Long Nguyen

1001705873

Task 1)

- Training and testing on the synth1 dataset, 5 training rounds.

    - classification accuracy=1.0000

- Training and testing on the synth2 dataset, 5 training rounds.
    - classification accuracy=0.9150

- Training and testing on the synth3 dataset, 5 training rounds.
    - classification accuracy=0.8950

Task 2)

- Training and testing on the pendigits dataset, 10 training rounds.
    - classification accuracy=0.8659
- Training and testing on the satellite dataset, 10 training rounds
    - classification accuracy=0.5630
- Training and testing on the yeast dataset, 10 training rounds.
    - classification accuracy=0.5165

Task 3)

- Training and testing on the pendigits dataset, with 4 layers, 20 training rounds, 20 units for the first hidden layer, 15 units for the second hidden layer.
    - classification accuracy=0.9357
- Training and testing on the satellite dataset, with 4 layers, 20 training rounds, 20 units for the first hidden layer, 15 units for the second hidden layer.
    - classification accuracy=0.6620
- Training and testing on the yeast dataset, with 4 layers, 20 training rounds, 20 units for the first hidden layer, 15 units for the second hidden layer.
    - classification accuracy=0.3017