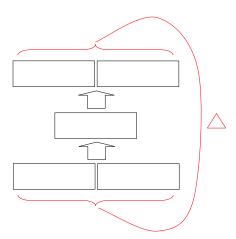
Just a quick summary of the algorithm:

Consider the sequence: S = a b c d e f g h i a b c x y z a b c ...



Remember Δ ONLY determines what will be in the input layer on the next cycle!! It DOES NOT determine whether or not to backprop.

- *i* and *a* are on input
- i and a are fed forward to the output layer to produce \hat{i} and \hat{a} on the output layer and H on the hidden layer
- The output \hat{i} and \hat{a} is compared to i and a. An error value Δ is calculated between $[\hat{i}, \hat{a}]$ (the output of the network) and [i, a] (the desired output).
- Since i and a are both items from S, a backprop pass is done. Whenever the two items on input are items from S, a backprop pass is done.
- Depending on the size of Δ one of two things may happen:
 - If Δ is large (above CRITERION), then a is moved into the left-hand side of the input and the next item in the sequence, b, is put into the right-hand side.
 - If Δ is small (at or below CRITERION), then H is put into the left-hand side of the input and the next item in the sequence, b, is put into the right-hand side.
- Whatever is on input is fed through to the output:
 - An error value Δ is calculated between what is on the output of the network and what is on input.
 - If the both of the inputs were from S, a backprop pass is done.
 - If the left-hand input is H, a backprop pass is done with p = 0.25.