Pseudocode Algorithm - Adaptive Model

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Neuron n = null
Subclass\ ScHighError = 0; //subclass with the highest error
Subclass\ actualSc=0\ //\ actual\ subclass\ specified\ by\ the\ pattern
Initialize input & target values
Create Subclasses (-objects) with one neuron per subclass with the given target values
and map it with the neurons
while NET_ACCURACY() better than before (2 loops before first check)
  CREATE NET()
  Initialize PatternSet
  TRAINER. train()
  for each pattern
      n = getWinningNeuron()
      actualSc = pattern.subclass()
      acutalSc.numberOfUses() + 1
      if n.subclass() = actualSc //winning neuron is in correct subclass
             if n \neq expected Ouputneuron (n.subclass() \neq actualSc.outputneuron())
                    set n as outputneuron (value 1) in target values and old outputneuron 0
      else
             actualSc.numberOfWrongOutput() + 1
             if actualSc.subclass().error > ScHighError.error
                    ScHighError = actualSc
             actualSc.safeWrongPattern(pattern)
  ScHighError. addNeuron() //in wrong patterns: set old outneuron 0, added neuron 1
end while
Subclass().error = numberOfWrongOutput() / numberOfUses() = % indication of error
```

NET ACCURACY(): = ScHighError = Subclass with highest errorrate is the accuracy of net

frequency