Quiz 9
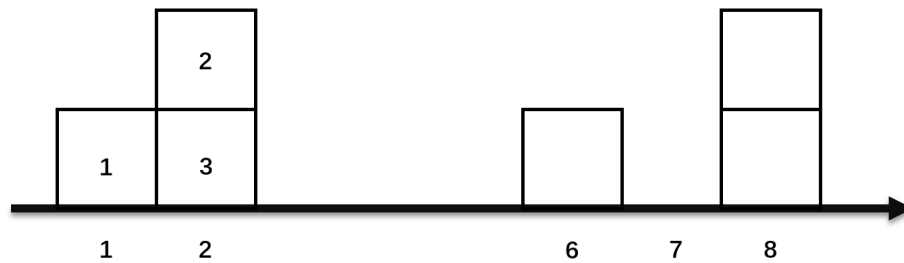**Week 14, Dec/12/2022**
CS 280: Fall 2022
Instructor: Lan Xu

Name: _____
Student ID: _____
On your left: _____
On your right: _____

Problem 1. (10 points) **EM distance and WGAN**. According to the given figure, plot all possible earth transportation plan and compute the Earth-mover distance for each plan. What are the problems of Vanilla GAN and how could Wasserstein GAN solve them, please give detailed explanation.

Problem 2. (10 points) **StyleGAN**. Please describe the difference and connection between StyleGAN and the vanilla GAN from the aspect of architecture, and provide your insights about why it improves.