**BLG 435E – Artificial Intelligence**

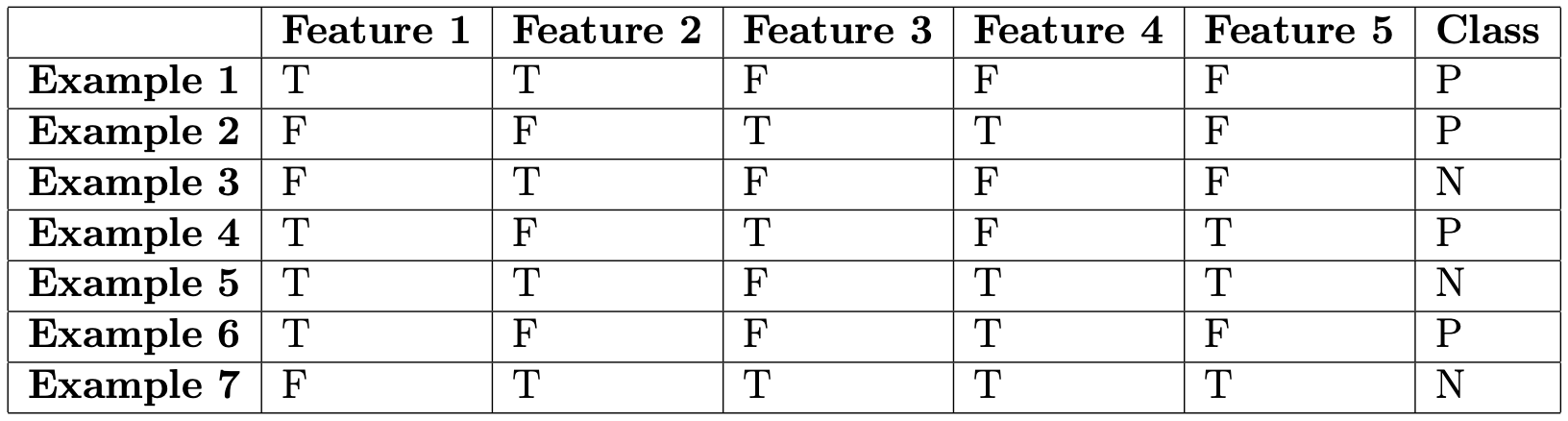
**2019-2020 Fall, Assignment 2 Report**

**Submission Deadline: 03.12.19, 23:59**

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**Problem 1 – Planning**

**Problem 2 – Decision Tree**

You are given the following training set:

1. Construct the decision tree for the given training set, indicating the steps clearly:

For the training set,

Considering the attributes:

Feature 1 has the highest IG, so it is chosen as the root of tree.

1. Using the decision tree you have constructed, classify the following example:

**Problem 3 – Learning Agents**

Answer the following questions:

1. Explain meaning of the terms overfit and underfit.
2. Give one