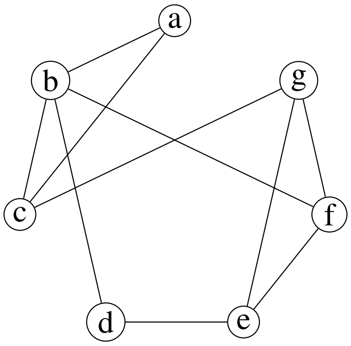
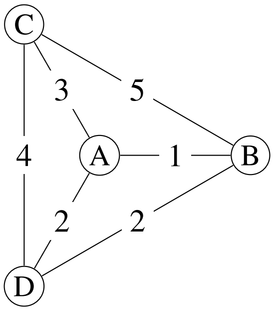
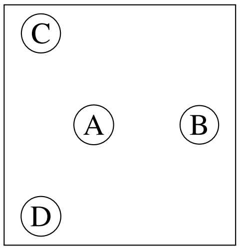
MATH F113X: Three Hamiltonian Circuit Algorithms

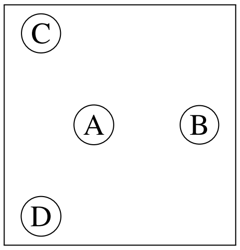
Two Distinct Questions

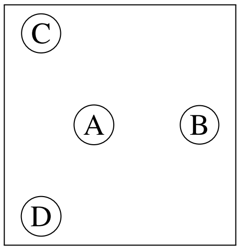


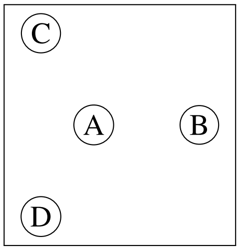


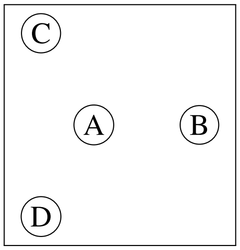
Brute Force Algorithm

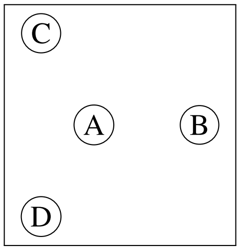












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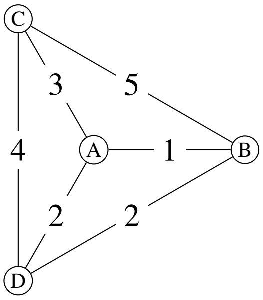
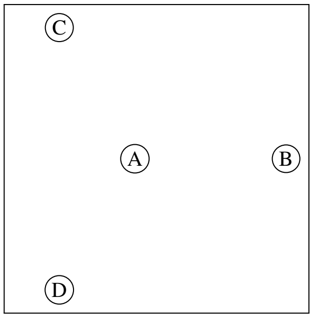
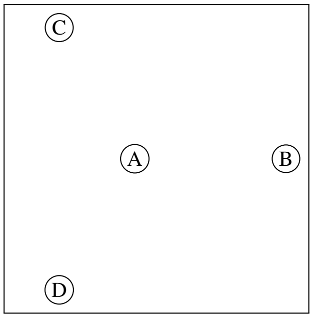
Nearest Neighbor Algorithm (NNA)

On the graph below, complete nearest neighbor starting with starting vertex A. What happens if you start at B?

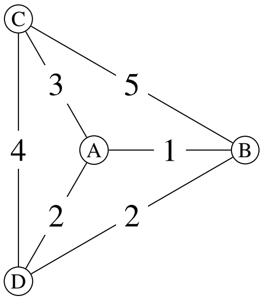


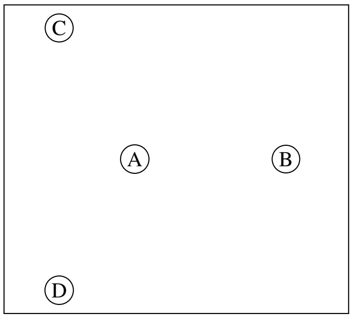


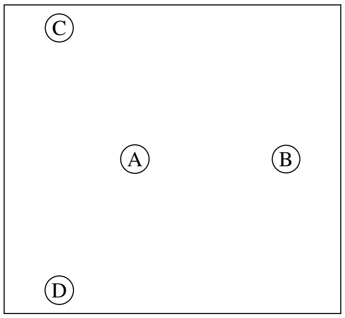


Repeated Nearest Neighbor Algorithm (RNNA)

On the graph below, complete the Repeated Nearest Neighbor.







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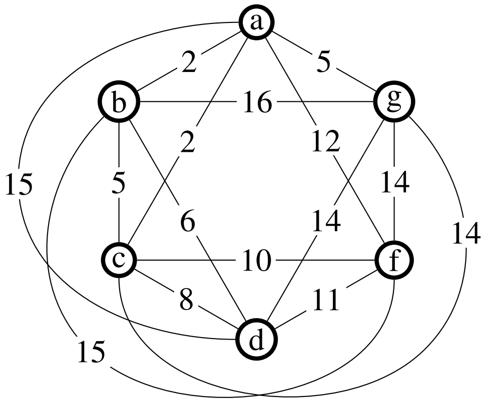
Complete Repeated Nearest Neighbor on the graph below. (Suggestion: Use parallel processing)



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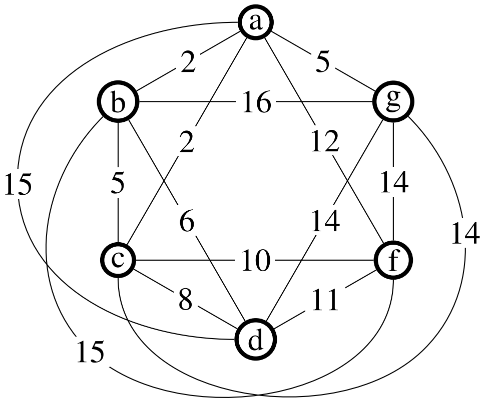

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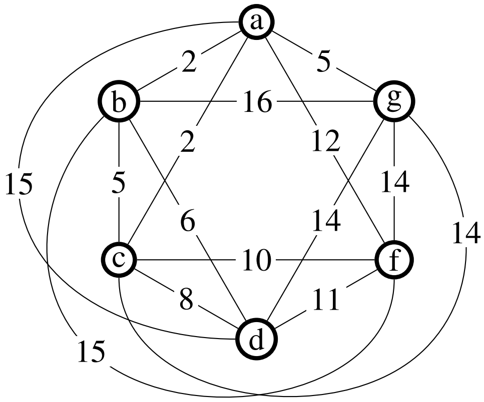

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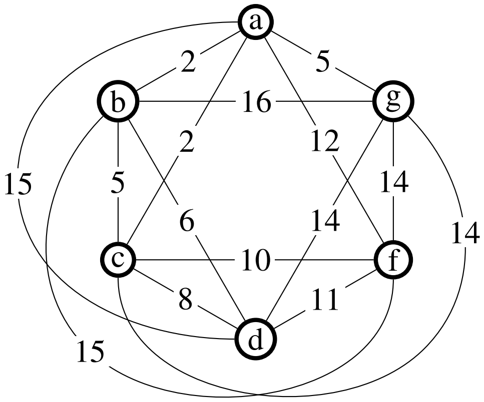

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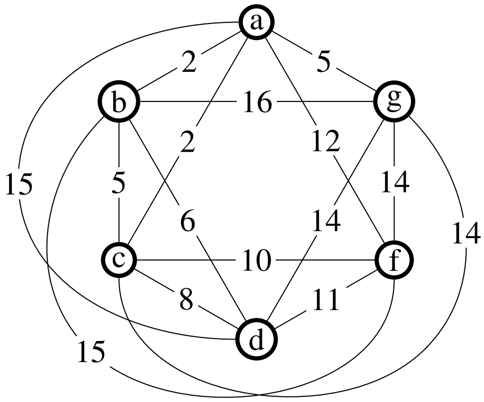

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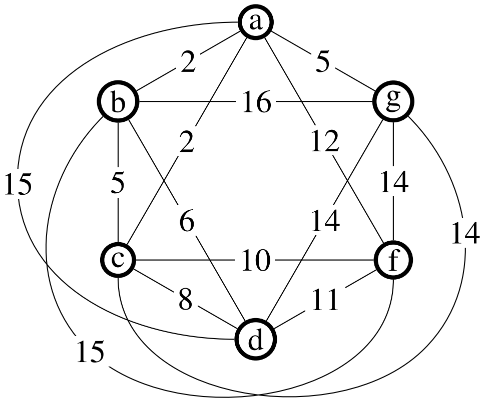

weight = ______

Conclusion: