```
1: trainAccs = \emptyset:
2: for i \leftarrow 1 to |classifiers| do
      trainAccs_i = loocv(train, classifiers[i])
      classifiers_i.buildClassifier(train)
5: testPreds = \emptyset
  for i \leftarrow 1 to |test| do
```

Algorithm 1 Proportional Ensemble (classifiers, train, test)

 $votes = \emptyset$ bsfWeight = -1: bsfClass = -1;for $c \leftarrow 1$ to |classifiers| do 10: 11: $p = classifiers_c.classify(test_i)$

12: $votes_n = votes_n + trainAccs_c$; if $votes_n > bsfWeight$ then 13: $bsfWeight = votes_n$ 14: 15:

bsfClass = p

17: return testPreds

16.

 $testPreds_i = bsfClass$