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In conclusion, our analysis of the combined algorithms for matrix multiplication demonstrates a steady decrease in the execution time as the cutoff value approaches 5. At this specific point, we observe the greatest time-saving performance. However, as the cutoff value increases beyond 5, there is a noticeable increase in execution time for values 6 through 8, indicating a diminishing return on efficiency. This trend highlights the point where the computational time required for the brute force algorithm begins to outweigh the benefits of Strassen's algorithm. Therefore, the optimal cutoff value of 5 is crucial for maximizing the efficiency and minimizing the execution time of the combined algorithm.