

Create pseudo-code for the 4 algorithms:

- DFS
- Hill Climbing
- Simulated Annealing
- Genetic Algorithm



Programming the core logic without the use of AI for values up until $n = 12$.

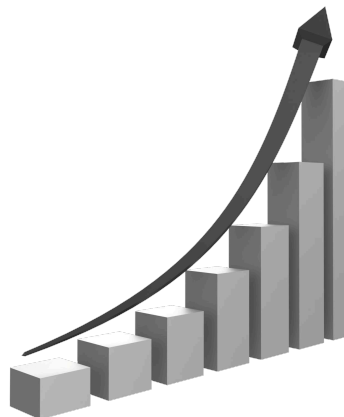


1

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Scale the algorithms with the help of generative AI



4

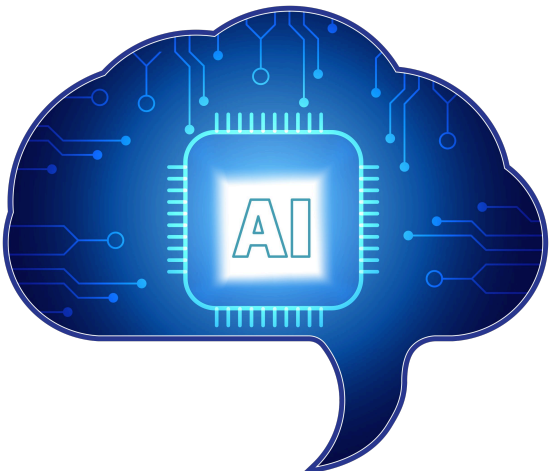
Hyper-parameter tuning for the GA

6

Compare the time, memory and accuracy of the different algorithms



5



Refine the algorithms more to reduce time complexity (with AI)