

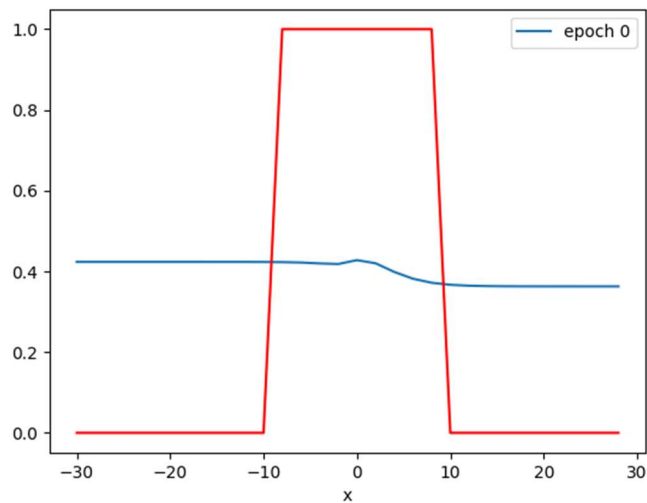
# Simple One Hidden Layer Neural Network - GPU Version (Different Params)

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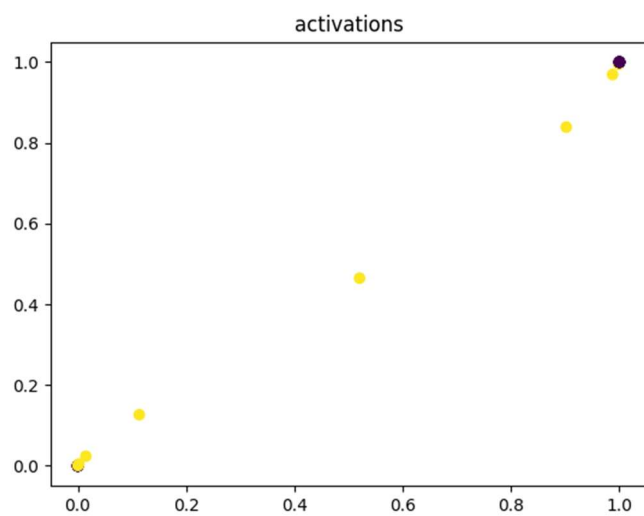
Device used: cpu

## Training with Cross Entropy Loss (Different Params)

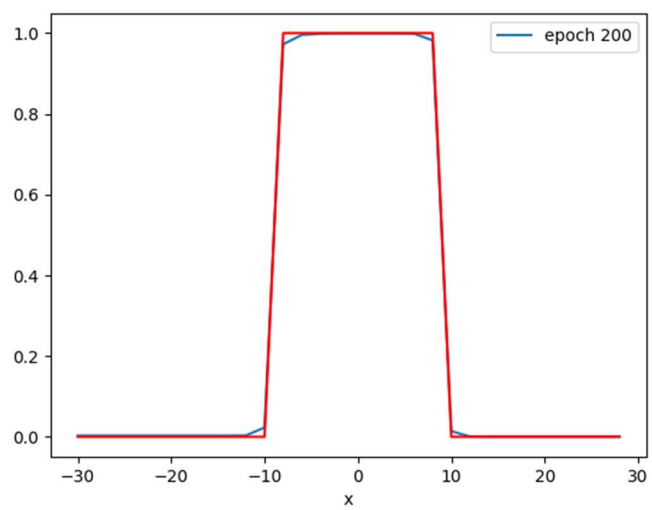
Model output at epoch 0



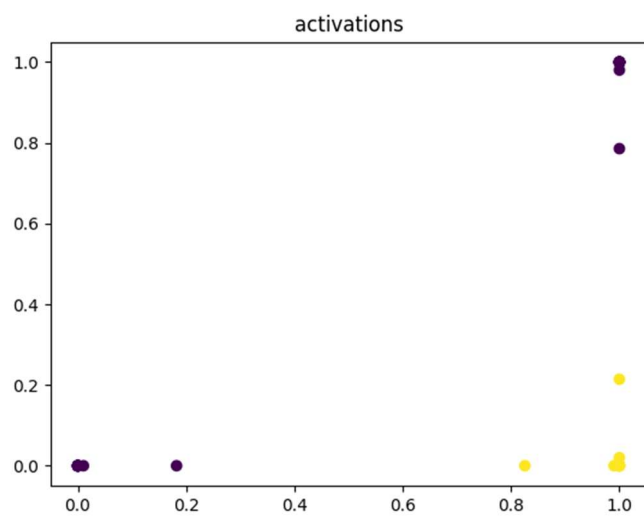
Activations at epoch 0



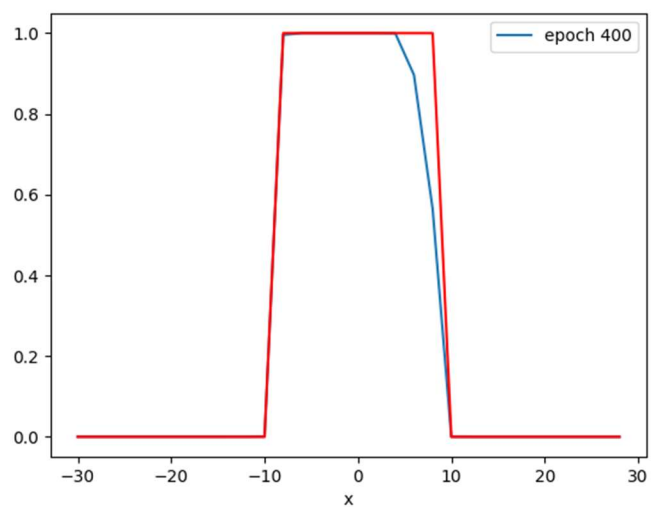
Model output at epoch 200



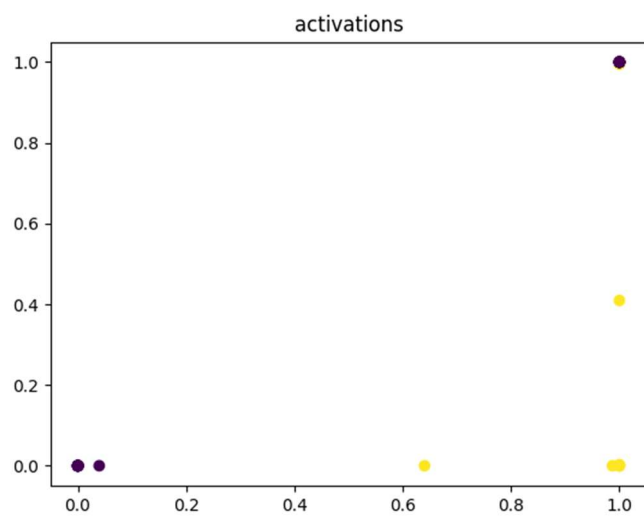
Activations at epoch 200



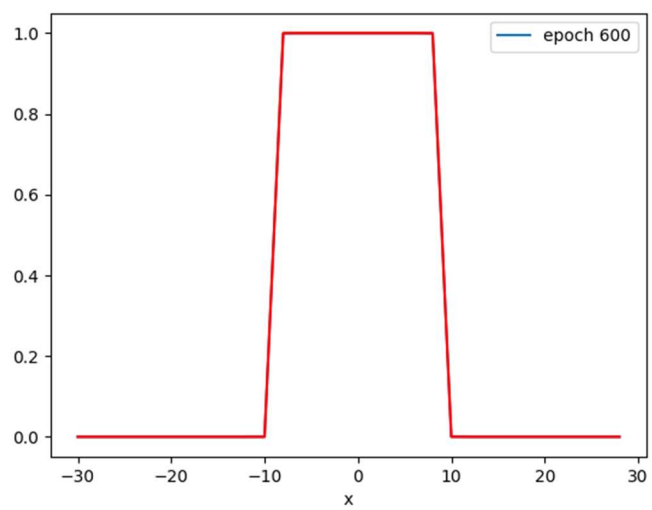
Model output at epoch 400



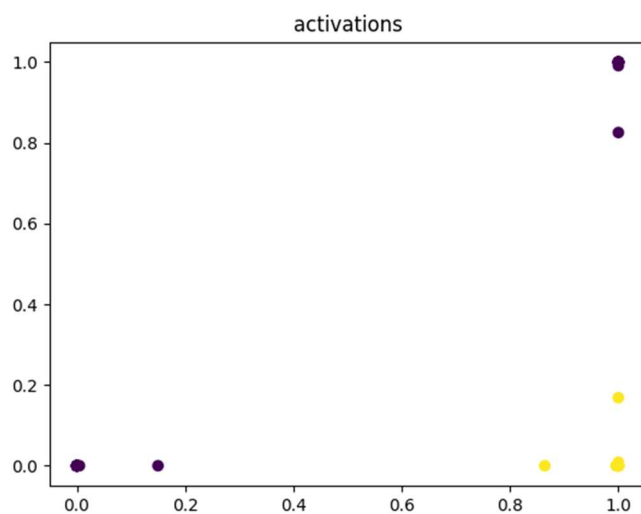
Activations at epoch 400



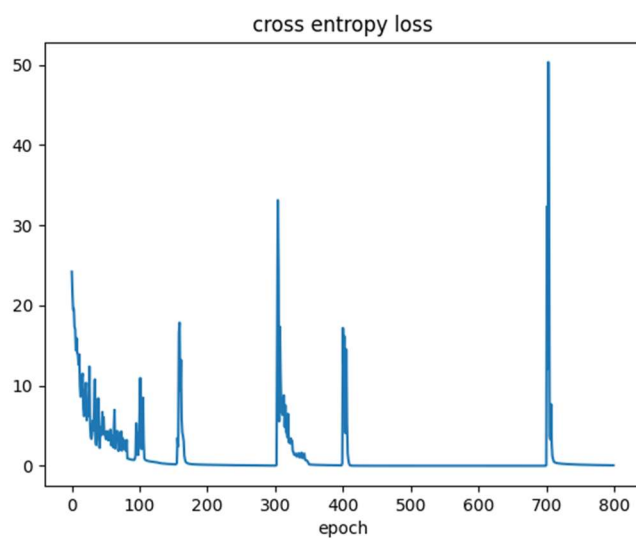
Model output at epoch 600



Activations at epoch 600



Loss curve:



Prediction for x=5.0: [0.9999883]

Predictions for X\_: [[9.999883e-01]  
[8.031130e-04]  
[5.081289e-04]]

Thresholded predictions: [[ True]  
[False]  
[False]]