Quiz #2

1. **Which layer in the backpropagation algorithm is utilized for adjusting weights?**

a - Input layer

b - Hidden layer

c - Intermediate layer

d - Output layer

1. **How can we calculate the error in backpropagation?**

a - Calculate the difference between the true value and the predicted value.

b - Calculate the cross-entropy error.

c - Calculate the mean square error (MSE).

d - Calculates the distance between the predicted value and the actual value of the model.

1. **Choose the correct order of the backpropagation.**

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| 1. Feed the training sample 2. Backpropagate the weights, biases 3. Initialize the weights, biases 4. Propagate the inputs forward 5. Backpropagate the error |

a - 13425

b - 34125

c - 31452

d - 32435

e - 14352

1. **Choose the correct description for gradient descent.**

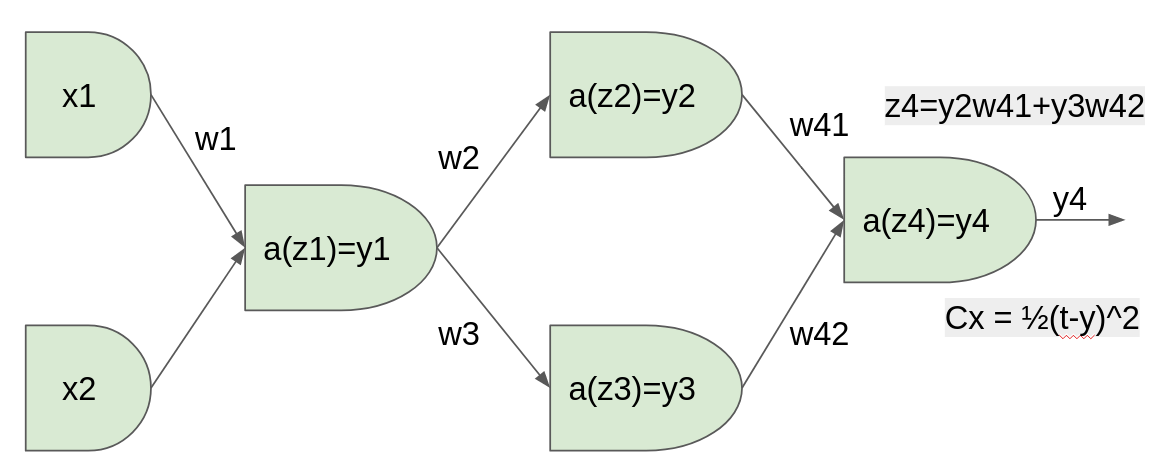
a - After each iteration, we modify the weight vector in the direction of the gradient.

b - In the gradient descent algorithm each update of the weight vector depends on all the training examples.

c - We have to choose a non-variable learning rate.

d - After each iteration, we modify the weight vector in the direction of the negative gradient.

1. **In this case, how can we calculate ?**



a - ・・・

b - ・・・

c - ・・

d - ・・