GENETIC ALGORITHM
VERSUS
TRADITIONAL ALGORITHM

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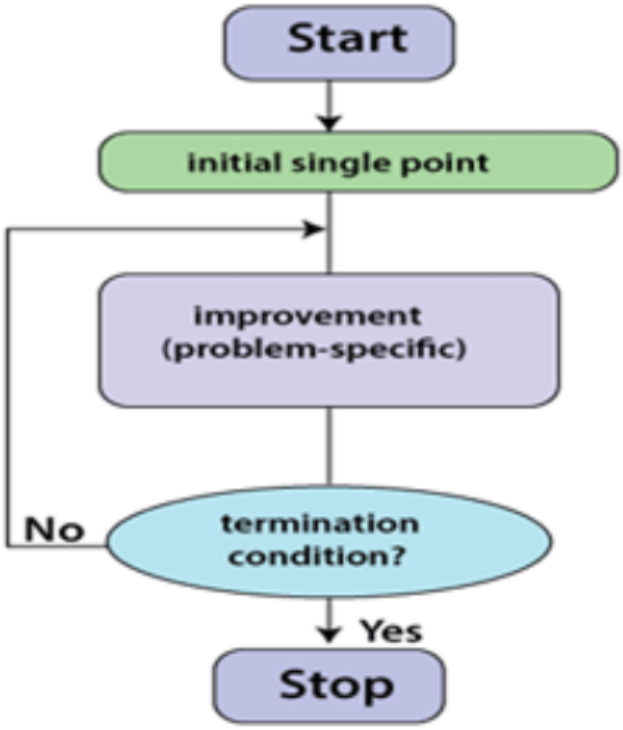
An algorithm for solving both constrained and unconstrained optimization problems that are based on Genetics and Natural Selection	An unambiguous specification that defines how to solve a problem
Helps to find the optimal solutions for difficult problems	Provides a step by step methodical procedure to solve a problem
More advanced	Not as advanced
Used in fields such as research, Machine Learning and Artificial Intelligence	Used in fields such as Programming, Mathematics, etc.

Following are some common traditional algorithms.

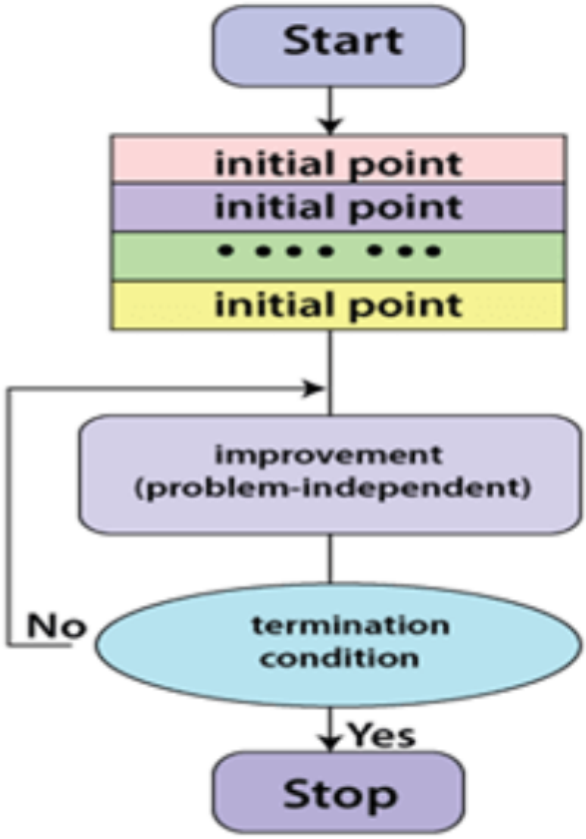
Search – These algorithms help to search a particular item in a data structure. (Linear search, Binary search)

Sort – These algorithms help to sort a set of elements in a specific order. (Bubble sort, Selection sort, Insertion sort)

Divide and Conquer – It refers to dividing a large problem into small subproblems and solving the subproblems in order to find the solution to the original problem.



Traditional



Genetic