

Training with learning rate 0.001 and hidden size 5...
Train accuracy: 0.8414833333333334, Test accuracy: 0.8388
Training with learning rate 0.001 and hidden size 6...
Train accuracy: 0.9144, Test accuracy: 0.9084
Training with learning rate 0.001 and hidden size 7...
Train accuracy: 0.9311, Test accuracy: 0.9242
Training with learning rate 0.001 and hidden size 8...
Train accuracy: 0.9285333333333333, Test accuracy: 0.9242
Training with learning rate 0.001 and hidden size 9...
Train accuracy: 0.9349, Test accuracy: 0.9231
Training with learning rate 0.001 and hidden size 10...
Train accuracy: 0.9459833333333333, Test accuracy: 0.9362
Training with learning rate 0.001 and hidden size 11...
Train accuracy: 0.9514833333333333, Test accuracy: 0.9394
Training with learning rate 0.001 and hidden size 12...
Train accuracy: 0.9543833333333334, Test accuracy: 0.9408
Training with learning rate 0.001 and hidden size 13...
Train accuracy: 0.9584, Test accuracy: 0.9496
Training with learning rate 0.001 and hidden size 14...
Train accuracy: 0.9628666666666666, Test accuracy: 0.9467
Training with learning rate 0.001 and hidden size 15...
Train accuracy: 0.96665, Test accuracy: 0.9502
Training with learning rate 0.002 and hidden size 5...
Train accuracy: 0.8945666666666666, Test accuracy: 0.8911
Training with learning rate 0.002 and hidden size 6...
Train accuracy: 0.9200166666666667, Test accuracy: 0.9112
Training with learning rate 0.002 and hidden size 7...
Train accuracy: 0.9322166666666667, Test accuracy: 0.9221
Training with learning rate 0.002 and hidden size 8...
Train accuracy: 0.9418166666666666, Test accuracy: 0.9313
Training with learning rate 0.002 and hidden size 9...
Train accuracy: 0.9359666666666666, Test accuracy: 0.9237
Training with learning rate 0.002 and hidden size 10...
Train accuracy: 0.9396666666666667, Test accuracy: 0.9285
Training with learning rate 0.002 and hidden size 11...
Train accuracy: 0.9514833333333333, Test accuracy: 0.9366
Training with learning rate 0.002 and hidden size 12...
Train accuracy: 0.9580666666666666, Test accuracy: 0.941
Training with learning rate 0.002 and hidden size 13...
Train accuracy: 0.9644833333333334, Test accuracy: 0.9491
Training with learning rate 0.002 and hidden size 14...

Train accuracy: 0.965416666666667, Test accuracy: 0.9472
Training with learning rate 0.002 and hidden size 15...
Train accuracy: 0.975116666666667, Test accuracy: 0.9533
Training with learning rate 0.003 and hidden size 5...
Train accuracy: 0.908283333333333, Test accuracy: 0.9009
Training with learning rate 0.003 and hidden size 6...
Train accuracy: 0.909066666666667, Test accuracy: 0.9027
Training with learning rate 0.003 and hidden size 7...
Train accuracy: 0.9122, Test accuracy: 0.9014
Training with learning rate 0.003 and hidden size 8...
Train accuracy: 0.929233333333334, Test accuracy: 0.9194
Training with learning rate 0.003 and hidden size 9...
Train accuracy: 0.934383333333333, Test accuracy: 0.9215
Training with learning rate 0.003 and hidden size 10...
Train accuracy: 0.954066666666667, Test accuracy: 0.939
Training with learning rate 0.003 and hidden size 11...
Train accuracy: 0.95075, Test accuracy: 0.9376
Training with learning rate 0.003 and hidden size 12...
Train accuracy: 0.9568, Test accuracy: 0.9442
Training with learning rate 0.003 and hidden size 13...
Train accuracy: 0.96495, Test accuracy: 0.9454
Training with learning rate 0.003 and hidden size 14...
Train accuracy: 0.968433333333334, Test accuracy: 0.9479
Training with learning rate 0.003 and hidden size 15...
Train accuracy: 0.975916666666667, Test accuracy: 0.95
Training with learning rate 0.004 and hidden size 5...
Train accuracy: 0.902733333333334, Test accuracy: 0.8905
Training with learning rate 0.004 and hidden size 6...
Train accuracy: 0.900133333333333, Test accuracy: 0.8912
Training with learning rate 0.004 and hidden size 7...
Train accuracy: 0.916433333333333, Test accuracy: 0.9044
Training with learning rate 0.004 and hidden size 8...
Train accuracy: 0.91615, Test accuracy: 0.91
Training with learning rate 0.004 and hidden size 9...
Train accuracy: 0.9464, Test accuracy: 0.9354
Training with learning rate 0.004 and hidden size 10...
Train accuracy: 0.952016666666667, Test accuracy: 0.9354
Training with learning rate 0.004 and hidden size 11...
Train accuracy: 0.94375, Test accuracy: 0.9299
Training with learning rate 0.004 and hidden size 12...
Train accuracy: 0.956316666666667, Test accuracy: 0.9384

Training with learning rate 0.004 and hidden size 13...
Train accuracy: 0.9618833333333333, Test accuracy: 0.9421
Training with learning rate 0.004 and hidden size 14...
Train accuracy: 0.96785, Test accuracy: 0.9471
Training with learning rate 0.004 and hidden size 15...
Train accuracy: 0.9686333333333333, Test accuracy: 0.9462
Training with learning rate 0.005 and hidden size 5...
Train accuracy: 0.8745833333333334, Test accuracy: 0.8719
Training with learning rate 0.005 and hidden size 6...
Train accuracy: 0.8513333333333334, Test accuracy: 0.8431
Training with learning rate 0.005 and hidden size 7...
Train accuracy: 0.9231, Test accuracy: 0.9096
Training with learning rate 0.005 and hidden size 8...
Train accuracy: 0.9457166666666666, Test accuracy: 0.9339
Training with learning rate 0.005 and hidden size 9...
Train accuracy: 0.8828666666666667, Test accuracy: 0.8759
Training with learning rate 0.005 and hidden size 10...
Train accuracy: 0.9477333333333333, Test accuracy: 0.9309
Training with learning rate 0.005 and hidden size 11...
Train accuracy: 0.9463833333333334, Test accuracy: 0.9314
Training with learning rate 0.005 and hidden size 12...
Train accuracy: 0.9531, Test accuracy: 0.9359
Training with learning rate 0.005 and hidden size 13...
Train accuracy: 0.9624833333333334, Test accuracy: 0.9442
Training with learning rate 0.005 and hidden size 14...
Train accuracy: 0.9630166666666666, Test accuracy: 0.9407
Training with learning rate 0.005 and hidden size 15...
Train accuracy: 0.97565, Test accuracy: 0.9522
Training with learning rate 0.006 and hidden size 5...
Train accuracy: 0.9041833333333333, Test accuracy: 0.8971
Training with learning rate 0.006 and hidden size 6...
Train accuracy: 0.9122833333333333, Test accuracy: 0.9016
Training with learning rate 0.006 and hidden size 7...
Train accuracy: 0.8973666666666666, Test accuracy: 0.8931
Training with learning rate 0.006 and hidden size 8...
Train accuracy: 0.9190833333333334, Test accuracy: 0.9065
Training with learning rate 0.006 and hidden size 9...
Train accuracy: 0.946, Test accuracy: 0.934
Training with learning rate 0.006 and hidden size 10...
Train accuracy: 0.9436666666666667, Test accuracy: 0.9302
Training with learning rate 0.006 and hidden size 11...

Train accuracy: 0.9325333333333333, Test accuracy: 0.92
Training with learning rate 0.006 and hidden size 12...
Train accuracy: 0.9528166666666666, Test accuracy: 0.935
Training with learning rate 0.006 and hidden size 13...
Train accuracy: 0.9448833333333333, Test accuracy: 0.9335
Training with learning rate 0.006 and hidden size 14...
Train accuracy: 0.9542833333333334, Test accuracy: 0.9365
Training with learning rate 0.006 and hidden size 15...
Train accuracy: 0.9649666666666666, Test accuracy: 0.9448
Training with learning rate 0.007 and hidden size 5...
Train accuracy: 0.90945, Test accuracy: 0.9006
Training with learning rate 0.007 and hidden size 6...
Train accuracy: 0.8834833333333333, Test accuracy: 0.8778
Training with learning rate 0.007 and hidden size 7...
Train accuracy: 0.9180666666666667, Test accuracy: 0.9061
Training with learning rate 0.007 and hidden size 8...
Train accuracy: 0.90785, Test accuracy: 0.9021
Training with learning rate 0.007 and hidden size 9...
Train accuracy: 0.9462666666666667, Test accuracy: 0.9299
Training with learning rate 0.007 and hidden size 10...
Train accuracy: 0.9554166666666667, Test accuracy: 0.935
Training with learning rate 0.007 and hidden size 11...
Train accuracy: 0.9623666666666667, Test accuracy: 0.9421
Training with learning rate 0.007 and hidden size 12...
Train accuracy: 0.9574333333333334, Test accuracy: 0.9411
Training with learning rate 0.007 and hidden size 13...
Train accuracy: 0.9601666666666666, Test accuracy: 0.9393
Training with learning rate 0.007 and hidden size 14...
Train accuracy: 0.9540166666666666, Test accuracy: 0.935
Training with learning rate 0.007 and hidden size 15...
Train accuracy: 0.9610666666666666, Test accuracy: 0.9416
Training with learning rate 0.008 and hidden size 5...
Train accuracy: 0.81865, Test accuracy: 0.8129
Training with learning rate 0.008 and hidden size 6...
Train accuracy: 0.8856333333333334, Test accuracy: 0.8767
Training with learning rate 0.008 and hidden size 7...
Train accuracy: 0.9103833333333333, Test accuracy: 0.9024
Training with learning rate 0.008 and hidden size 8...
Train accuracy: 0.9251, Test accuracy: 0.9099
Training with learning rate 0.008 and hidden size 9...
Train accuracy: 0.9406, Test accuracy: 0.9276

Training with learning rate 0.008 and hidden size 10...
Train accuracy: 0.9491166666666667, Test accuracy: 0.936
Training with learning rate 0.008 and hidden size 11...
Train accuracy: 0.9605166666666667, Test accuracy: 0.9434
Training with learning rate 0.008 and hidden size 12...
Train accuracy: 0.9550833333333333, Test accuracy: 0.9378
Training with learning rate 0.008 and hidden size 13...
Train accuracy: 0.9614, Test accuracy: 0.9447
Training with learning rate 0.008 and hidden size 14...
Train accuracy: 0.9599666666666666, Test accuracy: 0.9385
Training with learning rate 0.008 and hidden size 15...
Train accuracy: 0.9709, Test accuracy: 0.9508
Training with learning rate 0.009000000000000001 and hidden size 5...
Train accuracy: 0.8237166666666667, Test accuracy: 0.823
Training with learning rate 0.009000000000000001 and hidden size 6...
Train accuracy: 0.8851, Test accuracy: 0.8765
Training with learning rate 0.009000000000000001 and hidden size 7...
Train accuracy: 0.8839, Test accuracy: 0.8752
Training with learning rate 0.009000000000000001 and hidden size 8...
Train accuracy: 0.8856333333333334, Test accuracy: 0.8756
Training with learning rate 0.009000000000000001 and hidden size 9...
Train accuracy: 0.9404833333333333, Test accuracy: 0.9282
Training with learning rate 0.009000000000000001 and hidden size 10...
Train accuracy: 0.9517, Test accuracy: 0.9371
Training with learning rate 0.009000000000000001 and hidden size 11...
Train accuracy: 0.9582333333333334, Test accuracy: 0.941
Training with learning rate 0.009000000000000001 and hidden size 12...
Train accuracy: 0.9555, Test accuracy: 0.9389
Training with learning rate 0.009000000000000001 and hidden size 13...
Train accuracy: 0.9617166666666667, Test accuracy: 0.9442
Training with learning rate 0.009000000000000001 and hidden size 14...
Train accuracy: 0.9704666666666667, Test accuracy: 0.9508
Training with learning rate 0.009000000000000001 and hidden size 15...
Train accuracy: 0.9741, Test accuracy: 0.9511
Training with learning rate 0.010000000000000002 and hidden size 5...
Train accuracy: 0.8747166666666667, Test accuracy: 0.8649
Training with learning rate 0.010000000000000002 and hidden size 6...
Train accuracy: 0.8760333333333333, Test accuracy: 0.8738
Training with learning rate 0.010000000000000002 and hidden size 7...
Train accuracy: 0.91295, Test accuracy: 0.9024
Training with learning rate 0.010000000000000002 and hidden size 8...

Train accuracy: 0.9115166666666666, Test accuracy: 0.9012
Training with learning rate 0.010000000000000002 and hidden size 9...
Train accuracy: 0.9153166666666667, Test accuracy: 0.9048
Training with learning rate 0.010000000000000002 and hidden size 10...
Train accuracy: 0.95205, Test accuracy: 0.9339
Training with learning rate 0.010000000000000002 and hidden size 11...
Train accuracy: 0.9365666666666667, Test accuracy: 0.9205
Training with learning rate 0.010000000000000002 and hidden size 12...
Train accuracy: 0.9281166666666667, Test accuracy: 0.915
Training with learning rate 0.010000000000000002 and hidden size 13...
Train accuracy: 0.9563, Test accuracy: 0.9386
Training with learning rate 0.010000000000000002 and hidden size 14...
Train accuracy: 0.9677666666666667, Test accuracy: 0.944
Training with learning rate 0.010000000000000002 and hidden size 15...
Train accuracy: 0.9618833333333333, Test accuracy: 0.942
Training with learning rate 0.011 and hidden size 5...
Train accuracy: 0.5952666666666667, Test accuracy: 0.5889
Training with learning rate 0.011 and hidden size 6...
Train accuracy: 0.7844333333333333, Test accuracy: 0.7813
Training with learning rate 0.011 and hidden size 7...
Train accuracy: 0.87445, Test accuracy: 0.8701
Training with learning rate 0.011 and hidden size 8...
Train accuracy: 0.9297666666666666, Test accuracy: 0.9179
Training with learning rate 0.011 and hidden size 9...
Train accuracy: 0.9370166666666667, Test accuracy: 0.9192
Training with learning rate 0.011 and hidden size 10...
Train accuracy: 0.9338833333333333, Test accuracy: 0.92
Training with learning rate 0.011 and hidden size 11...
Train accuracy: 0.95755, Test accuracy: 0.942
Training with learning rate 0.011 and hidden size 12...
Train accuracy: 0.9587833333333333, Test accuracy: 0.9375
Training with learning rate 0.011 and hidden size 13...
Train accuracy: 0.9668666666666667, Test accuracy: 0.9437
Training with learning rate 0.011 and hidden size 14...
Train accuracy: 0.9693333333333334, Test accuracy: 0.9444
Training with learning rate 0.011 and hidden size 15...
Train accuracy: 0.9675666666666667, Test accuracy: 0.9433
Training with learning rate 0.012 and hidden size 5...
Train accuracy: 0.8423, Test accuracy: 0.8324
Training with learning rate 0.012 and hidden size 6...
Train accuracy: 0.8950333333333333, Test accuracy: 0.8836

Training with learning rate 0.012 and hidden size 7...
Train accuracy: 0.9256833333333333, Test accuracy: 0.914
Training with learning rate 0.012 and hidden size 8...
Train accuracy: 0.8870666666666667, Test accuracy: 0.8714
Training with learning rate 0.012 and hidden size 9...
Train accuracy: 0.93495, Test accuracy: 0.9269
Training with learning rate 0.012 and hidden size 10...
Train accuracy: 0.94485, Test accuracy: 0.9295
Training with learning rate 0.012 and hidden size 11...
Train accuracy: 0.9439333333333333, Test accuracy: 0.9269
Training with learning rate 0.012 and hidden size 12...
Train accuracy: 0.9373166666666667, Test accuracy: 0.9244
Training with learning rate 0.012 and hidden size 13...
Train accuracy: 0.9546333333333333, Test accuracy: 0.9381
Training with learning rate 0.012 and hidden size 14...
Train accuracy: 0.9603333333333334, Test accuracy: 0.9467
Training with learning rate 0.012 and hidden size 15...
Train accuracy: 0.9684666666666667, Test accuracy: 0.9485
Training with learning rate 0.013000000000000001 and hidden size 5...
Train accuracy: 0.4500666666666667, Test accuracy: 0.4458
Training with learning rate 0.013000000000000001 and hidden size 6...
Train accuracy: 0.6844666666666667, Test accuracy: 0.6813
Training with learning rate 0.013000000000000001 and hidden size 7...
Train accuracy: 0.9116166666666666, Test accuracy: 0.9038
Training with learning rate 0.013000000000000001 and hidden size 8...
Train accuracy: 0.9256166666666666, Test accuracy: 0.9139
Training with learning rate 0.013000000000000001 and hidden size 9...
Train accuracy: 0.9312666666666667, Test accuracy: 0.9168
Training with learning rate 0.013000000000000001 and hidden size 10...
Train accuracy: 0.93075, Test accuracy: 0.9147
Training with learning rate 0.013000000000000001 and hidden size 11...
Train accuracy: 0.9423166666666667, Test accuracy: 0.926
Training with learning rate 0.013000000000000001 and hidden size 12...
Train accuracy: 0.94275, Test accuracy: 0.9299
Training with learning rate 0.013000000000000001 and hidden size 13...
Train accuracy: 0.9594333333333334, Test accuracy: 0.9403
Training with learning rate 0.013000000000000001 and hidden size 14...
Train accuracy: 0.9515, Test accuracy: 0.9353
Training with learning rate 0.013000000000000001 and hidden size 15...
Train accuracy: 0.9604166666666667, Test accuracy: 0.9427
Training with learning rate 0.014000000000000002 and hidden size 5...

Train accuracy: 0.8016166666666666, Test accuracy: 0.7965
Training with learning rate 0.014000000000000002 and hidden size 6...
Train accuracy: 0.8534833333333334, Test accuracy: 0.8437
Training with learning rate 0.014000000000000002 and hidden size 7...
Train accuracy: 0.9091333333333333, Test accuracy: 0.8995
Training with learning rate 0.014000000000000002 and hidden size 8...
Train accuracy: 0.92725, Test accuracy: 0.9142
Training with learning rate 0.014000000000000002 and hidden size 9...
Train accuracy: 0.9384, Test accuracy: 0.92
Training with learning rate 0.014000000000000002 and hidden size 10...
Train accuracy: 0.9394666666666667, Test accuracy: 0.9206
Training with learning rate 0.014000000000000002 and hidden size 11...
Train accuracy: 0.93745, Test accuracy: 0.926
Training with learning rate 0.014000000000000002 and hidden size 12...
Train accuracy: 0.95385, Test accuracy: 0.9336
Training with learning rate 0.014000000000000002 and hidden size 13...
Train accuracy: 0.9549166666666666, Test accuracy: 0.9403
Training with learning rate 0.014000000000000002 and hidden size 14...
Train accuracy: 0.94225, Test accuracy: 0.926
Training with learning rate 0.014000000000000002 and hidden size 15...
Train accuracy: 0.9351333333333334, Test accuracy: 0.9222
Training with learning rate 0.015 and hidden size 5...
Train accuracy: 0.8724166666666666, Test accuracy: 0.8668
Training with learning rate 0.015 and hidden size 6...
Train accuracy: 0.9099166666666667, Test accuracy: 0.8976
Training with learning rate 0.015 and hidden size 7...
Train accuracy: 0.8995833333333333, Test accuracy: 0.8904
Training with learning rate 0.015 and hidden size 8...
Train accuracy: 0.9171333333333334, Test accuracy: 0.9043
Training with learning rate 0.015 and hidden size 9...
Train accuracy: 0.9121333333333334, Test accuracy: 0.9005
Training with learning rate 0.015 and hidden size 10...
Train accuracy: 0.9254333333333333, Test accuracy: 0.9141
Training with learning rate 0.015 and hidden size 11...
Train accuracy: 0.94645, Test accuracy: 0.9331
Training with learning rate 0.015 and hidden size 12...
Train accuracy: 0.9544166666666667, Test accuracy: 0.9372
Training with learning rate 0.015 and hidden size 13...
Train accuracy: 0.96235, Test accuracy: 0.9439
Training with learning rate 0.015 and hidden size 14...
Train accuracy: 0.96665, Test accuracy: 0.9431

Training with learning rate 0.015 and hidden size 15...
Train accuracy: 0.96375, Test accuracy: 0.9434
Training with learning rate 0.016 and hidden size 5...
Train accuracy: 0.8682333333333333, Test accuracy: 0.8572
Training with learning rate 0.016 and hidden size 6...
Train accuracy: 0.8582333333333333, Test accuracy: 0.853
Training with learning rate 0.016 and hidden size 7...
Train accuracy: 0.9275333333333333, Test accuracy: 0.9171
Training with learning rate 0.016 and hidden size 8...
Train accuracy: 0.9080166666666667, Test accuracy: 0.9006
Training with learning rate 0.016 and hidden size 9...
Train accuracy: 0.9344333333333333, Test accuracy: 0.9211
Training with learning rate 0.016 and hidden size 10...
Train accuracy: 0.903, Test accuracy: 0.8958
Training with learning rate 0.016 and hidden size 11...
Train accuracy: 0.9553333333333334, Test accuracy: 0.9446
Training with learning rate 0.016 and hidden size 12...
Train accuracy: 0.94975, Test accuracy: 0.9322
Training with learning rate 0.016 and hidden size 13...
Train accuracy: 0.9430833333333334, Test accuracy: 0.9335
Training with learning rate 0.016 and hidden size 14...
Train accuracy: 0.9492, Test accuracy: 0.9331
Training with learning rate 0.016 and hidden size 15...
Train accuracy: 0.9688666666666667, Test accuracy: 0.9475
Training with learning rate 0.017 and hidden size 5...
Train accuracy: 0.86975, Test accuracy: 0.8605
Training with learning rate 0.017 and hidden size 6...
Train accuracy: 0.6695666666666666, Test accuracy: 0.6721
Training with learning rate 0.017 and hidden size 7...
Train accuracy: 0.9196333333333333, Test accuracy: 0.91
Training with learning rate 0.017 and hidden size 8...
Train accuracy: 0.9208, Test accuracy: 0.9097
Training with learning rate 0.017 and hidden size 9...
Train accuracy: 0.90955, Test accuracy: 0.8979
Training with learning rate 0.017 and hidden size 10...
Train accuracy: 0.9108, Test accuracy: 0.9014
Training with learning rate 0.017 and hidden size 11...
Train accuracy: 0.948, Test accuracy: 0.9327
Training with learning rate 0.017 and hidden size 12...
Train accuracy: 0.9511833333333334, Test accuracy: 0.94
Training with learning rate 0.017 and hidden size 13...

Train accuracy: 0.964466666666667, Test accuracy: 0.9433
Training with learning rate 0.017 and hidden size 14...
Train accuracy: 0.96115, Test accuracy: 0.9414
Training with learning rate 0.017 and hidden size 15...
Train accuracy: 0.967933333333333, Test accuracy: 0.9472
Training with learning rate 0.01800000000000002 and hidden size 5...
Train accuracy: 0.800283333333333, Test accuracy: 0.7877
Training with learning rate 0.01800000000000002 and hidden size 6...
Train accuracy: 0.85345, Test accuracy: 0.8472
Training with learning rate 0.01800000000000002 and hidden size 7...
Train accuracy: 0.888966666666667, Test accuracy: 0.8788
Training with learning rate 0.01800000000000002 and hidden size 8...
Train accuracy: 0.864716666666667, Test accuracy: 0.8509
Training with learning rate 0.01800000000000002 and hidden size 9...
Train accuracy: 0.907383333333333, Test accuracy: 0.8969
Training with learning rate 0.01800000000000002 and hidden size 10...
Train accuracy: 0.95585, Test accuracy: 0.9415
Training with learning rate 0.01800000000000002 and hidden size 11...
Train accuracy: 0.946483333333333, Test accuracy: 0.9312
Training with learning rate 0.01800000000000002 and hidden size 12...
Train accuracy: 0.945033333333333, Test accuracy: 0.9281
Training with learning rate 0.01800000000000002 and hidden size 13...
Train accuracy: 0.954466666666667, Test accuracy: 0.9364
Training with learning rate 0.01800000000000002 and hidden size 14...
Train accuracy: 0.932966666666667, Test accuracy: 0.922
Training with learning rate 0.01800000000000002 and hidden size 15...
Train accuracy: 0.958316666666667, Test accuracy: 0.9467
Training with learning rate 0.01900000000000003 and hidden size 5...
Train accuracy: 0.861883333333333, Test accuracy: 0.8554
Training with learning rate 0.01900000000000003 and hidden size 6...
Train accuracy: 0.870316666666666, Test accuracy: 0.8685
Training with learning rate 0.01900000000000003 and hidden size 7...
Train accuracy: 0.897583333333333, Test accuracy: 0.8919
Training with learning rate 0.01900000000000003 and hidden size 8...
Train accuracy: 0.928333333333333, Test accuracy: 0.9119
Training with learning rate 0.01900000000000003 and hidden size 9...
Train accuracy: 0.948166666666667, Test accuracy: 0.9338
Training with learning rate 0.01900000000000003 and hidden size 10...
Train accuracy: 0.9327, Test accuracy: 0.9219
Training with learning rate 0.01900000000000003 and hidden size 11...
Train accuracy: 0.948133333333333, Test accuracy: 0.9313

Training with learning rate 0.019000000000000003 and hidden size 12...

Train accuracy: 0.9471833333333334, Test accuracy: 0.9333

Training with learning rate 0.019000000000000003 and hidden size 13...

Train accuracy: 0.9607833333333333, Test accuracy: 0.9453

Training with learning rate 0.019000000000000003 and hidden size 14...

Train accuracy: 0.9391666666666667, Test accuracy: 0.9276

Training with learning rate 0.019000000000000003 and hidden size 15...

Train accuracy: 0.9517333333333333, Test accuracy: 0.9332

Best hyperparameters: {'learning_rate': 0.002, 'hidden_size': 15}

Best test accuracy: 0.9533

