

Exercises for Chapter 9, Part 2

9.2 Consider the relational data set

$$D = \begin{pmatrix} 0 & 1 & 4 \\ 1 & 0 & 2 \\ 4 & 2 & 0 \end{pmatrix}.$$

- a) Give the results of the c-medoids algorithm, $c = 2$, for all possible initializations of V .
- b) Why is relational c-means not suitable for this data set?
- c) How could the data be transformed to be used by relational c-means?
- d) Compute the transformed data set.
- e) Find a feature data set that corresponds to this transformed relational data set.