Exercício 1:

	Ionosphere.v1	**Ionosphere.v2**
Epochs	50	250
Batch Size	64	90
Learning Rate	0.001	0.001
Size Splits	**Test:** 0.33 **Train:** 0.66	**Test:** 0.33 **Train:** 0.66
Layers + Activations Functions	Linear(10) + ReLU; Linear(8) + ReLU; Linear(1) + Sigmoid	Linear(8) + LeakyReLU; Linear(4) + LeakyReLU; Linear(1) + Sigmoid
Loss Function	Binary Cross Entropy	Binary Cross Entropy
Optimization Function	Stochastic Gradient Descent	Adam
Accuracy	0.612	88.8

Exercício 2:

	Iris.v1	**Iris.v2**
Epochs	50	100
Batch Size	32	32
Learning Rate	0.01	0.05
Size Splits	**Test:** 0.33 **Train:** 0.66	**Test:** 0.33 **Train:** 0.66
Layers + Activations Functions	Linear(10) + ReLU; Linear(8) + ReLU; Linear(3) + Softmax	Linear(10) + ReLU; Linear(8) + ReLU; Linear(3) + Softmax
Loss Function	Cross Entropy	Cross Entropy
Optimization Function	Stochastic Gradient Descent	Adam
Accuracy	0.640	0.960

Exercício 3:

	mnist	**fmnist**
Epochs	200	35
Batch Size	90	32
Learning Rate	0.05	0.001
Size Splits	**Test:** 0.14 **Train:** 0.86	**Test:** 0.33 **Train:** 0.66
Layers + Activations Functions	Linear(20) + ReLU; Linear(20) + ReLU; Linear(10) + Softmax;	Linear(75) + LeakyReLU; Linear(75) + LeakyReLU; Linear(75) + LeakyReLU; Linear(10) + Softmax;
Loss Function	Cross Entropy	Cross Entropy
Optimization Function	Adam	Adam
Accuracy	0.361	0.613