This project asks you to create two examples of weighted graphs with certain properties.

- (a) Create a weighted graph such that
  - there are two shortest paths (that is, two distinct paths which have the same total length) between vertex a and vertex b,
  - every edge has a different weight,
  - and the two paths pass through a different number of vertices.
- (b) Create a weighted graph such that
  - there are two shortest paths,
  - every edge has a different weight,
  - and the two paths pass through the same number of vertices.