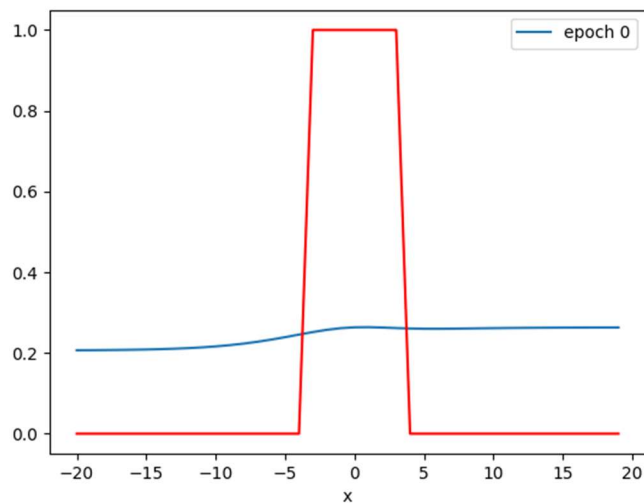# Simple One Hidden Layer Neural Network - GPU Version
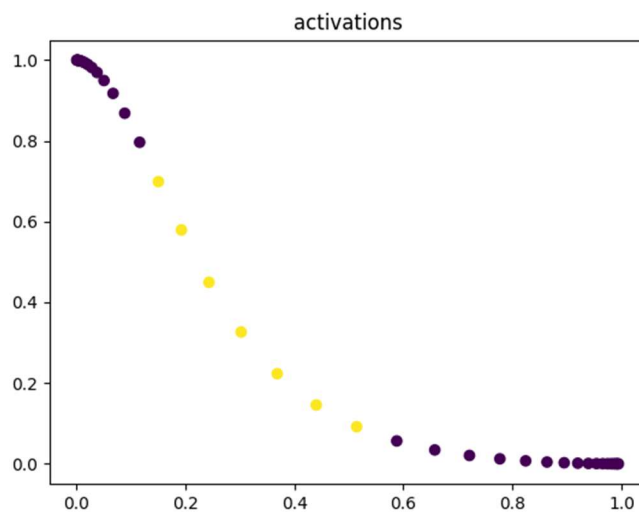
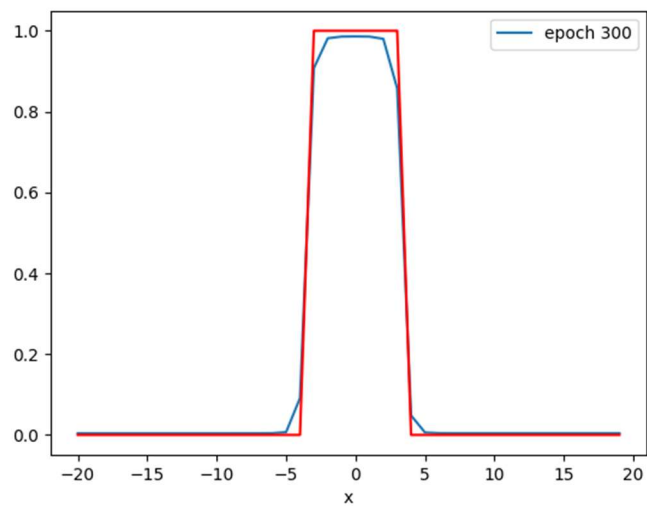Device used: gpu

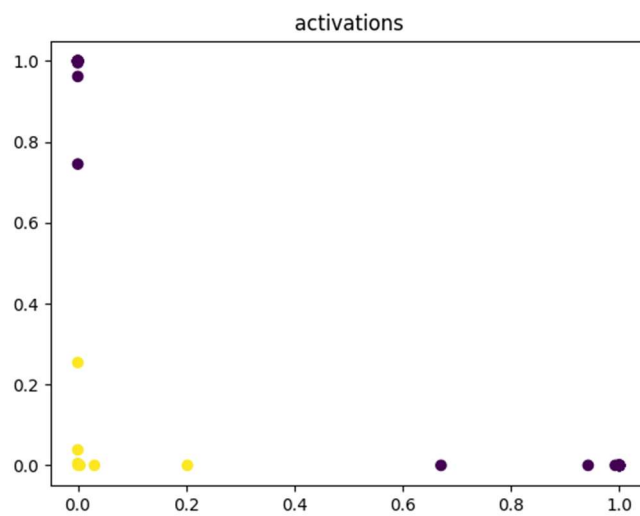## Training with Cross Entropy Loss

Model output at epoch 0



Activations at epoch 0

Model output at epoch 300
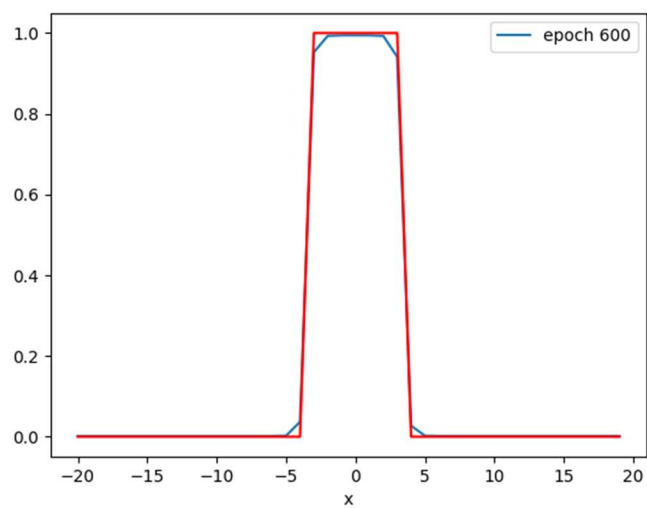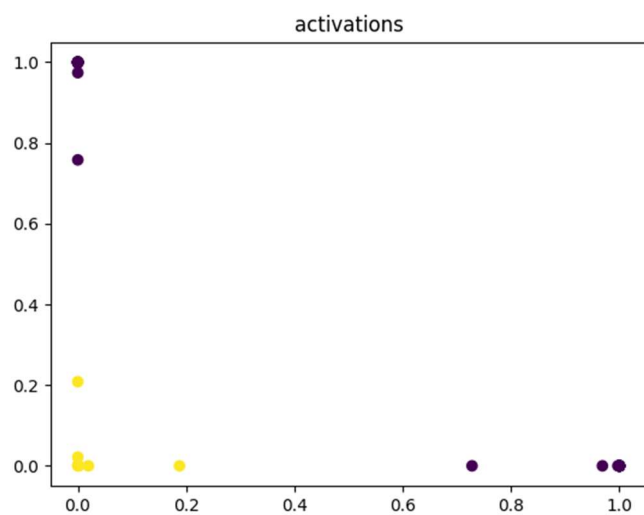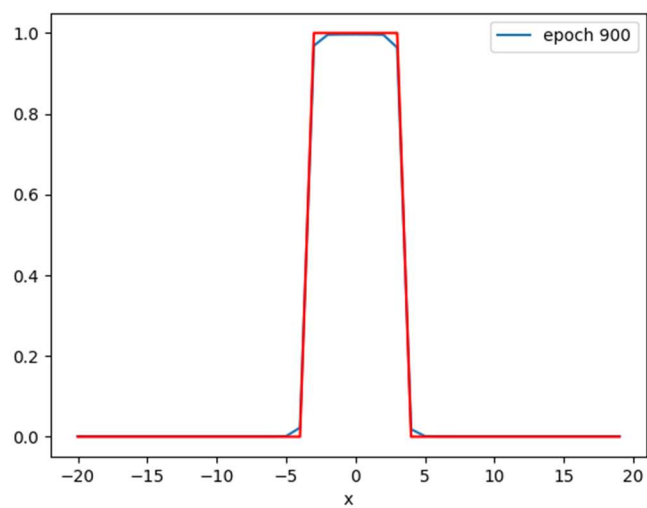


Activations at epoch 300



activations

Model output at epoch 600
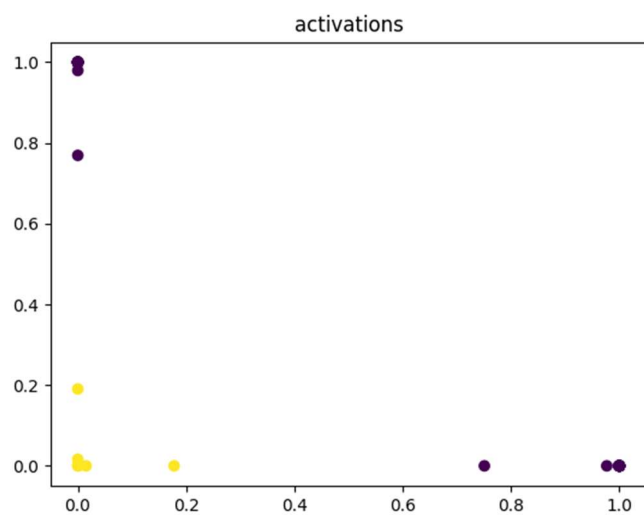
Activations at epoch 600


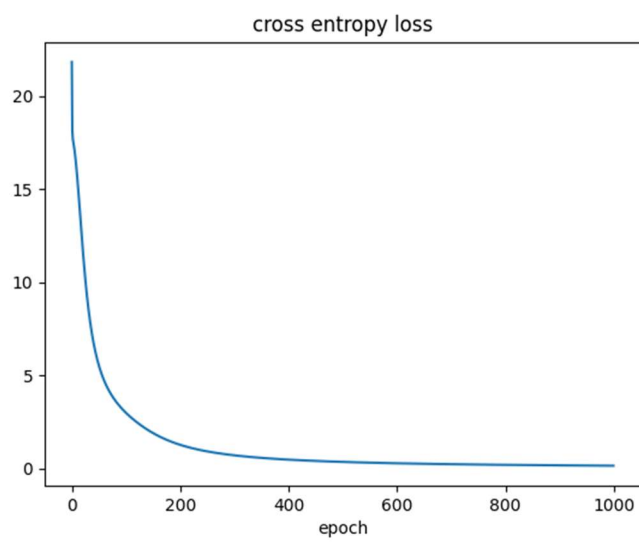
Model output at epoch 900

Activations at epoch 900



Loss curve:

cross entropy loss

Prediction for x=0.0: [0.99694246]

Predictions for X_: [[0.99694246]
 [0.99629384]
 [0.96796924]]

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