* 1. **Revisiting Backpropagation Algorithm**

1. Computing the derivative of *tanh* function:

Revising the backpropagation algorithm for **hidden** units:

Revising the backpropagation algorithm for **output** units:

1. Computing the derivative of *ReLu* function:

Revising the backpropagation algorithm for **hidden** units:

Revising the backpropagation algorithm for **output** units:

* 1. **Gradient Descent**
  2. **Comparing Activation Function**