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algorithm uses payoff information, not derivatives. (4)

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In computer science and operations research, a genetic algorithm (GA) is a metaheuristic inspired by the

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process of natural selection that belongs to the larger class of evolutionary algorithms (EA).

Genetic algorithms are commonly used to generate high-quality solutions to optimization and search problems by relying on biologically inspired operators such

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used to find optimal or near-optimal solutions to difficult problems which otherwise would take a lifetime to solve. It is frequently used to solve optimization problems, in research, and in machine learning.

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situations that would otherwise take a lifetime to solve. It is also used to solve problems of optimization, in science, and in machine learning.

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forms as they adapt to their local environments over many generations.

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