```
Markov::Model < NodeStorage
            Type >

    nodes

    starterNode

- edges
+ Model()
+ RandomWalk()
+ AdjustEdge()
+ Import()
+ Import()
+ Export()
+ Export()
+ StarterNode()
+ Edges()
+ Nodes()
                < char >
   Markov::Model < char >

    nodes

    - starterNode

    edges

   + Model()
   + RandomWalk()
   + AdjustEdge()
   + Import()
   + Import()
   + Export()
   + Export()
   + StarterNode()
   + Edges()
   + Nodes()
Markov::API::MarkovPasswords

    datasetFile

    modelSavefile

    outputFile

+ MarkovPasswords()
+ MarkovPasswords()
+ OpenDatasetFile()
+ Train()
+ Save()
+ Generate()
- TrainThread()
GenerateThread()
               Д
  Markov::API::ModelMatrix
 # edgeMatrix
 # valueMatrix
 # matrixSize
 # matrixIndex
 # totalEdgeWeights
 + ModelMatrix()
 + ConstructMatrix()
 + Dumpj5ON()
 + FastRandomWalk()
 # FastRandomWalkPartition()
 # FastRandomWalkThread()
 Markov::API::CUDA::
      CUDAModelMatrix
 - device edgeMatrix
 - device valueMatrix

    device matrixIndex

 device_totalEdgeWeightsdevice_outputBuffer

    outputBuffer

    flatEdgeMatrix

    flatValueMatrix

 + MigrateMatrix()
 + FlattenMatrix()
 + FastRandomWalk()
```

# AllocVRAMOutputBuffer()