

Feb 7, 2018 Summary

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1 Negative Cycles

1. Why negative edges are natural
2. Why negative edges aren't bad but negative cycles are
3. Why Dijkstra's algorithm fails to catch negative cycles

2 Bellman-Ford Algorithm

1. Description of Bellman-Ford Algorithm
2. Proof of Correctness for graphs without negative cycles
3. Proof of Negative Cycle Detection

3 Problems from general TA Section Notes

Good luck on your midterm!