Decision Tree

Problem: Implement a **fixed-depth decision tree algorithm**, that is, the input to the ID3 algorithm will include the training data and **maximum depth** of the tree to be learned.

Data Sets: The MONK's Problems were the basis of a first international comparison of learning algorithms [1]. The training and test files for the three problems are named `monks-X.train` and `monks-X.test`. There are six attributes/features (columns 2–7), and binary class labels (column 1). See `monks.names` for more details.