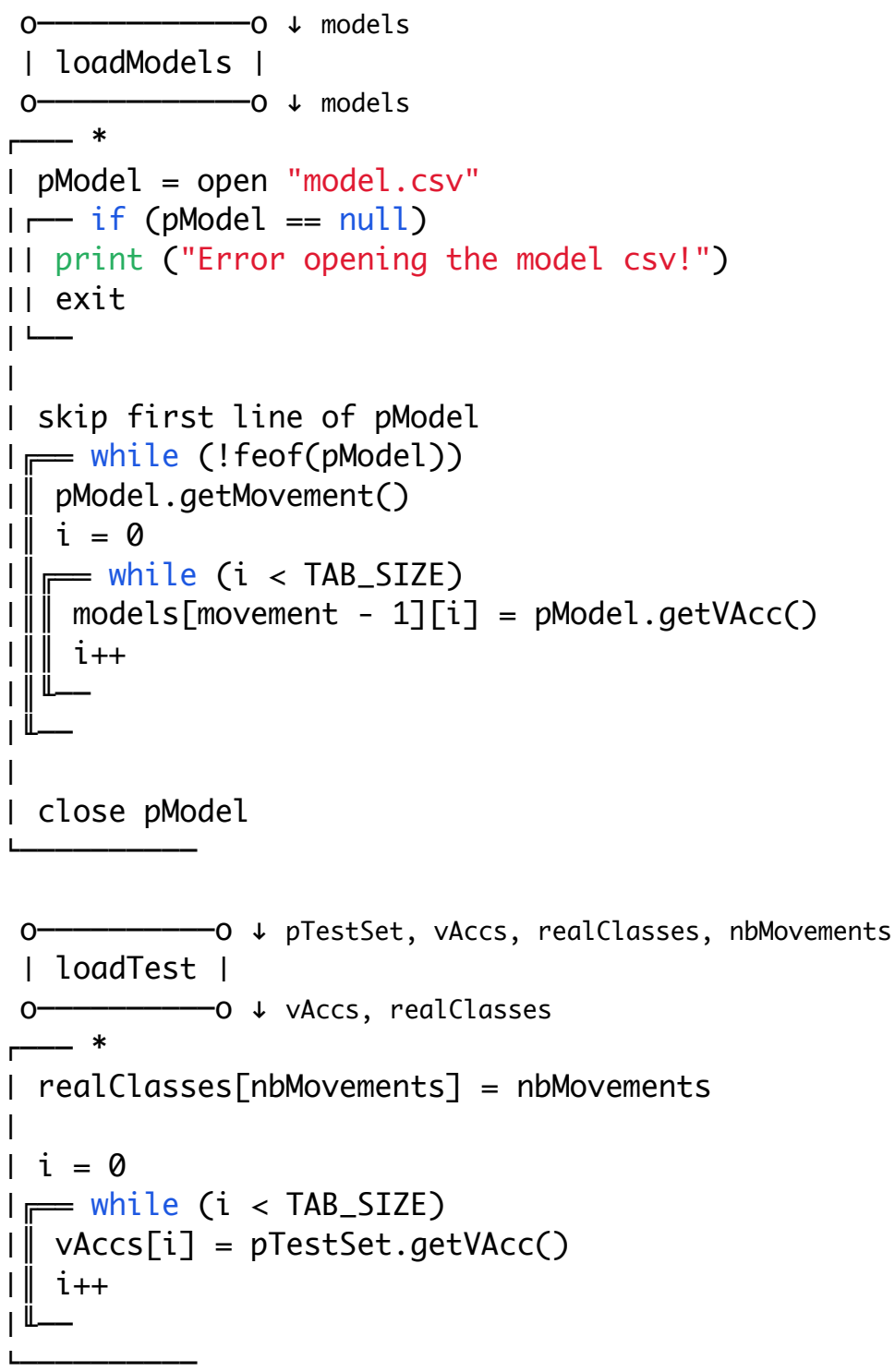
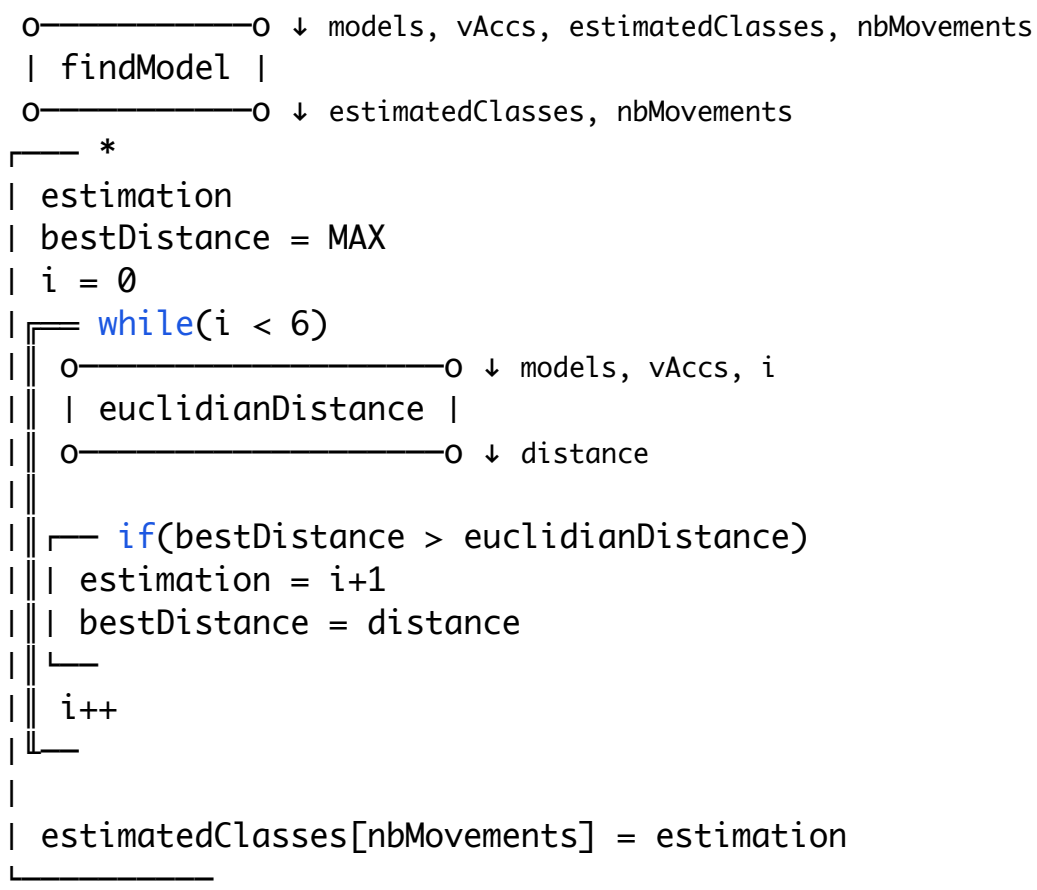
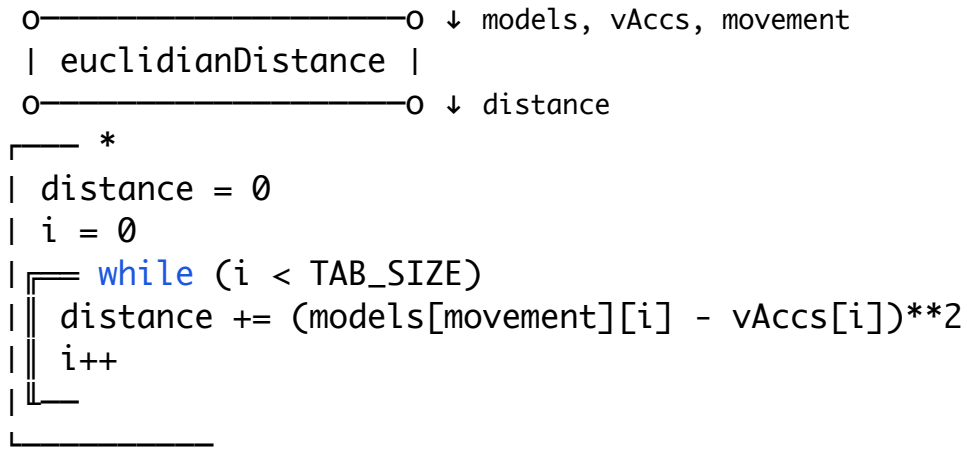
```
define TAB_SIZE 1000
define NB_MOVEMENTS 32

o———————o
| main |
o———————o
┌——— *
| pTestSet = open "testSet.csv"
|┌—— if (pTestSet == null)
|| print ("Error opening the test set csv!")
|| exit
|└——
|
| models[6][TAB_SIZE] = {}
| vAccs[TAB_SIZE] = {}
| realClasses[NB_MOVEMENTS] = {}
| estimatedClasses[NB_MOVEMENTS] = {}
| nbMovements = 0
|
| o———————————o ↓ models
| | loadModels |
| o———————————o ↓ models
|
|╔══ while(nbMovements < NB_MOVEMENTS)
|╠ o———————————o ↓ pTestSet, vAccs, realClasses, nbMovements
|╠ | loadTest |
|╠ o———————————o ↓ vAccs, realClasses
|╠ o———————————o ↓ models, vAccs, estimatedClasses, nbMovements
|╠ | findModel |
|╠ o———————————o ↓ estimatedClasses, nbMovements
|╠
|╠ nbMovements++
|╚——
|
| o———————————————————————————o ↓ realClasses, estimatedClasses, nbTests
| | displayResultsForEachClass |
| o———————————————————————————o
| o———————————————————o ↓ realClasses, estimatedClasses, nbTests
| | displayAccuracy |
| o———————————————————o
| o———————————————o ↓ realClasses, estimatedClasses, nbTests
| | displayClass |
| o———————————————o
└————————————
```


loadModels
models
models
pModel = open "model.csv"
if (pModel == null)
print ("Error opening the model csv!")
exit
skip first line of pModel
while (!feof(pModel))
pModel.getMovement()
i = 0
while (i < TAB_SIZE)
models[movement - 1][i] = pModel.getVAcc()
i++
close pModel
loadTest
pTestSet, vAccs, realClasses, nbMovements
vAccs, realClasses
realClasses[nbMovements] = nbMovements
i = 0
while (i < TAB_SIZE)
vAccs[i] = pTestSet.getVAcc()
i++


o————————o ↓ models, vAccs, estimatedClasses, nbMovements
| findModel |
o————————o ↓ estimatedClasses, nbMovements
*
estimation
bestDistance = MAX
i = 0
while(i < 6)
o————————————————o ↓ models, vAccs, i
| euclidianDistance |
o————————————————o ↓ distance
if(bestDistance > euclidianDistance)
estimation = i+1
bestDistance = distance
i++
estimatedClasses[nbMovements] = estimation


o————————————————o ↓ models, vAccs, movement
| euclidianDistance |
o————————————————o ↓ distance
*
distance = 0
i = 0
while (i < TAB_SIZE)
distance += (models[movement][i] - vAccs[i])**2
i++