper explains a solution to find the 92 solutions of the n-Queen problem based on GA (Genetic Algorithm). The n-Queen problem has become a widespread platform for AI researchers to implement their intelligence algorithms and test them. The Genetic algorithm used to solve the problem and each chromosome is a solution for the problem and depends on the steps of the GA. The 92 solutions, all possible solutions for 8 Queen problem, are founded. The representation of each chromosome has been by using one-dimensional arrays with size equal 8 containing only the queens which represent a one solution and the empty location are aborted to reduce the searching time.

References

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**Index Terms**

Computer Science

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**Keywords**

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