Exercise for clustering

1. Write a function that implements QT clustering of n objects provided a distance matrix and a diameter D as inputs. Use the provided table of Euclidian distances between normalized log-transformed transcript data.
   Hint: Test only with a subset of the total transcripts.

2. Write a function that implements one cluster quality index, of choice, for clustering of data profiles.

Homework

1. Write a function that implements the same idea of QT clustering but with a network and diameter D as input. What distance measure is used in this case? Use either the provided gene regulatory network of the genes in task 1 or the Zachary graph provided in the igraph package.