

Homework 3

Due 11:59pm PT Thursday November 11 2021

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Question 1: GraphRNN (20 points)

Q1.1 (12 points)

★ **Solution** ★ ...

Q1.2 (8 points)

Question 2: Subgraphs and Order Embeddings (35 points)

Q2.1 Transitivity (8 points)

Q2.2 Anti-symmetry (8 points)

Q2.3 Common subgraph (4 points)

Q2.4 Order embeddings for graphs that are not subgraphs of each other (5 points)

Q2.5 Limitation of 2-dimensional order embedding space (10 points)

Honor Code (0 points)

(X) I have read and understood Stanford Honor Code before I submitted my work.

Collaboration: Write down the names & SUNetIDs of students you collaborated with on Homework 3 (None if you didn't).

Note: Read our website on our policy about collaboration!