

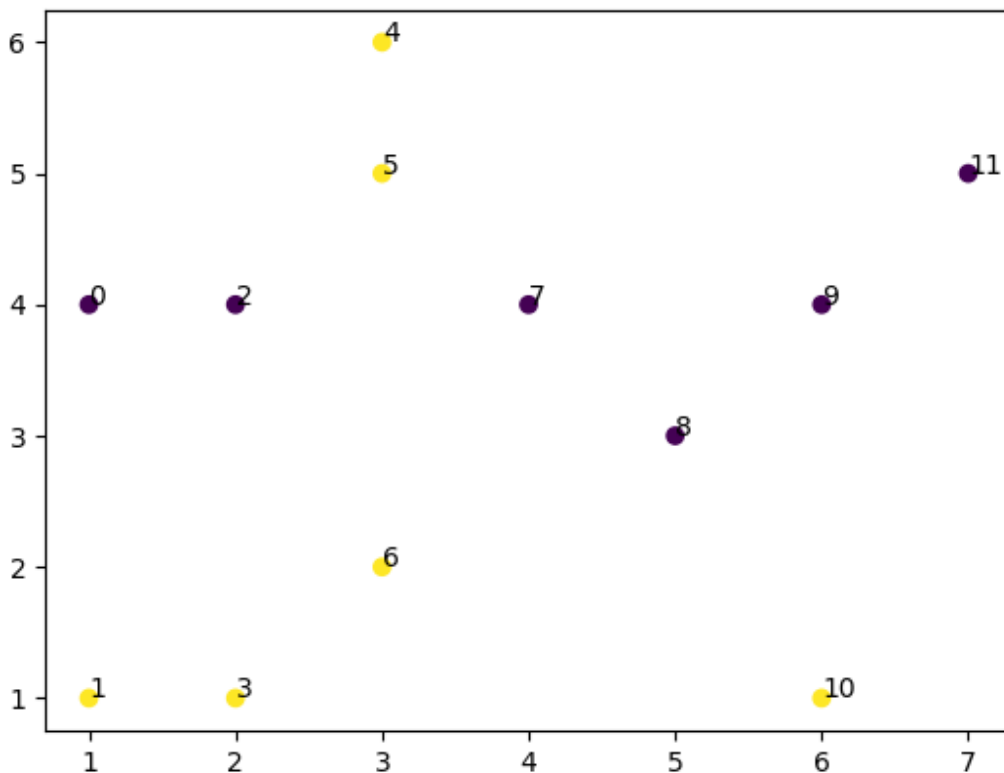
Optimal decision tree pipeline: proof of concept.

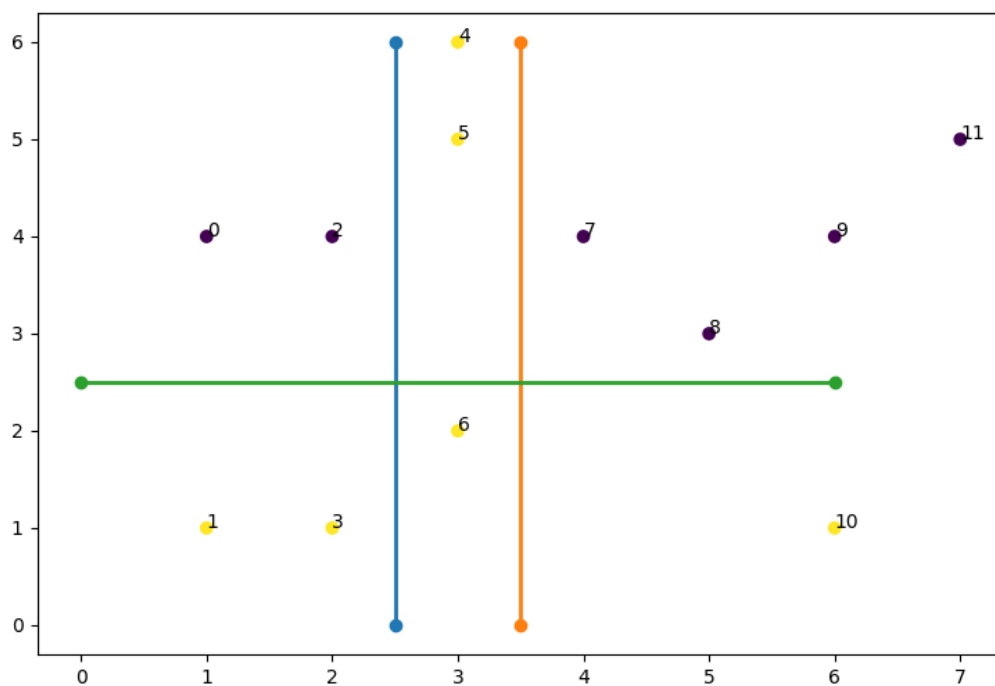
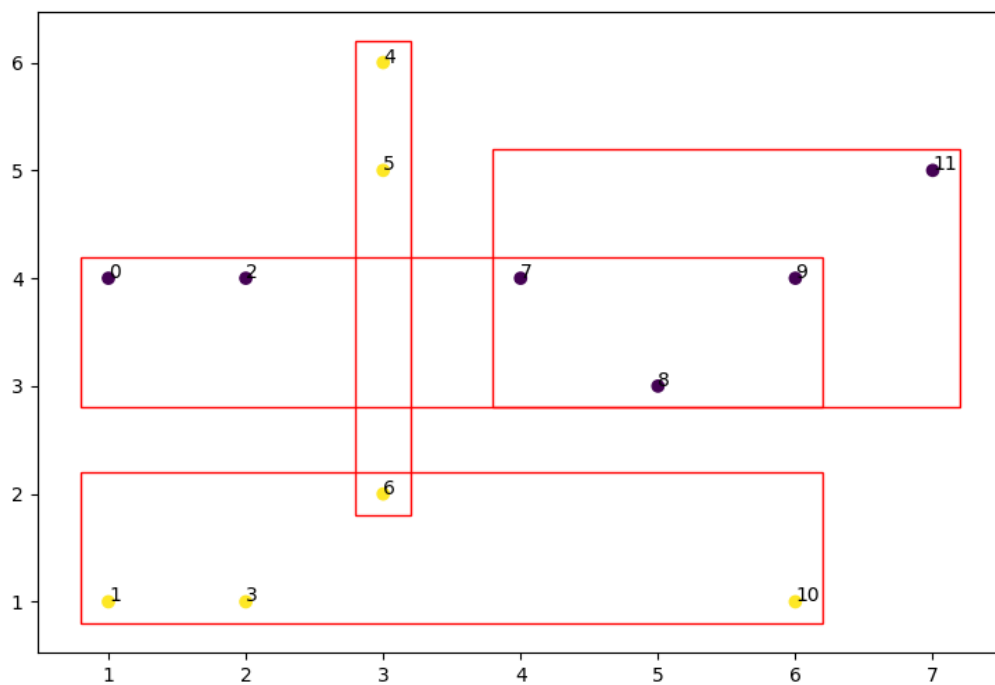
Phases:

- 1) Maximal hyperbox clustering
- 2) Minimal cutset
- 3) Minimal decision tree

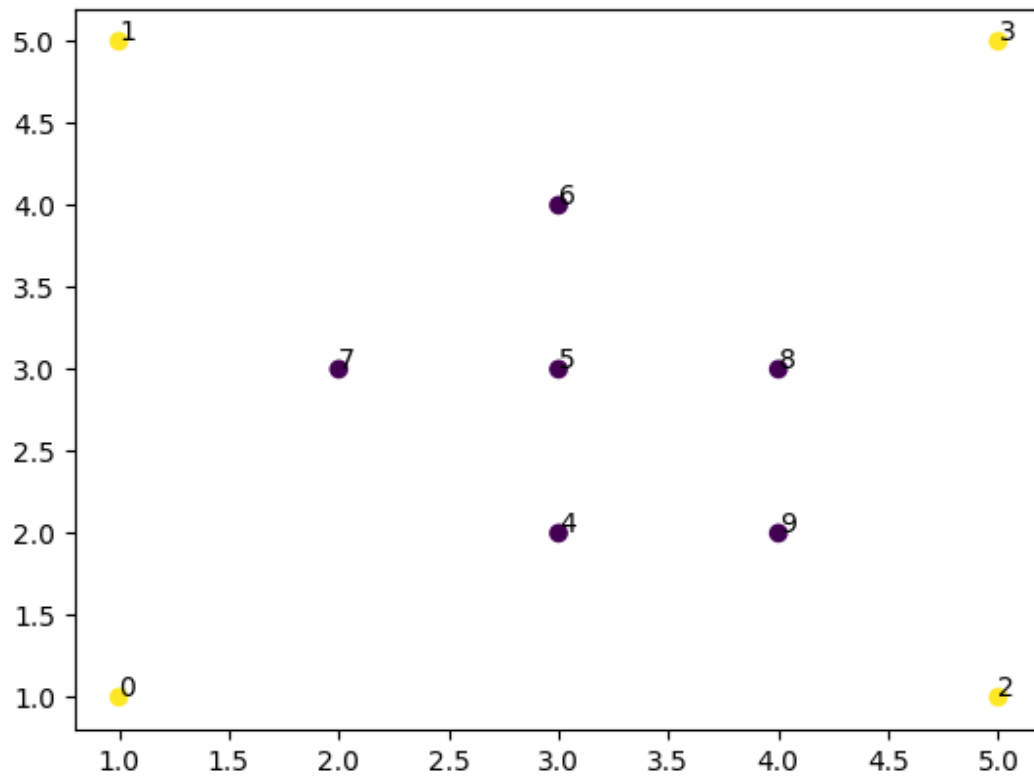
Here phases 1 and 2. Five testsets: four tiny artificial (few points, 2 dimensions), fifth is iris dataset (<https://archive.ics.uci.edu/dataset/53/iris>), attributes only Sepal Width and Petal Length, well known to separate iris setosa from the other two species (trivial).

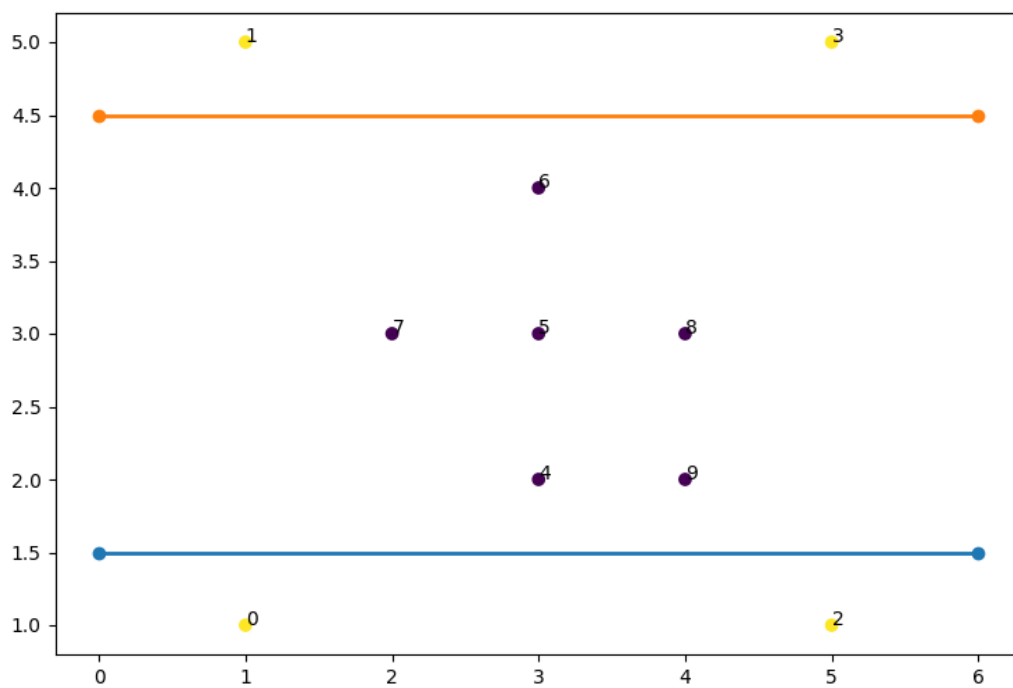
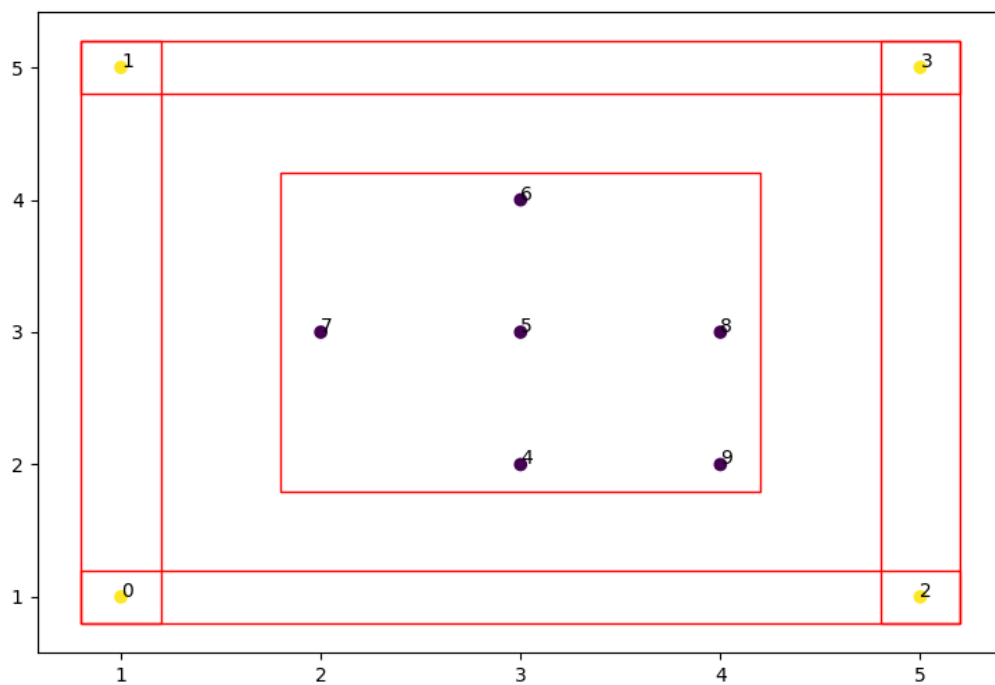
Test1



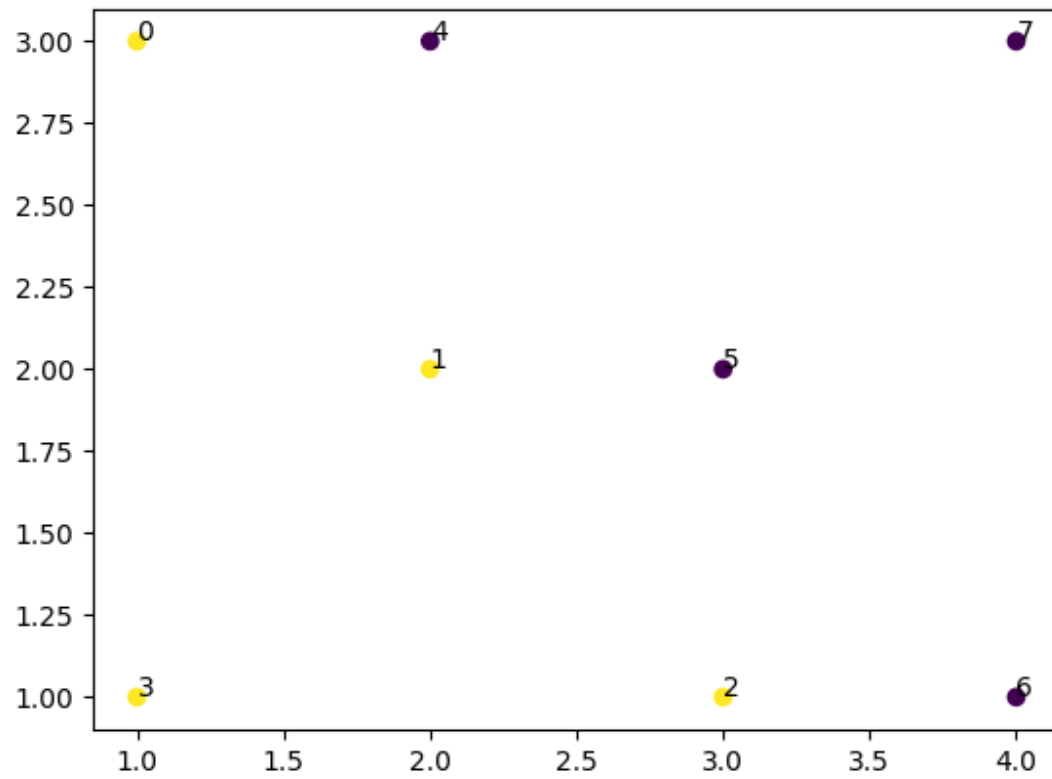


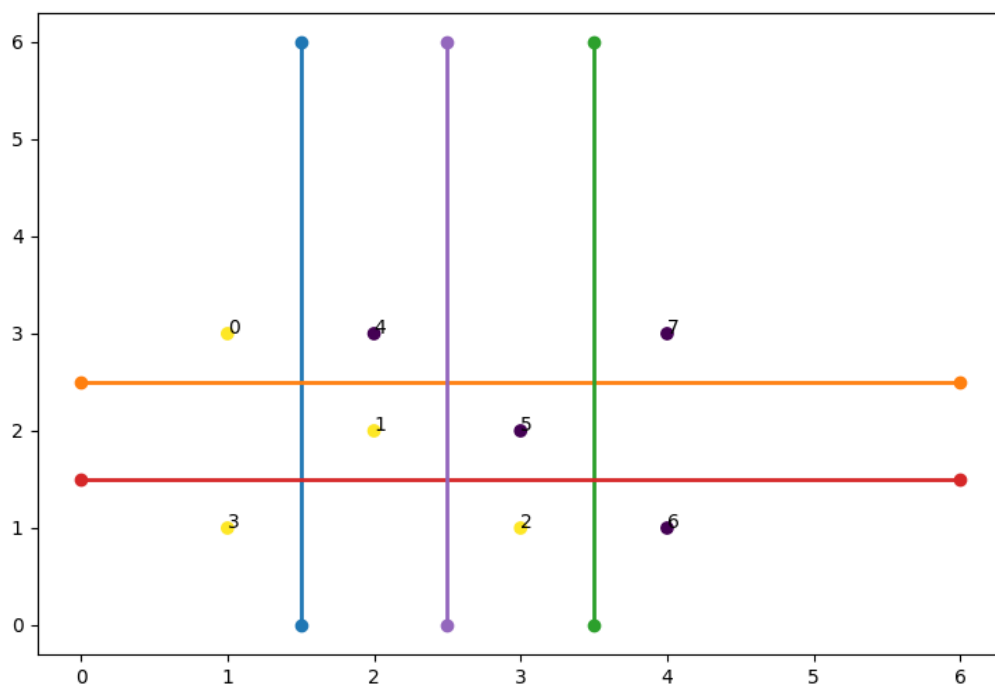
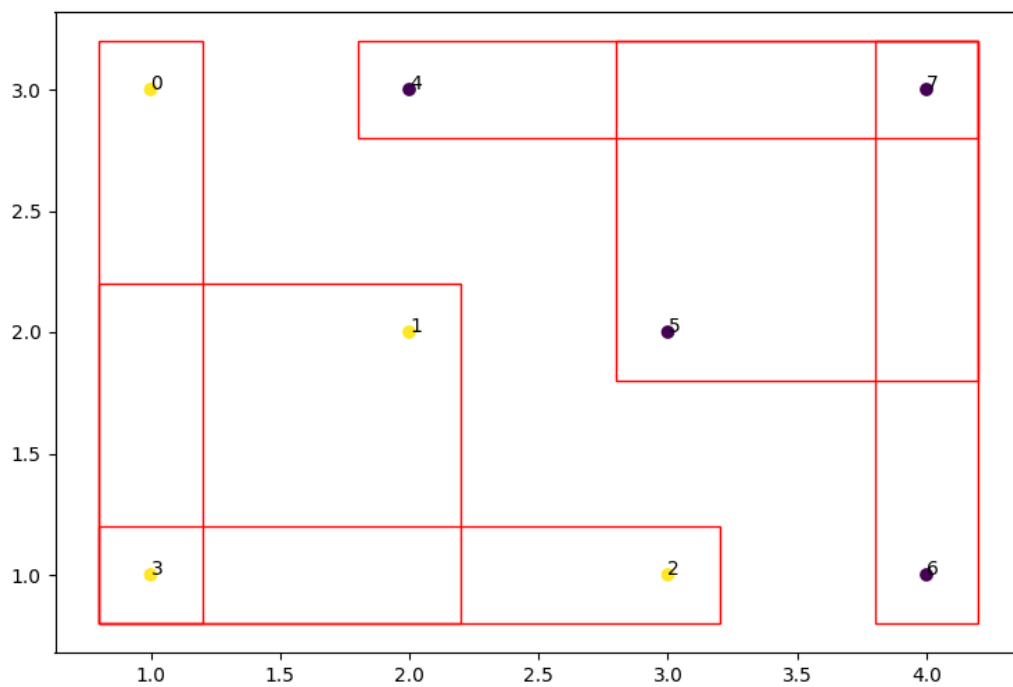
Test2



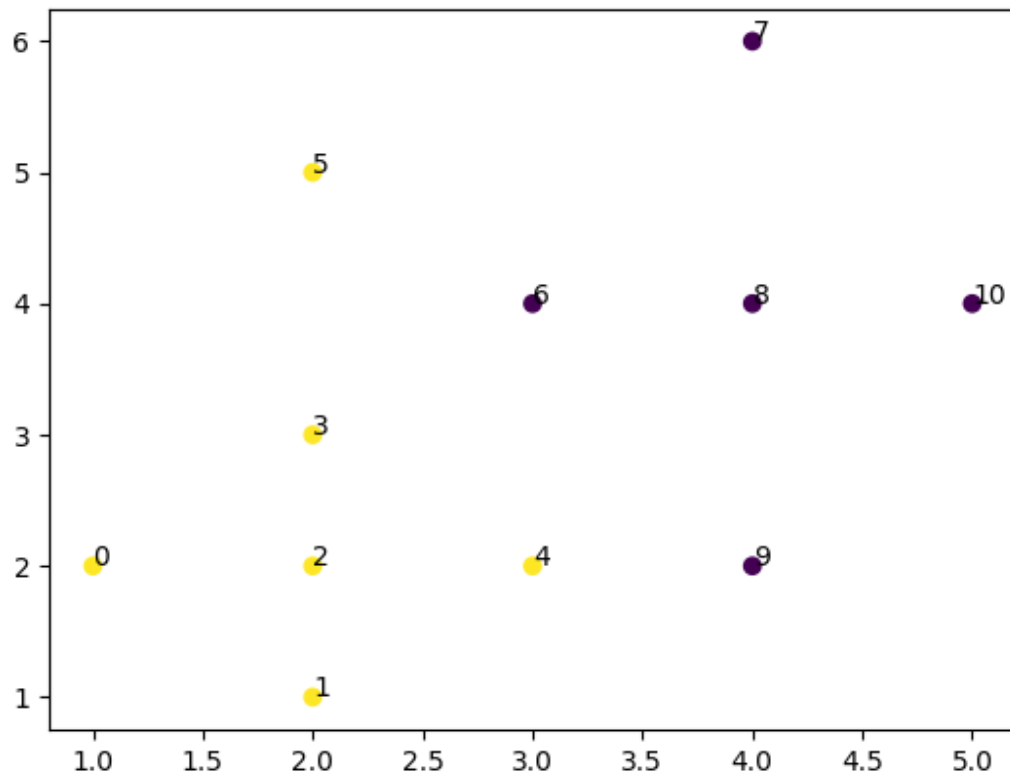


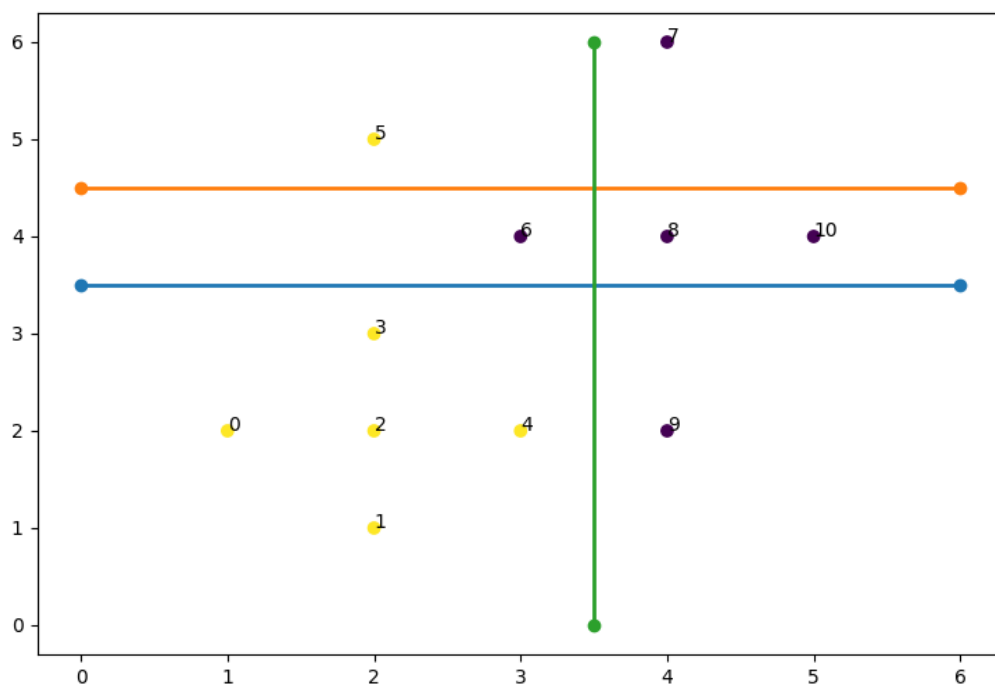
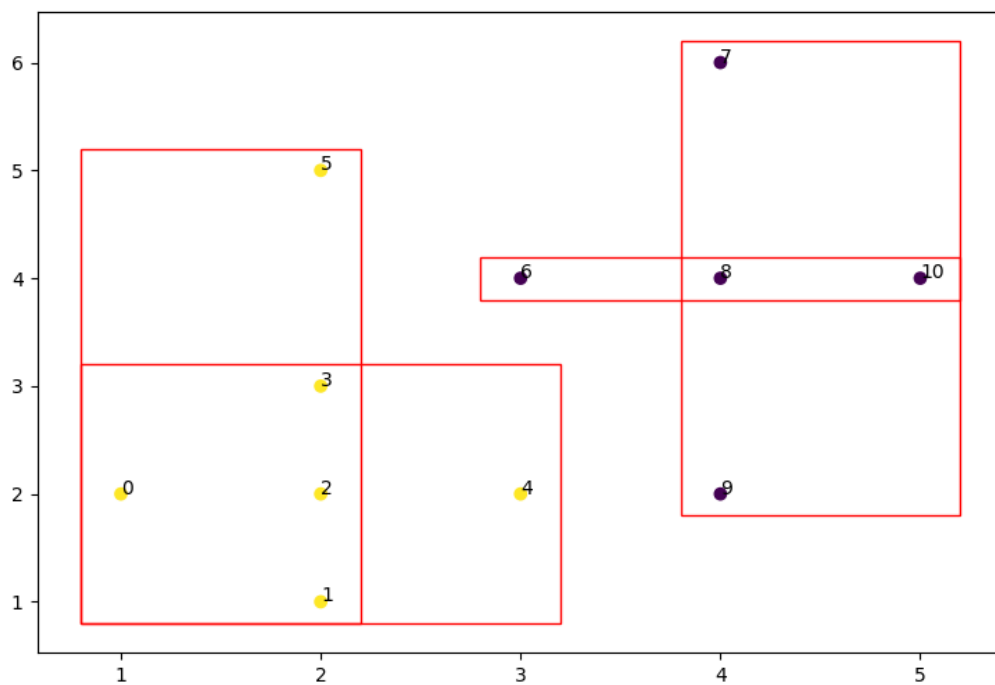
Test 3





Test 4





Iris, dimensions: SepalWidthCm, PetalLengthCm

