

Agents

Results

agent
mixtral-8x7b-32768

Study the input parameters to understand their significance and how they relate to the Ramsey problem and DIMACS format.

Groq

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DONE



Web Agent

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Investigate the DIMACS format, which is a standard for representing graphs in computational systems. Understand the synt...

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DONE



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Research the Ramsey problem, focusing on its mathematical formulation, its applications in graph theory, and its significance in...

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Develop an algorithm to generate an encoding in conjunctive normal form for the Ramsey problem based on the input parameters and t...

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Write the code to implement the algorithm designed in task 4, ensuring that it correctly translates the input parameters into a DIMAC...

Groq

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DONE



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Test the algorithm by running it with various input parameters to ensure its correctness and efficiency.

Groq

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DONE



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Analyze the performance of the algorithm and identify potential areas for optimization, such as reducing computational complexity or...

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DONE



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Finalize the output by generating the DIMACS-formatted graph based on the input parameters and the algorithm's results, ensuring it is...

Groq

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DONE