D:\Python3.11.5\python.exe "D:\test\_cuda\modify1\main1(2).py"

Running experiment: fashion\_mnist | l=1000 | p=0.3 | seed=0

Dataset fashion\_mnist: 1000 labeled, 59000 unlabeled

Average candidate labels: 3.00

[Epoch 0] Loss: 2.3740, Supervised: 35.5601, Unsupervised: 0.0504, Acc: 20.52%

[Epoch 1] Loss: 1.6343, Supervised: 23.7161, Unsupervised: 0.7986, Acc: 43.44%

[Epoch 2] Loss: 1.4423, Supervised: 20.0975, Unsupervised: 1.5372, Acc: 55.31%

[Epoch 3] Loss: 1.5467, Supervised: 22.2869, Unsupervised: 0.9130, Acc: 53.23%

[Epoch 4] Loss: 1.1202, Supervised: 15.3625, Unsupervised: 1.4403, Acc: 65.94%

[Epoch 5] Loss: 1.1054, Supervised: 13.8904, Unsupervised: 2.6913, Acc: 67.81%

[Epoch 6] Loss: 0.9274, Supervised: 11.9347, Unsupervised: 1.9761, Acc: 69.38%

[Epoch 7] Loss: 0.8067, Supervised: 10.6527, Unsupervised: 1.4477, Acc: 72.50%

[Epoch 8] Loss: 0.7909, Supervised: 9.7699, Unsupervised: 2.0938, Acc: 74.90%

[Epoch 9] Loss: 0.7925, Supervised: 9.9442, Unsupervised: 1.9439, Acc: 73.85%

[Epoch 10] Loss: 0.6923, Supervised: 8.5783, Unsupervised: 1.8066, Acc: 77.40%

[Epoch 11] Loss: 0.7184, Supervised: 9.2233, Unsupervised: 1.5522, Acc: 77.40%

[Epoch 12] Loss: 0.7302, Supervised: 8.4983, Unsupervised: 2.4554, Acc: 78.12%

[Epoch 13] Loss: 0.6930, Supervised: 8.4441, Unsupervised: 1.9511, Acc: 78.33%

[Epoch 14] Loss: 0.6987, Supervised: 8.7703, Unsupervised: 1.7105, Acc: 77.29%

[Epoch 15] Loss: 0.7230, Supervised: 9.1113, Unsupervised: 1.7343, Acc: 78.54%

[Epoch 16] Loss: 0.6344, Supervised: 7.4107, Unsupervised: 2.1050, Acc: 80.62%

[Epoch 17] Loss: 0.7171, Supervised: 8.5311, Unsupervised: 2.2253, Acc: 78.96%

[Epoch 18] Loss: 0.6878, Supervised: 8.4458, Unsupervised: 1.8707, Acc: 79.27%

[Epoch 19] Loss: 0.6043, Supervised: 7.3022, Unsupervised: 1.7616, Acc: 80.52%

[Epoch 20] Loss: 0.5781, Supervised: 7.0611, Unsupervised: 1.6103, Acc: 81.56%

[Epoch 21] Loss: 0.5260, Supervised: 5.8951, Unsupervised: 1.9947, Acc: 84.79%

[Epoch 22] Loss: 0.6367, Supervised: 6.9448, Unsupervised: 2.6055, Acc: 80.94%

[Epoch 23] Loss: 0.5458, Supervised: 6.7847, Unsupervised: 1.4022, Acc: 82.29%

[Epoch 24] Loss: 0.5113, Supervised: 6.4259, Unsupervised: 1.2435, Acc: 83.44%

[Epoch 25] Loss: 0.5502, Supervised: 6.0480, Unsupervised: 2.2050, Acc: 84.38%

[Epoch 26] Loss: 0.5638, Supervised: 6.6613, Unsupervised: 1.7964, Acc: 83.33%

[Epoch 27] Loss: 0.5322, Supervised: 6.3157, Unsupervised: 1.6680, Acc: 83.44%

[Epoch 28] Loss: 0.4781, Supervised: 5.5127, Unsupervised: 1.6583, Acc: 87.81%

[Epoch 29] Loss: 0.4618, Supervised: 5.3658, Unsupervised: 1.5616, Acc: 85.42%

[Epoch 30] Loss: 0.4644, Supervised: 5.2647, Unsupervised: 1.7017, Acc: 85.42%

[Epoch 31] Loss: 0.4921, Supervised: 5.6979, Unsupervised: 1.6844, Acc: 84.58%

[Epoch 32] Loss: 0.5454, Supervised: 5.8633, Unsupervised: 2.3177, Acc: 85.42%

[Epoch 33] Loss: 0.4999, Supervised: 5.7105, Unsupervised: 1.7885, Acc: 85.31%

[Epoch 34] Loss: 0.4480, Supervised: 5.0379, Unsupervised: 1.6814, Acc: 86.25%

[Epoch 35] Loss: 0.4724, Supervised: 5.2479, Unsupervised: 1.8373, Acc: 85.73%

[Epoch 36] Loss: 0.4365, Supervised: 5.1981, Unsupervised: 1.3496, Acc: 86.46%

[Epoch 37] Loss: 0.3729, Supervised: 4.1241, Unsupervised: 1.4692, Acc: 89.90%

[Epoch 38] Loss: 0.4133, Supervised: 4.3672, Unsupervised: 1.8318, Acc: 88.75%

[Epoch 39] Loss: 0.4994, Supervised: 5.5015, Unsupervised: 1.9887, Acc: 86.77%

[Epoch 40] Loss: 0.4181, Supervised: 4.7334, Unsupervised: 1.5377, Acc: 86.46%

[Epoch 41] Loss: 0.3878, Supervised: 4.3800, Unsupervised: 1.4374, Acc: 88.75%

[Epoch 42] Loss: 0.4308, Supervised: 4.7684, Unsupervised: 1.6937, Acc: 86.35%

[Epoch 43] Loss: 0.4121, Supervised: 4.6487, Unsupervised: 1.5325, Acc: 88.54%

[Epoch 44] Loss: 0.3728, Supervised: 4.1186, Unsupervised: 1.4730, Acc: 87.92%

[Epoch 45] Loss: 0.3869, Supervised: 3.8659, Unsupervised: 1.9381, Acc: 90.62%

[Epoch 46] Loss: 0.3533, Supervised: 3.5929, Unsupervised: 1.7060, Acc: 90.62%

[Epoch 47] Loss: 0.4150, Supervised: 4.2448, Unsupervised: 1.9800, Acc: 89.38%

[Epoch 48] Loss: 0.4414, Supervised: 5.0985, Unsupervised: 1.5231, Acc: 86.04%

[Epoch 49] Loss: 0.4059, Supervised: 4.3484, Unsupervised: 1.7398, Acc: 88.75%

[Epoch 50] Loss: 0.3793, Supervised: 3.8873, Unsupervised: 1.8029, Acc: 89.69%

[Epoch 51] Loss: 0.3808, Supervised: 4.3357, Unsupervised: 1.3765, Acc: 87.71%

[Epoch 52] Loss: 0.3544, Supervised: 3.5089, Unsupervised: 1.8074, Acc: 91.35%

[Epoch 53] Loss: 0.3748, Supervised: 3.4897, Unsupervised: 2.1323, Acc: 91.04%

[Epoch 54] Loss: 0.4195, Supervised: 4.0763, Unsupervised: 2.2169, Acc: 89.58%

[Epoch 55] Loss: 0.3230, Supervised: 3.4422, Unsupervised: 1.4035, Acc: 91.35%

[Epoch 56] Loss: 0.3753, Supervised: 3.6595, Unsupervised: 1.9695, Acc: 89.58%

[Epoch 57] Loss: 0.3645, Supervised: 3.7833, Unsupervised: 1.6847, Acc: 91.04%

[Epoch 58] Loss: 0.3500, Supervised: 3.3623, Unsupervised: 1.8877, Acc: 92.50%

[Epoch 59] Loss: 0.4316, Supervised: 3.7957, Unsupervised: 2.6779, Acc: 90.31%

[Epoch 60] Loss: 0.4018, Supervised: 4.3191, Unsupervised: 1.7075, Acc: 89.38%

[Epoch 61] Loss: 0.3530, Supervised: 3.6960, Unsupervised: 1.5994, Acc: 90.42%

[Epoch 62] Loss: 0.3492, Supervised: 3.2700, Unsupervised: 1.9685, Acc: 91.04%

[Epoch 63] Loss: 0.3138, Supervised: 3.1019, Unsupervised: 1.6054, Acc: 91.35%

[Epoch 64] Loss: 0.3736, Supervised: 3.1736, Unsupervised: 2.4300, Acc: 91.77%

[Epoch 65] Loss: 0.2948, Supervised: 2.9311, Unsupervised: 1.4903, Acc: 92.50%

[Epoch 66] Loss: 0.3760, Supervised: 3.5288, Unsupervised: 2.1107, Acc: 89.79%

[Epoch 67] Loss: 0.2944, Supervised: 2.7109, Unsupervised: 1.7052, Acc: 92.60%

[Epoch 68] Loss: 0.2972, Supervised: 2.7296, Unsupervised: 1.7282, Acc: 92.60%

[Epoch 69] Loss: 0.3276, Supervised: 3.1414, Unsupervised: 1.7721, Acc: 92.08%

[Epoch 70] Loss: 0.3533, Supervised: 3.3990, Unsupervised: 1.9002, Acc: 92.40%

[Epoch 71] Loss: 0.2753, Supervised: 2.3940, Unsupervised: 1.7353, Acc: 93.33%

[Epoch 72] Loss: 0.2850, Supervised: 2.5463, Unsupervised: 1.7283, Acc: 93.44%

[Epoch 73] Loss: 0.3549, Supervised: 3.4439, Unsupervised: 1.8794, Acc: 91.04%

[Epoch 74] Loss: 0.3603, Supervised: 2.8923, Unsupervised: 2.5125, Acc: 92.29%

[Epoch 75] Loss: 0.3252, Supervised: 2.3361, Unsupervised: 2.5425, Acc: 94.06%

[Epoch 76] Loss: 0.2976, Supervised: 2.5505, Unsupervised: 1.9136, Acc: 94.17%

[Epoch 77] Loss: 0.2586, Supervised: 2.1680, Unsupervised: 1.7111, Acc: 94.69%

[Epoch 78] Loss: 0.2521, Supervised: 2.1518, Unsupervised: 1.6300, Acc: 94.48%

[Epoch 79] Loss: 0.2922, Supervised: 2.4716, Unsupervised: 1.9121, Acc: 93.65%

[Epoch 80] Loss: 0.3204, Supervised: 2.8083, Unsupervised: 1.9979, Acc: 92.92%

[Epoch 81] Loss: 0.2721, Supervised: 2.4947, Unsupervised: 1.5875, Acc: 93.54%

[Epoch 82] Loss: 0.3129, Supervised: 2.5145, Unsupervised: 2.1794, Acc: 93.96%

[Epoch 83] Loss: 0.3026, Supervised: 2.4560, Unsupervised: 2.0827, Acc: 93.54%

[Epoch 84] Loss: 0.2027, Supervised: 1.9064, Unsupervised: 1.1347, Acc: 95.31%

[Epoch 85] Loss: 0.2297, Supervised: 1.8954, Unsupervised: 1.5497, Acc: 95.31%

[Epoch 86] Loss: 0.2469, Supervised: 1.6918, Unsupervised: 2.0118, Acc: 95.94%

[Epoch 87] Loss: 0.2935, Supervised: 2.5577, Unsupervised: 1.8450, Acc: 93.96%

[Epoch 88] Loss: 0.3266, Supervised: 2.6361, Unsupervised: 2.2625, Acc: 93.33%

[Epoch 89] Loss: 0.2471, Supervised: 1.9879, Unsupervised: 1.7182, Acc: 95.21%

[Epoch 90] Loss: 0.2261, Supervised: 1.7006, Unsupervised: 1.6916, Acc: 95.42%

[Epoch 91] Loss: 0.2036, Supervised: 1.6706, Unsupervised: 1.3830, Acc: 96.35%

[Epoch 92] Loss: 0.2510, Supervised: 1.8654, Unsupervised: 1.8989, Acc: 95.42%

[Epoch 93] Loss: 0.3268, Supervised: 2.7571, Unsupervised: 2.1442, Acc: 93.02%

[Epoch 94] Loss: 0.2620, Supervised: 2.1726, Unsupervised: 1.7567, Acc: 94.27%

[Epoch 95] Loss: 0.2367, Supervised: 2.4040, Unsupervised: 1.1466, Acc: 94.06%

[Epoch 96] Loss: 0.2203, Supervised: 1.7394, Unsupervised: 1.5650, Acc: 95.10%

[Epoch 97] Loss: 0.2311, Supervised: 1.4983, Unsupervised: 1.9676, Acc: 96.46%

[Epoch 98] Loss: 0.2674, Supervised: 1.6698, Unsupervised: 2.3414, Acc: 96.77%

[Epoch 99] Loss: 0.2373, Supervised: 1.7411, Unsupervised: 1.8179, Acc: 95.21%

[Epoch 100] Loss: 0.2445, Supervised: 2.0564, Unsupervised: 1.6118, Acc: 95.21%

[Epoch 101] Loss: 0.2401, Supervised: 1.6205, Unsupervised: 1.9803, Acc: 96.35%

[Epoch 102] Loss: 0.2682, Supervised: 1.8032, Unsupervised: 2.2191, Acc: 95.73%

[Epoch 103] Loss: 0.2279, Supervised: 1.7701, Unsupervised: 1.6477, Acc: 95.31%

[Epoch 104] Loss: 0.2163, Supervised: 1.4477, Unsupervised: 1.7973, Acc: 96.88%

[Epoch 105] Loss: 0.2054, Supervised: 1.3688, Unsupervised: 1.7118, Acc: 96.88%

[Epoch 106] Loss: 0.2475, Supervised: 1.8896, Unsupervised: 1.8236, Acc: 95.21%

[Epoch 107] Loss: 0.2958, Supervised: 1.7292, Unsupervised: 2.7080, Acc: 95.52%

[Epoch 108] Loss: 0.2578, Supervised: 2.2024, Unsupervised: 1.6642, Acc: 94.90%

[Epoch 109] Loss: 0.2354, Supervised: 1.8547, Unsupervised: 1.6770, Acc: 95.31%

[Epoch 110] Loss: 0.2507, Supervised: 1.7211, Unsupervised: 2.0387, Acc: 95.31%

[Epoch 111] Loss: 0.2520, Supervised: 1.6367, Unsupervised: 2.1428, Acc: 95.94%

[Epoch 112] Loss: 0.1807, Supervised: 1.1513, Unsupervised: 1.5591, Acc: 97.60%

[Epoch 113] Loss: 0.2322, Supervised: 1.2008, Unsupervised: 2.2822, Acc: 96.88%

[Epoch 114] Loss: 0.2346, Supervised: 1.3412, Unsupervised: 2.1780, Acc: 96.98%

[Epoch 115] Loss: 0.2491, Supervised: 1.8175, Unsupervised: 1.9197, Acc: 95.10%

[Epoch 116] Loss: 0.2292, Supervised: 1.8674, Unsupervised: 1.5703, Acc: 95.73%

[Epoch 117] Loss: 0.1966, Supervised: 1.1593, Unsupervised: 1.7898, Acc: 97.50%

[Epoch 118] Loss: 0.2188, Supervised: 1.0637, Unsupervised: 2.2183, Acc: 97.29%

[Epoch 119] Loss: 0.2754, Supervised: 1.7397, Unsupervised: 2.3916, Acc: 95.94%

[Epoch 120] Loss: 0.2109, Supervised: 1.3951, Unsupervised: 1.7687, Acc: 95.94%

[Epoch 121] Loss: 0.2796, Supervised: 2.0445, Unsupervised: 2.1501, Acc: 94.27%

[Epoch 122] Loss: 0.2311, Supervised: 1.6196, Unsupervised: 1.8470, Acc: 96.56%

[Epoch 123] Loss: 0.2293, Supervised: 1.5038, Unsupervised: 1.9350, Acc: 96.04%

[Epoch 124] Loss: 0.1777, Supervised: 1.1151, Unsupervised: 1.5508, Acc: 97.08%

[Epoch 125] Loss: 0.2365, Supervised: 1.6143, Unsupervised: 1.9331, Acc: 95.94%

[Epoch 126] Loss: 0.2348, Supervised: 1.4795, Unsupervised: 2.0426, Acc: 96.35%

[Epoch 127] Loss: 0.2474, Supervised: 1.4512, Unsupervised: 2.2601, Acc: 96.56%

[Epoch 128] Loss: 0.2576, Supervised: 1.8613, Unsupervised: 2.0021, Acc: 95.42%

[Epoch 129] Loss: 0.2211, Supervised: 1.5393, Unsupervised: 1.7778, Acc: 96.15%

[Epoch 130] Loss: 0.2291, Supervised: 1.3996, Unsupervised: 2.0374, Acc: 96.15%

[Epoch 131] Loss: 0.2207, Supervised: 1.2750, Unsupervised: 2.0358, Acc: 97.19%

[Epoch 132] Loss: 0.2210, Supervised: 0.9491, Unsupervised: 2.3656, Acc: 97.60%

[Epoch 133] Loss: 0.2070, Supervised: 1.1399, Unsupervised: 1.9657, Acc: 96.77%

[Epoch 134] Loss: 0.1866, Supervised: 1.0677, Unsupervised: 1.7314, Acc: 97.60%

[Epoch 135] Loss: 0.1889, Supervised: 0.8812, Unsupervised: 1.9516, Acc: 98.12%

[Epoch 136] Loss: 0.1596, Supervised: 0.9796, Unsupervised: 1.4138, Acc: 97.40%

[Epoch 137] Loss: 0.1929, Supervised: 1.2062, Unsupervised: 1.6867, Acc: 97.71%

[Epoch 138] Loss: 0.1835, Supervised: 1.1394, Unsupervised: 1.6127, Acc: 97.50%

[Epoch 139] Loss: 0.1866, Supervised: 1.0183, Unsupervised: 1.7813, Acc: 98.23%

[Epoch 140] Loss: 0.2138, Supervised: 1.3155, Unsupervised: 1.8908, Acc: 96.15%

[Epoch 141] Loss: 0.2207, Supervised: 0.9643, Unsupervised: 2.3467, Acc: 97.81%

[Epoch 142] Loss: 0.2112, Supervised: 1.2513, Unsupervised: 1.9164, Acc: 97.08%

[Epoch 143] Loss: 0.2012, Supervised: 0.9527, Unsupervised: 2.0647, Acc: 98.23%

[Epoch 144] Loss: 0.2109, Supervised: 1.2740, Unsupervised: 1.8888, Acc: 96.88%

[Epoch 145] Loss: 0.2233, Supervised: 1.1771, Unsupervised: 2.1725, Acc: 96.77%

[Epoch 146] Loss: 0.1838, Supervised: 0.8972, Unsupervised: 1.8598, Acc: 98.54%

[Epoch 147] Loss: 0.2119, Supervised: 1.0538, Unsupervised: 2.1244, Acc: 97.60%

[Epoch 148] Loss: 0.1689, Supervised: 0.9648, Unsupervised: 1.5679, Acc: 97.50%

[Epoch 149] Loss: 0.1734, Supervised: 0.9392, Unsupervised: 1.6612, Acc: 97.60%

[Epoch 150] Loss: 0.2479, Supervised: 1.2824, Unsupervised: 2.4368, Acc: 96.88%

[Epoch 151] Loss: 0.2498, Supervised: 1.7157, Unsupervised: 2.0307, Acc: 96.15%

[Epoch 152] Loss: 0.2029, Supervised: 0.8830, Unsupervised: 2.1606, Acc: 97.71%

[Epoch 153] Loss: 0.2050, Supervised: 0.9621, Unsupervised: 2.1132, Acc: 97.71%

[Epoch 154] Loss: 0.1857, Supervised: 1.2871, Unsupervised: 1.4982, Acc: 97.19%

[Epoch 155] Loss: 0.2424, Supervised: 1.7023, Unsupervised: 1.9338, Acc: 95.52%

[Epoch 156] Loss: 0.2386, Supervised: 1.7263, Unsupervised: 1.8534, Acc: 95.83%

[Epoch 157] Loss: 0.2211, Supervised: 1.3209, Unsupervised: 1.9960, Acc: 96.88%

[Epoch 158] Loss: 0.1761, Supervised: 1.1326, Unsupervised: 1.5085, Acc: 96.88%

[Epoch 159] Loss: 0.1680, Supervised: 1.0573, Unsupervised: 1.4630, Acc: 96.67%

[Epoch 160] Loss: 0.1813, Supervised: 1.1287, Unsupervised: 1.5906, Acc: 97.71%

[Epoch 161] Loss: 0.1772, Supervised: 1.0607, Unsupervised: 1.5968, Acc: 97.60%

[Epoch 162] Loss: 0.2159, Supervised: 1.1972, Unsupervised: 2.0406, Acc: 97.29%

[Epoch 163] Loss: 0.2001, Supervised: 1.5165, Unsupervised: 1.4855, Acc: 96.25%

[Epoch 164] Loss: 0.2296, Supervised: 1.4914, Unsupervised: 1.9527, Acc: 96.67%

[Epoch 165] Loss: 0.1494, Supervised: 0.7730, Unsupervised: 1.4682, Acc: 98.54%

[Epoch 166] Loss: 0.1495, Supervised: 0.7254, Unsupervised: 1.5176, Acc: 98.23%

[Epoch 167] Loss: 0.1908, Supervised: 0.9496, Unsupervised: 1.9119, Acc: 98.02%

[Epoch 168] Loss: 0.1970, Supervised: 0.9293, Unsupervised: 2.0260, Acc: 97.81%

[Epoch 169] Loss: 0.1813, Supervised: 0.7422, Unsupervised: 1.9772, Acc: 98.33%

[Epoch 170] Loss: 0.1822, Supervised: 0.7329, Unsupervised: 2.0002, Acc: 98.33%

[Epoch 171] Loss: 0.1944, Supervised: 0.9982, Unsupervised: 1.9181, Acc: 97.29%

[Epoch 172] Loss: 0.1831, Supervised: 0.7856, Unsupervised: 1.9614, Acc: 98.33%

[Epoch 173] Loss: 0.1509, Supervised: 0.6141, Unsupervised: 1.6500, Acc: 98.75%

[Epoch 174] Loss: 0.1755, Supervised: 0.6879, Unsupervised: 1.9447, Acc: 98.75%

[Epoch 175] Loss: 0.2126, Supervised: 1.2486, Unsupervised: 1.9411, Acc: 96.77%

[Epoch 176] Loss: 0.2348, Supervised: 1.5495, Unsupervised: 1.9725, Acc: 96.25%

[Epoch 177] Loss: 0.1711, Supervised: 1.2268, Unsupervised: 1.3389, Acc: 96.98%

[Epoch 178] Loss: 0.1519, Supervised: 0.6589, Unsupervised: 1.6189, Acc: 98.75%

[Epoch 179] Loss: 0.2210, Supervised: 0.7124, Unsupervised: 2.6025, Acc: 98.23%

[Epoch 180] Loss: 0.2027, Supervised: 0.9285, Unsupervised: 2.1120, Acc: 97.29%

[Epoch 181] Loss: 0.1972, Supervised: 0.9720, Unsupervised: 1.9856, Acc: 97.92%

[Epoch 182] Loss: 0.1731, Supervised: 0.7607, Unsupervised: 1.8365, Acc: 98.44%

[Epoch 183] Loss: 0.1739, Supervised: 1.0764, Unsupervised: 1.5322, Acc: 97.71%

[Epoch 184] Loss: 0.1717, Supervised: 0.9851, Unsupervised: 1.5908, Acc: 97.29%

[Epoch 185] Loss: 0.2014, Supervised: 0.9864, Unsupervised: 2.0353, Acc: 97.40%

[Epoch 186] Loss: 0.1993, Supervised: 1.0750, Unsupervised: 1.9149, Acc: 97.60%

[Epoch 187] Loss: 0.1795, Supervised: 1.0536, Unsupervised: 1.6395, Acc: 97.40%

[Epoch 188] Loss: 0.1776, Supervised: 0.6672, Unsupervised: 1.9961, Acc: 98.33%

[Epoch 189] Loss: 0.1677, Supervised: 0.9522, Unsupervised: 1.5628, Acc: 98.02%

[Epoch 190] Loss: 0.2062, Supervised: 1.0129, Unsupervised: 2.0805, Acc: 97.29%

[Epoch 191] Loss: 0.2000, Supervised: 1.1241, Unsupervised: 1.8766, Acc: 97.50%

[Epoch 192] Loss: 0.1616, Supervised: 0.7027, Unsupervised: 1.7213, Acc: 98.54%

[Epoch 193] Loss: 0.1769, Supervised: 0.8870, Unsupervised: 1.7668, Acc: 98.33%

[Epoch 194] Loss: 0.1515, Supervised: 0.7460, Unsupervised: 1.5261, Acc: 98.12%

[Epoch 195] Loss: 0.1447, Supervised: 0.5985, Unsupervised: 1.5718, Acc: 99.06%

[Epoch 196] Loss: 0.1519, Supervised: 0.6628, Unsupervised: 1.6159, Acc: 98.23%

[Epoch 197] Loss: 0.1808, Supervised: 0.8811, Unsupervised: 1.8305, Acc: 98.44%

[Epoch 198] Loss: 0.2076, Supervised: 1.2557, Unsupervised: 1.8584, Acc: 97.29%

[Epoch 199] Loss: 0.1631, Supervised: 1.0043, Unsupervised: 1.4421, Acc: 97.08%

[Epoch 200] Loss: 0.1648, Supervised: 0.7046, Unsupervised: 1.7676, Acc: 98.33%

[Epoch 201] Loss: 0.1407, Supervised: 0.5925, Unsupervised: 1.5177, Acc: 98.75%

[Epoch 202] Loss: 0.1558, Supervised: 0.5003, Unsupervised: 1.8373, Acc: 99.06%

[Epoch 203] Loss: 0.2275, Supervised: 1.0808, Unsupervised: 2.3311, Acc: 97.60%

[Epoch 204] Loss: 0.1884, Supervised: 0.8626, Unsupervised: 1.9634, Acc: 97.71%

[Epoch 205] Loss: 0.1478, Supervised: 0.8824, Unsupervised: 1.3353, Acc: 98.12%

[Epoch 206] Loss: 0.1803, Supervised: 0.8927, Unsupervised: 1.8112, Acc: 97.50%

[Epoch 207] Loss: 0.1596, Supervised: 0.7515, Unsupervised: 1.6421, Acc: 98.65%

[Epoch 208] Loss: 0.1505, Supervised: 0.6162, Unsupervised: 1.6418, Acc: 98.65%

[Epoch 209] Loss: 0.1563, Supervised: 0.6952, Unsupervised: 1.6486, Acc: 98.44%

[Epoch 210] Loss: 0.2049, Supervised: 1.0776, Unsupervised: 1.9963, Acc: 97.29%

[Epoch 211] Loss: 0.1456, Supervised: 0.8269, Unsupervised: 1.3575, Acc: 98.12%

[Epoch 212] Loss: 0.2043, Supervised: 0.7263, Unsupervised: 2.3383, Acc: 98.02%

[Epoch 213] Loss: 0.1785, Supervised: 0.9758, Unsupervised: 1.7019, Acc: 98.23%

[Epoch 214] Loss: 0.1841, Supervised: 0.9251, Unsupervised: 1.8364, Acc: 97.29%

[Epoch 215] Loss: 0.1467, Supervised: 0.5648, Unsupervised: 1.6355, Acc: 98.54%

[Epoch 216] Loss: 0.1754, Supervised: 0.9111, Unsupervised: 1.7194, Acc: 98.12%

[Epoch 217] Loss: 0.1595, Supervised: 1.0150, Unsupervised: 1.3776, Acc: 97.60%

[Epoch 218] Loss: 0.1806, Supervised: 0.7122, Unsupervised: 1.9971, Acc: 98.33%

[Epoch 219] Loss: 0.1799, Supervised: 0.9863, Unsupervised: 1.7126, Acc: 97.29%

[Epoch 220] Loss: 0.1864, Supervised: 0.5274, Unsupervised: 2.2684, Acc: 98.96%

[Epoch 221] Loss: 0.1944, Supervised: 1.0205, Unsupervised: 1.8948, Acc: 97.19%

[Epoch 222] Loss: 0.1480, Supervised: 0.7107, Unsupervised: 1.5092, Acc: 98.33%

[Epoch 223] Loss: 0.1551, Supervised: 0.7052, Unsupervised: 1.6216, Acc: 98.33%

[Epoch 224] Loss: 0.1681, Supervised: 0.6672, Unsupervised: 1.8538, Acc: 98.75%

[Epoch 225] Loss: 0.2052, Supervised: 0.8251, Unsupervised: 2.2530, Acc: 97.92%

[Epoch 226] Loss: 0.1900, Supervised: 1.0603, Unsupervised: 1.7897, Acc: 97.60%

[Epoch 227] Loss: 0.1343, Supervised: 0.6503, Unsupervised: 1.3648, Acc: 98.85%

[Epoch 228] Loss: 0.1594, Supervised: 0.8107, Unsupervised: 1.5802, Acc: 98.44%

[Epoch 229] Loss: 0.1670, Supervised: 0.6641, Unsupervised: 1.8405, Acc: 98.33%

[Epoch 230] Loss: 0.1535, Supervised: 0.7052, Unsupervised: 1.5980, Acc: 98.44%

[Epoch 231] Loss: 0.1462, Supervised: 0.6527, Unsupervised: 1.5404, Acc: 98.12%

[Epoch 232] Loss: 0.1554, Supervised: 0.9399, Unsupervised: 1.3917, Acc: 98.02%

[Epoch 233] Loss: 0.1523, Supervised: 0.5755, Unsupervised: 1.7088, Acc: 98.75%

[Epoch 234] Loss: 0.1532, Supervised: 0.4971, Unsupervised: 1.8008, Acc: 99.27%

[Epoch 235] Loss: 0.1558, Supervised: 0.6391, Unsupervised: 1.6983, Acc: 98.44%

[Epoch 236] Loss: 0.1624, Supervised: 0.8779, Unsupervised: 1.5576, Acc: 98.12%

[Epoch 237] Loss: 0.1561, Supervised: 0.5721, Unsupervised: 1.7697, Acc: 98.85%

[Epoch 238] Loss: 0.1641, Supervised: 0.6730, Unsupervised: 1.7879, Acc: 98.44%

[Epoch 239] Loss: 0.1447, Supervised: 0.7668, Unsupervised: 1.4042, Acc: 97.50%

[Epoch 240] Loss: 0.1684, Supervised: 0.7337, Unsupervised: 1.7918, Acc: 98.44%

[Epoch 241] Loss: 0.1530, Supervised: 0.4026, Unsupervised: 1.8925, Acc: 99.27%

[Epoch 242] Loss: 0.1165, Supervised: 0.3779, Unsupervised: 1.3699, Acc: 99.38%

[Epoch 243] Loss: 0.1560, Supervised: 0.5399, Unsupervised: 1.7996, Acc: 99.06%

[Epoch 244] Loss: 0.1587, Supervised: 0.6566, Unsupervised: 1.7237, Acc: 98.65%

[Epoch 245] Loss: 0.1543, Supervised: 0.5957, Unsupervised: 1.7187, Acc: 98.54%

[Epoch 246] Loss: 0.1540, Supervised: 0.3780, Unsupervised: 1.9316, Acc: 99.27%

[Epoch 247] Loss: 0.1231, Supervised: 0.5298, Unsupervised: 1.3173, Acc: 99.17%

[Epoch 248] Loss: 0.2068, Supervised: 0.8494, Unsupervised: 2.2532, Acc: 97.92%

[Epoch 249] Loss: 0.1816, Supervised: 0.7833, Unsupervised: 1.9404, Acc: 98.23%

[Epoch 250] Loss: 0.1579, Supervised: 0.6289, Unsupervised: 1.7398, Acc: 98.65%

[Epoch 251] Loss: 0.1429, Supervised: 0.5939, Unsupervised: 1.5498, Acc: 98.75%

[Epoch 252] Loss: 0.1012, Supervised: 0.3404, Unsupervised: 1.1778, Acc: 99.38%

[Epoch 253] Loss: 0.1077, Supervised: 0.2698, Unsupervised: 1.3463, Acc: 99.69%

[Epoch 254] Loss: 0.1453, Supervised: 0.5123, Unsupervised: 1.6679, Acc: 98.75%

[Epoch 255] Loss: 0.1848, Supervised: 0.7836, Unsupervised: 1.9883, Acc: 98.33%

[Epoch 256] Loss: 0.1599, Supervised: 0.8379, Unsupervised: 1.5611, Acc: 98.23%

[Epoch 257] Loss: 0.1761, Supervised: 0.8766, Unsupervised: 1.7649, Acc: 97.81%

[Epoch 258] Loss: 0.1467, Supervised: 0.8341, Unsupervised: 1.3661, Acc: 97.92%

[Epoch 259] Loss: 0.1548, Supervised: 0.6848, Unsupervised: 1.6371, Acc: 98.54%

[Epoch 260] Loss: 0.1594, Supervised: 0.4044, Unsupervised: 1.9861, Acc: 99.38%

[Epoch 261] Loss: 0.1522, Supervised: 0.5247, Unsupervised: 1.7583, Acc: 98.85%

[Epoch 262] Loss: 0.1527, Supervised: 0.5115, Unsupervised: 1.7792, Acc: 98.75%

[Epoch 263] Loss: 0.1893, Supervised: 0.7187, Unsupervised: 2.1203, Acc: 98.33%

[Epoch 264] Loss: 0.1782, Supervised: 0.9384, Unsupervised: 1.7340, Acc: 97.60%

[Epoch 265] Loss: 0.1844, Supervised: 0.6931, Unsupervised: 2.0727, Acc: 98.75%

[Epoch 266] Loss: 0.1413, Supervised: 0.5829, Unsupervised: 1.5368, Acc: 98.65%

[Epoch 267] Loss: 0.1495, Supervised: 0.4755, Unsupervised: 1.7665, Acc: 98.85%

[Epoch 268] Loss: 0.1748, Supervised: 0.7402, Unsupervised: 1.8816, Acc: 98.44%

[Epoch 269] Loss: 0.1869, Supervised: 0.8139, Unsupervised: 1.9898, Acc: 98.65%

[Epoch 270] Loss: 0.1541, Supervised: 0.5553, Unsupervised: 1.7563, Acc: 99.06%

[Epoch 271] Loss: 0.1489, Supervised: 0.7303, Unsupervised: 1.5035, Acc: 98.44%

[Epoch 272] Loss: 0.1697, Supervised: 0.5599, Unsupervised: 1.9851, Acc: 99.17%

[Epoch 273] Loss: 0.1597, Supervised: 0.5457, Unsupervised: 1.8503, Acc: 98.54%

[Epoch 274] Loss: 0.1623, Supervised: 0.4002, Unsupervised: 2.0339, Acc: 99.17%

[Epoch 275] Loss: 0.1698, Supervised: 0.6064, Unsupervised: 1.9406, Acc: 98.54%

[Epoch 276] Loss: 0.1468, Supervised: 0.5280, Unsupervised: 1.6735, Acc: 98.96%

[Epoch 277] Loss: 0.1392, Supervised: 0.5108, Unsupervised: 1.5769, Acc: 98.75%

[Epoch 278] Loss: 0.1834, Supervised: 0.7488, Unsupervised: 2.0027, Acc: 98.23%

[Epoch 279] Loss: 0.2013, Supervised: 1.0852, Unsupervised: 1.9338, Acc: 97.50%

[Epoch 280] Loss: 0.1459, Supervised: 0.5481, Unsupervised: 1.6401, Acc: 98.75%

[Epoch 281] Loss: 0.1061, Supervised: 0.3594, Unsupervised: 1.2317, Acc: 99.58%

[Epoch 282] Loss: 0.1417, Supervised: 0.3329, Unsupervised: 1.7930, Acc: 99.69%

[Epoch 283] Loss: 0.1313, Supervised: 0.4470, Unsupervised: 1.5232, Acc: 99.38%

[Epoch 284] Loss: 0.1294, Supervised: 0.5482, Unsupervised: 1.3930, Acc: 98.65%

[Epoch 285] Loss: 0.1325, Supervised: 0.4126, Unsupervised: 1.5744, Acc: 98.96%

[Epoch 286] Loss: 0.1572, Supervised: 0.4836, Unsupervised: 1.8743, Acc: 99.06%

[Epoch 287] Loss: 0.1599, Supervised: 0.5456, Unsupervised: 1.8534, Acc: 98.75%

[Epoch 288] Loss: 0.1278, Supervised: 0.6187, Unsupervised: 1.2987, Acc: 98.65%

[Epoch 289] Loss: 0.1568, Supervised: 0.6699, Unsupervised: 1.6822, Acc: 98.75%

[Epoch 290] Loss: 0.1973, Supervised: 0.6853, Unsupervised: 2.2745, Acc: 98.02%

[Epoch 291] Loss: 0.1635, Supervised: 0.7997, Unsupervised: 1.6531, Acc: 98.33%

[Epoch 292] Loss: 0.1438, Supervised: 0.5705, Unsupervised: 1.5861, Acc: 99.06%

[Epoch 293] Loss: 0.1439, Supervised: 0.3777, Unsupervised: 1.7810, Acc: 99.27%

[Epoch 294] Loss: 0.1413, Supervised: 0.5740, Unsupervised: 1.5449, Acc: 98.75%

[Epoch 295] Loss: 0.1652, Supervised: 0.3820, Unsupervised: 2.0963, Acc: 99.38%

[Epoch 296] Loss: 0.1628, Supervised: 0.5183, Unsupervised: 1.9232, Acc: 99.27%

[Epoch 297] Loss: 0.1827, Supervised: 0.5483, Unsupervised: 2.1919, Acc: 98.75%

[Epoch 298] Loss: 0.1556, Supervised: 0.7463, Unsupervised: 1.5874, Acc: 98.33%

[Epoch 299] Loss: 0.1298, Supervised: 0.5684, Unsupervised: 1.3790, Acc: 98.96%

[Epoch 300] Loss: 0.1523, Supervised: 0.5368, Unsupervised: 1.7477, Acc: 98.96%

[Epoch 301] Loss: 0.1550, Supervised: 0.7830, Unsupervised: 1.5423, Acc: 97.81%

[Epoch 302] Loss: 0.1709, Supervised: 0.7286, Unsupervised: 1.8355, Acc: 98.44%

[Epoch 303] Loss: 0.1980, Supervised: 0.7992, Unsupervised: 2.1707, Acc: 98.12%

[Epoch 304] Loss: 0.1575, Supervised: 0.7862, Unsupervised: 1.5770, Acc: 98.02%

[Epoch 305] Loss: 0.1358, Supervised: 0.4575, Unsupervised: 1.5800, Acc: 99.27%

[Epoch 306] Loss: 0.1344, Supervised: 0.5741, Unsupervised: 1.4415, Acc: 99.06%

[Epoch 307] Loss: 0.1203, Supervised: 0.3694, Unsupervised: 1.4356, Acc: 99.38%

[Epoch 308] Loss: 0.1484, Supervised: 0.5995, Unsupervised: 1.6261, Acc: 98.85%

[Epoch 309] Loss: 0.1050, Supervised: 0.5343, Unsupervised: 1.0401, Acc: 98.75%

[Epoch 310] Loss: 0.1585, Supervised: 0.7778, Unsupervised: 1.5994, Acc: 98.33%

[Epoch 311] Loss: 0.1783, Supervised: 1.0185, Unsupervised: 1.6553, Acc: 97.60%

[Epoch 312] Loss: 0.1702, Supervised: 0.4217, Unsupervised: 2.1307, Acc: 99.17%

[Epoch 313] Loss: 0.1593, Supervised: 0.5716, Unsupervised: 1.8181, Acc: 98.85%

[Epoch 314] Loss: 0.1422, Supervised: 0.4438, Unsupervised: 1.6891, Acc: 99.06%

[Epoch 315] Loss: 0.1698, Supervised: 0.5935, Unsupervised: 1.9529, Acc: 98.75%

[Epoch 316] Loss: 0.1257, Supervised: 0.4591, Unsupervised: 1.4266, Acc: 99.17%

[Epoch 317] Loss: 0.1463, Supervised: 0.4930, Unsupervised: 1.7019, Acc: 98.96%

[Epoch 318] Loss: 0.1106, Supervised: 0.3657, Unsupervised: 1.2936, Acc: 99.38%

[Epoch 319] Loss: 0.1279, Supervised: 0.4354, Unsupervised: 1.4831, Acc: 99.27%

[Epoch 320] Loss: 0.1387, Supervised: 0.3315, Unsupervised: 1.7488, Acc: 99.58%

[Epoch 321] Loss: 0.1158, Supervised: 0.4049, Unsupervised: 1.3326, Acc: 98.96%

[Epoch 322] Loss: 0.1489, Supervised: 0.3809, Unsupervised: 1.8519, Acc: 99.48%

[Epoch 323] Loss: 0.1715, Supervised: 0.7485, Unsupervised: 1.8240, Acc: 98.44%

[Epoch 324] Loss: 0.1550, Supervised: 0.5496, Unsupervised: 1.7751, Acc: 98.85%

[Epoch 325] Loss: 0.1452, Supervised: 0.6549, Unsupervised: 1.5232, Acc: 98.33%

[Epoch 326] Loss: 0.1483, Supervised: 0.8236, Unsupervised: 1.4011, Acc: 98.23%

[Epoch 327] Loss: 0.1678, Supervised: 0.8182, Unsupervised: 1.6984, Acc: 98.33%

[Epoch 328] Loss: 0.1420, Supervised: 0.3548, Unsupervised: 1.7748, Acc: 99.27%

[Epoch 329] Loss: 0.1403, Supervised: 0.6001, Unsupervised: 1.5046, Acc: 98.54%

[Epoch 330] Loss: 0.1611, Supervised: 0.4849, Unsupervised: 1.9316, Acc: 98.96%

[Epoch 331] Loss: 0.1604, Supervised: 0.5976, Unsupervised: 1.8085, Acc: 98.96%

[Epoch 332] Loss: 0.1841, Supervised: 0.6794, Unsupervised: 2.0820, Acc: 98.23%

[Epoch 333] Loss: 0.1533, Supervised: 0.8046, Unsupervised: 1.4943, Acc: 97.92%

[Epoch 334] Loss: 0.1768, Supervised: 0.3494, Unsupervised: 2.3019, Acc: 99.58%

[Epoch 335] Loss: 0.1447, Supervised: 0.4284, Unsupervised: 1.7429, Acc: 98.96%

[Epoch 336] Loss: 0.1096, Supervised: 0.2808, Unsupervised: 1.3626, Acc: 99.58%

[Epoch 337] Loss: 0.1380, Supervised: 0.3514, Unsupervised: 1.7189, Acc: 99.27%

[Epoch 338] Loss: 0.1187, Supervised: 0.5288, Unsupervised: 1.2520, Acc: 98.75%

[Epoch 339] Loss: 0.1402, Supervised: 0.5555, Unsupervised: 1.5475, Acc: 98.33%

[Epoch 340] Loss: 0.1371, Supervised: 0.4196, Unsupervised: 1.6371, Acc: 99.27%

[Epoch 341] Loss: 0.1455, Supervised: 0.3518, Unsupervised: 1.8310, Acc: 99.17%

[Epoch 342] Loss: 0.1394, Supervised: 0.4440, Unsupervised: 1.6474, Acc: 99.06%

[Epoch 343] Loss: 0.1355, Supervised: 0.3608, Unsupervised: 1.6724, Acc: 99.27%

[Epoch 344] Loss: 0.1013, Supervised: 0.3129, Unsupervised: 1.2059, Acc: 99.27%

[Epoch 345] Loss: 0.1436, Supervised: 0.3807, Unsupervised: 1.7730, Acc: 99.38%

[Epoch 346] Loss: 0.1525, Supervised: 0.4655, Unsupervised: 1.8224, Acc: 99.06%

[Epoch 347] Loss: 0.1337, Supervised: 0.4321, Unsupervised: 1.5728, Acc: 98.85%

[Epoch 348] Loss: 0.1315, Supervised: 0.4884, Unsupervised: 1.4841, Acc: 99.06%

[Epoch 349] Loss: 0.0966, Supervised: 0.2693, Unsupervised: 1.1804, Acc: 99.38%

[Epoch 350] Loss: 0.1266, Supervised: 0.3602, Unsupervised: 1.5385, Acc: 99.17%

[Epoch 351] Loss: 0.1229, Supervised: 0.4343, Unsupervised: 1.4095, Acc: 98.85%

[Epoch 352] Loss: 0.1358, Supervised: 0.5360, Unsupervised: 1.5006, Acc: 99.06%

[Epoch 353] Loss: 0.1314, Supervised: 0.4911, Unsupervised: 1.4798, Acc: 98.85%

[Epoch 354] Loss: 0.1208, Supervised: 0.5596, Unsupervised: 1.2524, Acc: 98.75%

[Epoch 355] Loss: 0.1377, Supervised: 0.4075, Unsupervised: 1.6574, Acc: 99.27%

[Epoch 356] Loss: 0.1387, Supervised: 0.5486, Unsupervised: 1.5319, Acc: 98.75%

[Epoch 357] Loss: 0.1161, Supervised: 0.3939, Unsupervised: 1.3475, Acc: 99.69%

[Epoch 358] Loss: 0.1062, Supervised: 0.3032, Unsupervised: 1.2890, Acc: 99.58%

[Epoch 359] Loss: 0.1430, Supervised: 0.1807, Unsupervised: 1.9639, Acc: 99.58%

[Epoch 360] Loss: 0.1291, Supervised: 0.4730, Unsupervised: 1.4628, Acc: 99.38%

[Epoch 361] Loss: 0.1105, Supervised: 0.3644, Unsupervised: 1.2938, Acc: 99.17%

[Epoch 362] Loss: 0.1065, Supervised: 0.4764, Unsupervised: 1.1204, Acc: 99.06%

[Epoch 363] Loss: 0.1339, Supervised: 0.3541, Unsupervised: 1.6537, Acc: 99.27%

[Epoch 364] Loss: 0.1326, Supervised: 0.4401, Unsupervised: 1.5491, Acc: 99.17%

[Epoch 365] Loss: 0.1455, Supervised: 0.3545, Unsupervised: 1.8288, Acc: 99.48%

[Epoch 366] Loss: 0.1301, Supervised: 0.3366, Unsupervised: 1.6148, Acc: 99.27%

[Epoch 367] Loss: 0.1629, Supervised: 0.5449, Unsupervised: 1.8986, Acc: 98.65%

[Epoch 368] Loss: 0.1235, Supervised: 0.3336, Unsupervised: 1.5184, Acc: 99.69%

[Epoch 369] Loss: 0.1079, Supervised: 0.3042, Unsupervised: 1.3139, Acc: 99.38%

[Epoch 370] Loss: 0.1616, Supervised: 0.4031, Unsupervised: 2.0209, Acc: 98.75%

[Epoch 371] Loss: 0.1418, Supervised: 0.6079, Unsupervised: 1.5192, Acc: 98.54%

[Epoch 372] Loss: 0.1280, Supervised: 0.5047, Unsupervised: 1.4146, Acc: 99.17%

[Epoch 373] Loss: 0.1302, Supervised: 0.6064, Unsupervised: 1.3471, Acc: 98.85%

[Epoch 374] Loss: 0.1540, Supervised: 0.5101, Unsupervised: 1.8003, Acc: 98.96%

[Epoch 375] Loss: 0.1481, Supervised: 0.3741, Unsupervised: 1.8479, Acc: 99.48%

[Epoch 376] Loss: 0.1089, Supervised: 0.4666, Unsupervised: 1.1665, Acc: 98.75%

[Epoch 377] Loss: 0.1477, Supervised: 0.6130, Unsupervised: 1.6031, Acc: 98.85%

[Epoch 378] Loss: 0.1546, Supervised: 0.3412, Unsupervised: 1.9785, Acc: 99.38%

[Epoch 379] Loss: 0.1813, Supervised: 0.4175, Unsupervised: 2.3015, Acc: 99.17%

[Epoch 380] Loss: 0.1513, Supervised: 0.6586, Unsupervised: 1.6104, Acc: 98.44%

[Epoch 381] Loss: 0.1536, Supervised: 0.5197, Unsupervised: 1.7846, Acc: 99.27%

[Epoch 382] Loss: 0.1396, Supervised: 0.5491, Unsupervised: 1.5454, Acc: 99.17%

[Epoch 383] Loss: 0.1273, Supervised: 0.5051, Unsupervised: 1.4038, Acc: 98.96%

[Epoch 384] Loss: 0.1432, Supervised: 0.5705, Unsupervised: 1.5779, Acc: 98.75%

[Epoch 385] Loss: 0.1574, Supervised: 0.3983, Unsupervised: 1.9623, Acc: 98.96%

[Epoch 386] Loss: 0.1396, Supervised: 0.6515, Unsupervised: 1.4426, Acc: 98.54%

[Epoch 387] Loss: 0.0942, Supervised: 0.3713, Unsupervised: 1.0419, Acc: 99.27%

[Epoch 388] Loss: 0.1085, Supervised: 0.2891, Unsupervised: 1.3381, Acc: 99.48%

[Epoch 389] Loss: 0.1468, Supervised: 0.4660, Unsupervised: 1.7359, Acc: 98.85%

[Epoch 390] Loss: 0.1430, Supervised: 0.5476, Unsupervised: 1.5979, Acc: 98.65%

[Epoch 391] Loss: 0.1365, Supervised: 0.5535, Unsupervised: 1.4936, Acc: 98.96%

[Epoch 392] Loss: 0.1584, Supervised: 0.4682, Unsupervised: 1.9080, Acc: 99.17%

[Epoch 393] Loss: 0.1742, Supervised: 0.9092, Unsupervised: 1.7041, Acc: 98.02%

[Epoch 394] Loss: 0.1474, Supervised: 0.4207, Unsupervised: 1.7909, Acc: 99.38%

[Epoch 395] Loss: 0.1481, Supervised: 0.7355, Unsupervised: 1.4856, Acc: 98.23%

[Epoch 396] Loss: 0.1265, Supervised: 0.5333, Unsupervised: 1.3645, Acc: 98.65%

[Epoch 397] Loss: 0.1131, Supervised: 0.4852, Unsupervised: 1.2114, Acc: 98.65%

[Epoch 398] Loss: 0.0897, Supervised: 0.3657, Unsupervised: 0.9805, Acc: 99.27%

[Epoch 399] Loss: 0.1522, Supervised: 0.2846, Unsupervised: 1.9985, Acc: 99.58%

[Epoch 400] Loss: 0.1471, Supervised: 0.4130, Unsupervised: 1.7933, Acc: 98.96%

[Epoch 401] Loss: 0.1283, Supervised: 0.5880, Unsupervised: 1.3371, Acc: 98.75%

[Epoch 402] Loss: 0.1230, Supervised: 0.2239, Unsupervised: 1.6216, Acc: 99.69%

[Epoch 403] Loss: 0.1251, Supervised: 0.3448, Unsupervised: 1.5314, Acc: 99.58%

[Epoch 404] Loss: 0.1440, Supervised: 0.4262, Unsupervised: 1.7331, Acc: 99.06%

[Epoch 405] Loss: 0.1611, Supervised: 0.4046, Unsupervised: 2.0111, Acc: 99.17%

[Epoch 406] Loss: 0.1346, Supervised: 0.4917, Unsupervised: 1.5268, Acc: 98.75%

[Epoch 407] Loss: 0.1159, Supervised: 0.4782, Unsupervised: 1.2602, Acc: 98.96%

[Epoch 408] Loss: 0.1436, Supervised: 0.4987, Unsupervised: 1.6551, Acc: 98.85%

[Epoch 409] Loss: 0.1265, Supervised: 0.3805, Unsupervised: 1.5165, Acc: 99.17%

[Epoch 410] Loss: 0.1388, Supervised: 0.4414, Unsupervised: 1.6406, Acc: 99.17%

[Epoch 411] Loss: 0.1515, Supervised: 0.6925, Unsupervised: 1.5795, Acc: 98.02%

[Epoch 412] Loss: 0.1208, Supervised: 0.6399, Unsupervised: 1.1723, Acc: 98.85%

[Epoch 413] Loss: 0.1309, Supervised: 0.4745, Unsupervised: 1.4888, Acc: 99.06%

[Epoch 414] Loss: 0.1262, Supervised: 0.4485, Unsupervised: 1.4443, Acc: 98.85%

[Epoch 415] Loss: 0.1368, Supervised: 0.4560, Unsupervised: 1.5959, Acc: 98.96%

[Epoch 416] Loss: 0.1382, Supervised: 0.2994, Unsupervised: 1.7729, Acc: 99.38%

[Epoch 417] Loss: 0.1065, Supervised: 0.4104, Unsupervised: 1.1870, Acc: 99.38%

[Epoch 418] Loss: 0.1296, Supervised: 0.2508, Unsupervised: 1.6931, Acc: 99.69%

[Epoch 419] Loss: 0.1092, Supervised: 0.2591, Unsupervised: 1.3783, Acc: 99.48%

[Epoch 420] Loss: 0.1195, Supervised: 0.3325, Unsupervised: 1.4604, Acc: 99.48%

[Epoch 421] Loss: 0.1202, Supervised: 0.4859, Unsupervised: 1.3165, Acc: 98.75%

[Epoch 422] Loss: 0.1271, Supervised: 0.4336, Unsupervised: 1.4735, Acc: 98.85%

[Epoch 423] Loss: 0.1302, Supervised: 0.4966, Unsupervised: 1.4561, Acc: 98.65%

[Epoch 424] Loss: 0.1355, Supervised: 0.3722, Unsupervised: 1.6611, Acc: 99.27%

[Epoch 425] Loss: 0.1102, Supervised: 0.3930, Unsupervised: 1.2602, Acc: 99.17%

[Epoch 426] Loss: 0.1300, Supervised: 0.3061, Unsupervised: 1.6435, Acc: 99.58%

[Epoch 427] Loss: 0.1568, Supervised: 0.4004, Unsupervised: 1.9523, Acc: 99.17%

[Epoch 428] Loss: 0.1375, Supervised: 0.4004, Unsupervised: 1.6626, Acc: 99.06%

[Epoch 429] Loss: 0.1638, Supervised: 0.7067, Unsupervised: 1.7501, Acc: 98.65%

[Epoch 430] Loss: 0.1220, Supervised: 0.5051, Unsupervised: 1.3242, Acc: 98.75%

[Epoch 431] Loss: 0.1436, Supervised: 0.4047, Unsupervised: 1.7494, Acc: 99.27%

[Epoch 432] Loss: 0.1267, Supervised: 0.3377, Unsupervised: 1.5623, Acc: 99.38%

[Epoch 433] Loss: 0.1248, Supervised: 0.3387, Unsupervised: 1.5326, Acc: 99.17%

[Epoch 434] Loss: 0.1646, Supervised: 0.3550, Unsupervised: 2.1134, Acc: 99.38%

[Epoch 435] Loss: 0.1315, Supervised: 0.4127, Unsupervised: 1.5600, Acc: 99.17%

[Epoch 436] Loss: 0.1170, Supervised: 0.3953, Unsupervised: 1.3600, Acc: 99.69%

[Epoch 437] Loss: 0.1160, Supervised: 0.3095, Unsupervised: 1.4308, Acc: 99.38%

[Epoch 438] Loss: 0.1079, Supervised: 0.3040, Unsupervised: 1.3147, Acc: 99.79%

[Epoch 439] Loss: 0.1104, Supervised: 0.3502, Unsupervised: 1.3060, Acc: 99.38%

[Epoch 440] Loss: 0.0980, Supervised: 0.2587, Unsupervised: 1.2110, Acc: 99.58%

[Epoch 441] Loss: 0.1531, Supervised: 0.6101, Unsupervised: 1.6868, Acc: 98.85%

[Epoch 442] Loss: 0.1410, Supervised: 0.4554, Unsupervised: 1.6599, Acc: 98.96%

[Epoch 443] Loss: 0.1133, Supervised: 0.4422, Unsupervised: 1.2572, Acc: 99.48%

[Epoch 444] Loss: 0.1306, Supervised: 0.6054, Unsupervised: 1.3533, Acc: 98.54%

[Epoch 445] Loss: 0.1300, Supervised: 0.4667, Unsupervised: 1.4832, Acc: 98.96%

[Epoch 446] Loss: 0.1388, Supervised: 0.5938, Unsupervised: 1.4879, Acc: 98.44%

[Epoch 447] Loss: 0.1545, Supervised: 0.4637, Unsupervised: 1.8545, Acc: 98.65%

[Epoch 448] Loss: 0.1296, Supervised: 0.6200, Unsupervised: 1.3234, Acc: 98.54%

[Epoch 449] Loss: 0.1520, Supervised: 0.5548, Unsupervised: 1.7253, Acc: 98.75%

[Epoch 450] Loss: 0.1321, Supervised: 0.3908, Unsupervised: 1.5908, Acc: 99.06%

[Epoch 451] Loss: 0.1367, Supervised: 0.4815, Unsupervised: 1.5691, Acc: 99.27%

[Epoch 452] Loss: 0.1280, Supervised: 0.3922, Unsupervised: 1.5273, Acc: 99.48%

[Epoch 453] Loss: 0.1197, Supervised: 0.6289, Unsupervised: 1.1664, Acc: 98.75%

[Epoch 454] Loss: 0.1204, Supervised: 0.2612, Unsupervised: 1.5442, Acc: 99.48%

[Epoch 455] Loss: 0.1037, Supervised: 0.3380, Unsupervised: 1.2169, Acc: 99.27%

[Epoch 456] Loss: 0.1260, Supervised: 0.4219, Unsupervised: 1.4678, Acc: 99.17%

[Epoch 457] Loss: 0.1636, Supervised: 0.4235, Unsupervised: 2.0307, Acc: 99.17%

[Epoch 458] Loss: 0.1159, Supervised: 0.4543, Unsupervised: 1.2845, Acc: 98.75%

[Epoch 459] Loss: 0.1335, Supervised: 0.3712, Unsupervised: 1.6314, Acc: 99.17%

[Epoch 460] Loss: 0.1257, Supervised: 0.2796, Unsupervised: 1.6053, Acc: 99.79%

[Epoch 461] Loss: 0.1371, Supervised: 0.3388, Unsupervised: 1.7173, Acc: 99.27%

[Epoch 462] Loss: 0.1616, Supervised: 0.5797, Unsupervised: 1.8439, Acc: 98.85%

[Epoch 463] Loss: 0.1015, Supervised: 0.3221, Unsupervised: 1.2003, Acc: 99.58%

[Epoch 464] Loss: 0.1231, Supervised: 0.3655, Unsupervised: 1.4804, Acc: 99.17%

[Epoch 465] Loss: 0.1234, Supervised: 0.3862, Unsupervised: 1.4648, Acc: 99.06%

[Epoch 466] Loss: 0.1483, Supervised: 0.4967, Unsupervised: 1.7280, Acc: 99.06%

[Epoch 467] Loss: 0.1488, Supervised: 0.7698, Unsupervised: 1.4629, Acc: 98.33%

[Epoch 468] Loss: 0.1295, Supervised: 0.4704, Unsupervised: 1.4715, Acc: 98.96%

[Epoch 469] Loss: 0.1310, Supervised: 0.3864, Unsupervised: 1.5782, Acc: 99.06%

[Epoch 470] Loss: 0.1316, Supervised: 0.5021, Unsupervised: 1.4724, Acc: 98.85%

[Epoch 471] Loss: 0.1701, Supervised: 0.3885, Unsupervised: 2.1634, Acc: 98.96%

[Epoch 472] Loss: 0.1147, Supervised: 0.4975, Unsupervised: 1.2233, Acc: 98.75%

[Epoch 473] Loss: 0.1184, Supervised: 0.4315, Unsupervised: 1.3450, Acc: 99.17%

[Epoch 474] Loss: 0.1248, Supervised: 0.4073, Unsupervised: 1.4653, Acc: 99.48%

[Epoch 475] Loss: 0.1304, Supervised: 0.2694, Unsupervised: 1.6868, Acc: 99.48%

[Epoch 476] Loss: 0.1186, Supervised: 0.3413, Unsupervised: 1.4375, Acc: 99.27%

[Epoch 477] Loss: 0.1312, Supervised: 0.3424, Unsupervised: 1.6257, Acc: 99.38%

[Epoch 478] Loss: 0.1080, Supervised: 0.2859, Unsupervised: 1.3345, Acc: 99.58%

[Epoch 479] Loss: 0.1380, Supervised: 0.4261, Unsupervised: 1.6437, Acc: 99.06%

[Epoch 480] Loss: 0.1197, Supervised: 0.4192, Unsupervised: 1.3760, Acc: 99.06%

[Epoch 481] Loss: 0.1231, Supervised: 0.4180, Unsupervised: 1.4292, Acc: 98.96%

[Epoch 482] Loss: 0.1075, Supervised: 0.4101, Unsupervised: 1.2019, Acc: 99.27%

[Epoch 483] Loss: 0.1379, Supervised: 0.3084, Unsupervised: 1.7602, Acc: 99.27%

[Epoch 484] Loss: 0.1618, Supervised: 0.4975, Unsupervised: 1.9301, Acc: 99.06%

[Epoch 485] Loss: 0.1254, Supervised: 0.3744, Unsupervised: 1.5060, Acc: 99.38%

[Epoch 486] Loss: 0.1526, Supervised: 0.6804, Unsupervised: 1.6079, Acc: 98.75%

[Epoch 487] Loss: 0.1302, Supervised: 0.4965, Unsupervised: 1.4573, Acc: 99.27%

[Epoch 488] Loss: 0.1276, Supervised: 0.4355, Unsupervised: 1.4790, Acc: 98.96%

[Epoch 489] Loss: 0.1731, Supervised: 0.7004, Unsupervised: 1.8965, Acc: 98.75%

[Epoch 490] Loss: 0.1306, Supervised: 0.6508, Unsupervised: 1.3079, Acc: 98.65%

[Epoch 491] Loss: 0.1172, Supervised: 0.2227, Unsupervised: 1.5346, Acc: 99.69%

[Epoch 492] Loss: 0.1535, Supervised: 0.3946, Unsupervised: 1.9086, Acc: 99.06%

[Epoch 493] Loss: 0.1245, Supervised: 0.3727, Unsupervised: 1.4954, Acc: 99.27%

[Epoch 494] Loss: 0.1179, Supervised: 0.7054, Unsupervised: 1.0633, Acc: 98.02%

[Epoch 495] Loss: 0.1201, Supervised: 0.3959, Unsupervised: 1.4058, Acc: 99.27%

[Epoch 496] Loss: 0.1345, Supervised: 0.3467, Unsupervised: 1.6710, Acc: 99.58%

[Epoch 497] Loss: 0.1586, Supervised: 0.6772, Unsupervised: 1.7015, Acc: 98.33%

[Epoch 498] Loss: 0.1160, Supervised: 0.5347, Unsupervised: 1.2057, Acc: 98.75%

[Epoch 499] Loss: 0.1227, Supervised: 0.3521, Unsupervised: 1.4884, Acc: 99.27%

[Seed 0] Test Accuracy: 87.46%

FASHION\_MNIST | l=1000, p=0.3 => Accuracy: 87.46 ± 0.00

Running experiment: cifar10 | l=4000 | p=0.3 | seed=0

Downloading https://www.cs.toronto.edu/~kriz/cifar-10-python.tar.gz to ./data\cifar-10-python.tar.gz

100.0%

Extracting ./data\cifar-10-python.tar.gz to ./data

Files already downloaded and verified

Dataset cifar10: 4000 labeled, 46000 unlabeled

Average candidate labels: 3.00

[Epoch 0] Loss: 2.3832, Supervised: 147.6399, Unsupervised: 0.1167, Acc: 21.24%

[Epoch 1] Loss: 1.9125, Supervised: 118.5123, Unsupervised: 0.0624, Acc: 30.02%

[Epoch 2] Loss: 1.7026, Supervised: 105.5469, Unsupervised: 0.0157, Acc: 35.74%

[Epoch 3] Loss: 1.6608, Supervised: 102.8585, Unsupervised: 0.1128, Acc: 38.05%

[Epoch 4] Loss: 1.5279, Supervised: 94.6434, Unsupervised: 0.0871, Acc: 43.95%

[Epoch 5] Loss: 1.4912, Supervised: 92.2696, Unsupervised: 0.1845, Acc: 46.50%

[Epoch 6] Loss: 1.4123, Supervised: 87.3178, Unsupervised: 0.2453, Acc: 48.49%

[Epoch 7] Loss: 1.3579, Supervised: 83.6355, Unsupervised: 0.5570, Acc: 50.35%

[Epoch 8] Loss: 1.3371, Supervised: 82.2449, Unsupervised: 0.6584, Acc: 51.51%

[Epoch 9] Loss: 1.2830, Supervised: 78.4695, Unsupervised: 1.0756, Acc: 54.03%

[Epoch 10] Loss: 1.2268, Supervised: 74.9231, Unsupervised: 1.1370, Acc: 56.33%

[Epoch 11] Loss: 1.1892, Supervised: 72.2735, Unsupervised: 1.4579, Acc: 58.17%

[Epoch 12] Loss: 1.1558, Supervised: 70.0722, Unsupervised: 1.5856, Acc: 59.63%

[Epoch 13] Loss: 1.1200, Supervised: 67.5488, Unsupervised: 1.8912, Acc: 61.06%

[Epoch 14] Loss: 1.0703, Supervised: 63.6331, Unsupervised: 2.7237, Acc: 63.63%

[Epoch 15] Loss: 1.0301, Supervised: 61.6095, Unsupervised: 2.2578, Acc: 64.84%

[Epoch 16] Loss: 1.0070, Supervised: 59.5812, Unsupervised: 2.8514, Acc: 65.83%

[Epoch 17] Loss: 0.9763, Supervised: 57.8851, Unsupervised: 2.6461, Acc: 66.91%

[Epoch 18] Loss: 0.9516, Supervised: 55.6384, Unsupervised: 3.3607, Acc: 68.27%

[Epoch 19] Loss: 0.9142, Supervised: 52.9447, Unsupervised: 3.7337, Acc: 70.16%

[Epoch 20] Loss: 0.8795, Supervised: 51.0539, Unsupervised: 3.4723, Acc: 70.89%

[Epoch 21] Loss: 0.8403, Supervised: 49.0824, Unsupervised: 3.0142, Acc: 71.14%

[Epoch 22] Loss: 0.8327, Supervised: 48.2960, Unsupervised: 3.3304, Acc: 73.26%

[Epoch 23] Loss: 0.7852, Supervised: 44.3745, Unsupervised: 4.3087, Acc: 74.14%

[Epoch 24] Loss: 0.7685, Supervised: 42.9319, Unsupervised: 4.7148, Acc: 75.13%

[Epoch 25] Loss: 0.7453, Supervised: 41.6693, Unsupervised: 4.5399, Acc: 76.06%

[Epoch 26] Loss: 0.7319, Supervised: 40.4558, Unsupervised: 4.9227, Acc: 75.53%

[Epoch 27] Loss: 0.7116, Supervised: 39.7631, Unsupervised: 4.3557, Acc: 76.18%

[Epoch 28] Loss: 0.7133, Supervised: 38.9888, Unsupervised: 5.2344, Acc: 77.87%

[Epoch 29] Loss: 0.6380, Supervised: 34.1227, Unsupervised: 5.4361, Acc: 80.32%

[Epoch 30] Loss: 0.6354, Supervised: 34.6063, Unsupervised: 4.7901, Acc: 80.27%

[Epoch 31] Loss: 0.6163, Supervised: 32.7967, Unsupervised: 5.4141, Acc: 81.02%

[Epoch 32] Loss: 0.6257, Supervised: 33.4455, Unsupervised: 5.3476, Acc: 81.20%

[Epoch 33] Loss: 0.5582, Supervised: 28.8767, Unsupervised: 5.7323, Acc: 83.32%

[Epoch 34] Loss: 0.5551, Supervised: 28.4293, Unsupervised: 5.9871, Acc: 84.32%

[Epoch 35] Loss: 0.5931, Supervised: 30.4311, Unsupervised: 6.3397, Acc: 82.51%

[Epoch 36] Loss: 0.5214, Supervised: 26.1172, Unsupervised: 6.2084, Acc: 85.26%

[Epoch 37] Loss: 0.5054, Supervised: 24.8463, Unsupervised: 6.4873, Acc: 85.74%

[Epoch 38] Loss: 0.5340, Supervised: 26.8118, Unsupervised: 6.2940, Acc: 85.03%

[Epoch 39] Loss: 0.5073, Supervised: 24.0614, Unsupervised: 7.3889, Acc: 86.16%

[Epoch 40] Loss: 0.5200, Supervised: 24.8518, Unsupervised: 7.3892, Acc: 86.34%

[Epoch 41] Loss: 0.4450, Supervised: 20.6104, Unsupervised: 6.9796, Acc: 88.63%

[Epoch 42] Loss: 0.4714, Supervised: 21.4547, Unsupervised: 7.7716, Acc: 88.26%

[Epoch 43] Loss: 0.4713, Supervised: 21.7474, Unsupervised: 7.4732, Acc: 87.83%

[Epoch 44] Loss: 0.4434, Supervised: 20.8174, Unsupervised: 6.6761, Acc: 87.60%

[Epoch 45] Loss: 0.4247, Supervised: 19.3733, Unsupervised: 6.9607, Acc: 89.39%

[Epoch 46] Loss: 0.4280, Supervised: 18.4439, Unsupervised: 8.0927, Acc: 89.69%

[Epoch 47] Loss: 0.4446, Supervised: 20.4017, Unsupervised: 7.1636, Acc: 88.31%

[Epoch 48] Loss: 0.4066, Supervised: 17.5023, Unsupervised: 7.7043, Acc: 89.77%

[Epoch 49] Loss: 0.4104, Supervised: 17.6225, Unsupervised: 7.8229, Acc: 89.99%

[Epoch 50] Loss: 0.3981, Supervised: 16.6213, Unsupervised: 8.0623, Acc: 90.57%

[Epoch 51] Loss: 0.3843, Supervised: 15.6586, Unsupervised: 8.1703, Acc: 91.00%

[Epoch 52] Loss: 0.3834, Supervised: 14.8314, Unsupervised: 8.9379, Acc: 91.38%

[Epoch 53] Loss: 0.3757, Supervised: 15.1601, Unsupervised: 8.1336, Acc: 91.28%

[Epoch 54] Loss: 0.3451, Supervised: 13.2233, Unsupervised: 8.1723, Acc: 92.64%

[Epoch 55] Loss: 0.3436, Supervised: 13.5423, Unsupervised: 7.7582, Acc: 91.94%

[Epoch 56] Loss: 0.3476, Supervised: 13.0349, Unsupervised: 8.5142, Acc: 92.52%

[Epoch 57] Loss: 0.3702, Supervised: 14.4238, Unsupervised: 8.5290, Acc: 91.38%

[Epoch 58] Loss: 0.3400, Supervised: 12.5408, Unsupervised: 8.5420, Acc: 92.67%

[Epoch 59] Loss: 0.3906, Supervised: 14.6769, Unsupervised: 9.5422, Acc: 91.83%

[Epoch 60] Loss: 0.3283, Supervised: 12.2461, Unsupervised: 8.1069, Acc: 92.67%

[Epoch 61] Loss: 0.3156, Supervised: 11.2328, Unsupervised: 8.3374, Acc: 93.62%

[Epoch 62] Loss: 0.3350, Supervised: 12.0749, Unsupervised: 8.6930, Acc: 93.25%

[Epoch 63] Loss: 0.3193, Supervised: 11.4100, Unsupervised: 8.3882, Acc: 93.22%

[Epoch 64] Loss: 0.2862, Supervised: 9.8503, Unsupervised: 7.8916, Acc: 94.58%

[Epoch 65] Loss: 0.3037, Supervised: 11.2794, Unsupervised: 7.5514, Acc: 93.72%

[Epoch 66] Loss: 0.3546, Supervised: 12.5213, Unsupervised: 9.4668, Acc: 92.92%

[Epoch 67] Loss: 0.2988, Supervised: 10.8855, Unsupervised: 7.6371, Acc: 93.67%

[Epoch 68] Loss: 0.3090, Supervised: 10.4795, Unsupervised: 8.6802, Acc: 93.93%

[Epoch 69] Loss: 0.2846, Supervised: 9.1854, Unsupervised: 8.4589, Acc: 94.96%

[Epoch 70] Loss: 0.2775, Supervised: 9.3090, Unsupervised: 7.8971, Acc: 94.96%

[Epoch 71] Loss: 0.3061, Supervised: 10.8848, Unsupervised: 8.0931, Acc: 93.85%

[Epoch 72] Loss: 0.2942, Supervised: 9.4814, Unsupervised: 8.7603, Acc: 95.11%

[Epoch 73] Loss: 0.2874, Supervised: 9.6762, Unsupervised: 8.1450, Acc: 94.41%

[Epoch 74] Loss: 0.2909, Supervised: 9.9736, Unsupervised: 8.0626, Acc: 94.63%

[Epoch 75] Loss: 0.2856, Supervised: 9.2178, Unsupervised: 8.4871, Acc: 95.11%

[Epoch 76] Loss: 0.2863, Supervised: 9.2329, Unsupervised: 8.5169, Acc: 94.73%

[Epoch 77] Loss: 0.3092, Supervised: 10.6283, Unsupervised: 8.5421, Acc: 93.85%

[Epoch 78] Loss: 0.2793, Supervised: 9.1610, Unsupervised: 8.1580, Acc: 94.63%

[Epoch 79] Loss: 0.2827, Supervised: 8.8243, Unsupervised: 8.7062, Acc: 95.21%

[Epoch 80] Loss: 0.3018, Supervised: 9.0971, Unsupervised: 9.6121, Acc: 94.88%

[Epoch 81] Loss: 0.2625, Supervised: 7.9440, Unsupervised: 8.3293, Acc: 95.41%

[Epoch 82] Loss: 0.2765, Supervised: 8.6819, Unsupervised: 8.4584, Acc: 94.96%

[Epoch 83] Loss: 0.2664, Supervised: 7.5432, Unsupervised: 8.9720, Acc: 95.89%

[Epoch 84] Loss: 0.2621, Supervised: 7.6147, Unsupervised: 8.6357, Acc: 95.74%

[Epoch 85] Loss: 0.2561, Supervised: 7.6281, Unsupervised: 8.2525, Acc: 95.84%

[Epoch 86] Loss: 0.2858, Supervised: 8.4987, Unsupervised: 9.2238, Acc: 95.26%

[Epoch 87] Loss: 0.2635, Supervised: 7.3607, Unsupervised: 8.9781, Acc: 95.87%

[Epoch 88] Loss: 0.2585, Supervised: 7.7443, Unsupervised: 8.2857, Acc: 95.72%

[Epoch 89] Loss: 0.2727, Supervised: 8.0427, Unsupervised: 8.8672, Acc: 95.59%

[Epoch 90] Loss: 0.2389, Supervised: 6.6948, Unsupervised: 8.1198, Acc: 96.55%

[Epoch 91] Loss: 0.2625, Supervised: 7.0884, Unsupervised: 9.1860, Acc: 96.40%

[Epoch 92] Loss: 0.2735, Supervised: 7.8359, Unsupervised: 9.1203, Acc: 95.64%

[Epoch 93] Loss: 0.2309, Supervised: 6.3759, Unsupervised: 7.9390, Acc: 96.42%

[Epoch 94] Loss: 0.2435, Supervised: 7.3187, Unsupervised: 7.7765, Acc: 96.17%

[Epoch 95] Loss: 0.2870, Supervised: 9.0474, Unsupervised: 8.7454, Acc: 94.96%

[Epoch 96] Loss: 0.2618, Supervised: 7.5167, Unsupervised: 8.7124, Acc: 96.04%

[Epoch 97] Loss: 0.2658, Supervised: 8.0516, Unsupervised: 8.4302, Acc: 95.61%

[Epoch 98] Loss: 0.2518, Supervised: 7.5634, Unsupervised: 8.0461, Acc: 95.89%

[Epoch 99] Loss: 0.2638, Supervised: 7.3679, Unsupervised: 8.9860, Acc: 96.02%

[Epoch 100] Loss: 0.2557, Supervised: 7.6118, Unsupervised: 8.2396, Acc: 95.67%

[Epoch 101] Loss: 0.2453, Supervised: 6.6881, Unsupervised: 8.5225, Acc: 96.65%

[Epoch 102] Loss: 0.2535, Supervised: 7.1037, Unsupervised: 8.6112, Acc: 96.14%

[Epoch 103] Loss: 0.2473, Supervised: 6.4973, Unsupervised: 8.8344, Acc: 96.52%

[Epoch 104] Loss: 0.2562, Supervised: 7.2112, Unsupervised: 8.6710, Acc: 96.07%

[Epoch 105] Loss: 0.2496, Supervised: 7.2587, Unsupervised: 8.2142, Acc: 96.40%

[Epoch 106] Loss: 0.2492, Supervised: 6.5287, Unsupervised: 8.9223, Acc: 96.47%

[Epoch 107] Loss: 0.2213, Supervised: 5.5449, Unsupervised: 8.1736, Acc: 97.13%

[Epoch 108] Loss: 0.2535, Supervised: 6.9831, Unsupervised: 8.7315, Acc: 96.17%

[Epoch 109] Loss: 0.2711, Supervised: 8.0027, Unsupervised: 8.8077, Acc: 95.89%

[Epoch 110] Loss: 0.2280, Supervised: 5.7764, Unsupervised: 8.3587, Acc: 96.90%

[Epoch 111] Loss: 0.2258, Supervised: 6.1843, Unsupervised: 7.8162, Acc: 96.82%

[Epoch 112] Loss: 0.2181, Supervised: 5.7807, Unsupervised: 7.7445, Acc: 97.28%

[Epoch 113] Loss: 0.2419, Supervised: 6.7475, Unsupervised: 8.2514, Acc: 96.32%

[Epoch 114] Loss: 0.2461, Supervised: 6.6376, Unsupervised: 8.6190, Acc: 96.35%

[Epoch 115] Loss: 0.2631, Supervised: 7.7210, Unsupervised: 8.5906, Acc: 95.82%

[Epoch 116] Loss: 0.2225, Supervised: 5.7866, Unsupervised: 8.0056, Acc: 97.15%

[Epoch 117] Loss: 0.1991, Supervised: 5.8160, Unsupervised: 6.5281, Acc: 96.82%

[Epoch 118] Loss: 0.2670, Supervised: 7.1071, Unsupervised: 9.4464, Acc: 96.19%

[Epoch 119] Loss: 0.2221, Supervised: 5.2128, Unsupervised: 8.5604, Acc: 97.53%

[Epoch 120] Loss: 0.2211, Supervised: 5.5773, Unsupervised: 8.1327, Acc: 97.05%

[Epoch 121] Loss: 0.2493, Supervised: 7.0046, Unsupervised: 8.4504, Acc: 96.30%

[Epoch 122] Loss: 0.2476, Supervised: 6.3583, Unsupervised: 8.9898, Acc: 96.24%

[Epoch 123] Loss: 0.2363, Supervised: 6.9167, Unsupervised: 7.7364, Acc: 96.22%

[Epoch 124] Loss: 0.2357, Supervised: 6.7485, Unsupervised: 7.8626, Acc: 96.27%

[Epoch 125] Loss: 0.2384, Supervised: 5.9084, Unsupervised: 8.8696, Acc: 96.67%

[Epoch 126] Loss: 0.2038, Supervised: 5.1300, Unsupervised: 7.5085, Acc: 97.40%

[Epoch 127] Loss: 0.2287, Supervised: 5.2227, Unsupervised: 8.9555, Acc: 97.45%

[Epoch 128] Loss: 0.2594, Supervised: 7.2351, Unsupervised: 8.8507, Acc: 95.87%

[Epoch 129] Loss: 0.2240, Supervised: 5.9977, Unsupervised: 7.8923, Acc: 96.70%

[Epoch 130] Loss: 0.2013, Supervised: 4.8198, Unsupervised: 7.6619, Acc: 97.35%

[Epoch 131] Loss: 0.2359, Supervised: 6.2153, Unsupervised: 8.4133, Acc: 96.72%

[Epoch 132] Loss: 0.2560, Supervised: 7.1791, Unsupervised: 8.6958, Acc: 95.77%

[Epoch 133] Loss: 0.2012, Supervised: 5.5473, Unsupervised: 6.9278, Acc: 97.05%

[Epoch 134] Loss: 0.2118, Supervised: 5.0940, Unsupervised: 8.0390, Acc: 97.28%

[Epoch 135] Loss: 0.2353, Supervised: 5.4973, Unsupervised: 9.0884, Acc: 97.05%

[Epoch 136] Loss: 0.2339, Supervised: 5.8245, Unsupervised: 8.6749, Acc: 96.70%

[Epoch 137] Loss: 0.2229, Supervised: 5.6422, Unsupervised: 8.1750, Acc: 97.08%

[Epoch 138] Loss: 0.2282, Supervised: 5.9415, Unsupervised: 8.2092, Acc: 96.82%

[Epoch 139] Loss: 0.2000, Supervised: 4.6470, Unsupervised: 7.7529, Acc: 97.68%

[Epoch 140] Loss: 0.2288, Supervised: 5.0166, Unsupervised: 9.1687, Acc: 97.38%

[Epoch 141] Loss: 0.2356, Supervised: 6.8096, Unsupervised: 7.7980, Acc: 96.35%

[Epoch 142] Loss: 0.2452, Supervised: 6.4085, Unsupervised: 8.7948, Acc: 96.42%

[Epoch 143] Loss: 0.2076, Supervised: 5.6980, Unsupervised: 7.1758, Acc: 96.93%

[Epoch 144] Loss: 0.2399, Supervised: 6.0111, Unsupervised: 8.8637, Acc: 96.70%

[Epoch 145] Loss: 0.2303, Supervised: 5.4072, Unsupervised: 8.8727, Acc: 97.38%

[Epoch 146] Loss: 0.2141, Supervised: 5.3748, Unsupervised: 7.8971, Acc: 97.18%

[Epoch 147] Loss: 0.2233, Supervised: 5.2233, Unsupervised: 8.6200, Acc: 97.15%

[Epoch 148] Loss: 0.2174, Supervised: 5.2958, Unsupervised: 8.1813, Acc: 97.13%

[Epoch 149] Loss: 0.2154, Supervised: 5.5194, Unsupervised: 7.8362, Acc: 97.18%

[Epoch 150] Loss: 0.2065, Supervised: 5.2223, Unsupervised: 7.5811, Acc: 97.30%

[Epoch 151] Loss: 0.2456, Supervised: 6.3556, Unsupervised: 8.8732, Acc: 96.72%

[Epoch 152] Loss: 0.2213, Supervised: 5.3455, Unsupervised: 8.3782, Acc: 96.93%

[Epoch 153] Loss: 0.2168, Supervised: 5.3587, Unsupervised: 8.0837, Acc: 97.51%

[Epoch 154] Loss: 0.2444, Supervised: 6.0764, Unsupervised: 9.0735, Acc: 96.95%

[Epoch 155] Loss: 0.2165, Supervised: 5.3044, Unsupervised: 8.1193, Acc: 97.30%

[Epoch 156] Loss: 0.2427, Supervised: 6.0833, Unsupervised: 8.9658, Acc: 96.67%

[Epoch 157] Loss: 0.2247, Supervised: 5.4070, Unsupervised: 8.5267, Acc: 97.35%

[Epoch 158] Loss: 0.2147, Supervised: 5.4396, Unsupervised: 7.8745, Acc: 97.10%

[Epoch 159] Loss: 0.2240, Supervised: 5.1899, Unsupervised: 8.7005, Acc: 97.25%

[Epoch 160] Loss: 0.1977, Supervised: 5.0426, Unsupervised: 7.2149, Acc: 97.28%

[Epoch 161] Loss: 0.2639, Supervised: 6.5245, Unsupervised: 9.8373, Acc: 96.42%

[Epoch 162] Loss: 0.2237, Supervised: 5.6413, Unsupervised: 8.2292, Acc: 97.10%

[Epoch 163] Loss: 0.2273, Supervised: 4.8286, Unsupervised: 9.2623, Acc: 97.58%

[Epoch 164] Loss: 0.2191, Supervised: 5.6992, Unsupervised: 7.8863, Acc: 97.15%

[Epoch 165] Loss: 0.2271, Supervised: 5.5479, Unsupervised: 8.5334, Acc: 97.13%

[Epoch 166] Loss: 0.2418, Supervised: 6.0326, Unsupervised: 8.9617, Acc: 96.85%

[Epoch 167] Loss: 0.2197, Supervised: 5.4308, Unsupervised: 8.1908, Acc: 97.20%

[Epoch 168] Loss: 0.2254, Supervised: 5.7332, Unsupervised: 8.2388, Acc: 97.00%

[Epoch 169] Loss: 0.2006, Supervised: 4.8014, Unsupervised: 7.6360, Acc: 97.63%

[Epoch 170] Loss: 0.2252, Supervised: 5.1745, Unsupervised: 8.7873, Acc: 97.05%

[Epoch 171] Loss: 0.2097, Supervised: 5.1257, Unsupervised: 7.8743, Acc: 97.30%

[Epoch 172] Loss: 0.2352, Supervised: 6.0973, Unsupervised: 8.4871, Acc: 96.70%

[Epoch 173] Loss: 0.2127, Supervised: 5.1314, Unsupervised: 8.0543, Acc: 97.81%

[Epoch 174] Loss: 0.2193, Supervised: 5.6458, Unsupervised: 7.9488, Acc: 97.10%

[Epoch 175] Loss: 0.2234, Supervised: 5.0459, Unsupervised: 8.8056, Acc: 97.48%

[Epoch 176] Loss: 0.2301, Supervised: 6.1421, Unsupervised: 8.1254, Acc: 96.75%

[Epoch 177] Loss: 0.2275, Supervised: 5.7738, Unsupervised: 8.3314, Acc: 96.77%

[Epoch 178] Loss: 0.2127, Supervised: 5.0040, Unsupervised: 8.1812, Acc: 97.33%

[Epoch 179] Loss: 0.2034, Supervised: 4.6445, Unsupervised: 7.9642, Acc: 97.68%

[Epoch 180] Loss: 0.2248, Supervised: 4.6747, Unsupervised: 9.2601, Acc: 97.30%

[Epoch 181] Loss: 0.2431, Supervised: 6.2132, Unsupervised: 8.8608, Acc: 96.77%

[Epoch 182] Loss: 0.2205, Supervised: 5.0282, Unsupervised: 8.6420, Acc: 97.56%

[Epoch 183] Loss: 0.2144, Supervised: 5.3309, Unsupervised: 7.9616, Acc: 97.23%

[Epoch 184] Loss: 0.2290, Supervised: 5.5387, Unsupervised: 8.6587, Acc: 97.05%

[Epoch 185] Loss: 0.2197, Supervised: 5.8282, Unsupervised: 7.7921, Acc: 96.60%

[Epoch 186] Loss: 0.2286, Supervised: 6.0653, Unsupervised: 8.1078, Acc: 96.72%

[Epoch 187] Loss: 0.2148, Supervised: 5.6585, Unsupervised: 7.6612, Acc: 97.08%

[Epoch 188] Loss: 0.2135, Supervised: 5.0892, Unsupervised: 8.1473, Acc: 97.38%

[Epoch 189] Loss: 0.2144, Supervised: 4.9776, Unsupervised: 8.3122, Acc: 97.40%

[Epoch 190] Loss: 0.2353, Supervised: 5.8208, Unsupervised: 8.7652, Acc: 96.90%

[Epoch 191] Loss: 0.2136, Supervised: 4.9213, Unsupervised: 8.3234, Acc: 97.45%

[Epoch 192] Loss: 0.2258, Supervised: 4.9413, Unsupervised: 9.0598, Acc: 97.51%

[Epoch 193] Loss: 0.2016, Supervised: 4.8188, Unsupervised: 7.6814, Acc: 97.58%

[Epoch 194] Loss: 0.2382, Supervised: 6.1298, Unsupervised: 8.6356, Acc: 96.82%

[Epoch 195] Loss: 0.2248, Supervised: 6.3142, Unsupervised: 7.6265, Acc: 96.40%

[Epoch 196] Loss: 0.2136, Supervised: 5.4979, Unsupervised: 7.7441, Acc: 97.08%

[Epoch 197] Loss: 0.2357, Supervised: 5.4958, Unsupervised: 9.1201, Acc: 97.25%

[Epoch 198] Loss: 0.2054, Supervised: 4.6751, Unsupervised: 8.0593, Acc: 97.43%

[Epoch 199] Loss: 0.2052, Supervised: 5.0344, Unsupervised: 7.6859, Acc: 97.40%

[Epoch 200] Loss: 0.2193, Supervised: 5.3073, Unsupervised: 8.2904, Acc: 97.03%

[Epoch 201] Loss: 0.2168, Supervised: 5.5333, Unsupervised: 7.9106, Acc: 97.15%

[Epoch 202] Loss: 0.2025, Supervised: 4.9158, Unsupervised: 7.6413, Acc: 97.23%

[Epoch 203] Loss: 0.2117, Supervised: 5.3265, Unsupervised: 7.7979, Acc: 97.28%

[Epoch 204] Loss: 0.2221, Supervised: 5.5303, Unsupervised: 8.2413, Acc: 97.25%

[Epoch 205] Loss: 0.2177, Supervised: 5.0032, Unsupervised: 8.4948, Acc: 97.56%

[Epoch 206] Loss: 0.2114, Supervised: 5.2975, Unsupervised: 7.8120, Acc: 97.15%

[Epoch 207] Loss: 0.2107, Supervised: 5.4110, Unsupervised: 7.6539, Acc: 97.08%

[Epoch 208] Loss: 0.2035, Supervised: 5.2757, Unsupervised: 7.3409, Acc: 97.20%

[Epoch 209] Loss: 0.1975, Supervised: 4.6302, Unsupervised: 7.6163, Acc: 97.40%

[Epoch 210] Loss: 0.2117, Supervised: 5.1582, Unsupervised: 7.9641, Acc: 97.08%

[Epoch 211] Loss: 0.2178, Supervised: 5.1628, Unsupervised: 8.3384, Acc: 97.40%

[Epoch 212] Loss: 0.1998, Supervised: 4.9696, Unsupervised: 7.4158, Acc: 97.51%

[Epoch 213] Loss: 0.2299, Supervised: 5.4718, Unsupervised: 8.7814, Acc: 97.10%

[Epoch 214] Loss: 0.2026, Supervised: 5.3352, Unsupervised: 7.2231, Acc: 97.05%

[Epoch 215] Loss: 0.2086, Supervised: 5.2952, Unsupervised: 7.6390, Acc: 97.13%

[Epoch 216] Loss: 0.1918, Supervised: 4.9935, Unsupervised: 6.8957, Acc: 97.68%

[Epoch 217] Loss: 0.2508, Supervised: 6.1275, Unsupervised: 9.4233, Acc: 96.65%

[Epoch 218] Loss: 0.2036, Supervised: 4.4170, Unsupervised: 8.2039, Acc: 97.68%

[Epoch 219] Loss: 0.2022, Supervised: 4.3049, Unsupervised: 8.2308, Acc: 97.91%

[Epoch 220] Loss: 0.2025, Supervised: 5.0681, Unsupervised: 7.4852, Acc: 97.13%

[Epoch 221] Loss: 0.2209, Supervised: 5.2207, Unsupervised: 8.4738, Acc: 97.40%

[Epoch 222] Loss: 0.2098, Supervised: 4.7378, Unsupervised: 8.2687, Acc: 97.58%

[Epoch 223] Loss: 0.2082, Supervised: 4.3326, Unsupervised: 8.5769, Acc: 97.83%

[Epoch 224] Loss: 0.2037, Supervised: 4.5519, Unsupervised: 8.0788, Acc: 97.40%

[Epoch 225] Loss: 0.1991, Supervised: 4.9639, Unsupervised: 7.3777, Acc: 97.61%

[Epoch 226] Loss: 0.1920, Supervised: 4.4619, Unsupervised: 7.4417, Acc: 97.66%

[Epoch 227] Loss: 0.2098, Supervised: 4.7577, Unsupervised: 8.2506, Acc: 97.20%

[Epoch 228] Loss: 0.2215, Supervised: 5.1407, Unsupervised: 8.5923, Acc: 97.33%

[Epoch 229] Loss: 0.2215, Supervised: 6.3447, Unsupervised: 7.3908, Acc: 96.37%

[Epoch 230] Loss: 0.2029, Supervised: 4.8707, Unsupervised: 7.7079, Acc: 97.53%

[Epoch 231] Loss: 0.1980, Supervised: 4.9988, Unsupervised: 7.2773, Acc: 97.35%

[Epoch 232] Loss: 0.1930, Supervised: 4.4284, Unsupervised: 7.5360, Acc: 97.63%

[Epoch 233] Loss: 0.2056, Supervised: 4.3435, Unsupervised: 8.4044, Acc: 97.73%

[Epoch 234] Loss: 0.2479, Supervised: 6.0727, Unsupervised: 9.2969, Acc: 96.95%

[Epoch 235] Loss: 0.2234, Supervised: 5.6990, Unsupervised: 8.1539, Acc: 96.98%

[Epoch 236] Loss: 0.1932, Supervised: 4.2122, Unsupervised: 7.7644, Acc: 97.96%

[Epoch 237] Loss: 0.2118, Supervised: 4.5657, Unsupervised: 8.5668, Acc: 97.63%

[Epoch 238] Loss: 0.2044, Supervised: 4.9499, Unsupervised: 7.7207, Acc: 97.40%

[Epoch 239] Loss: 0.1794, Supervised: 3.8305, Unsupervised: 7.2935, Acc: 97.98%

[Epoch 240] Loss: 0.2058, Supervised: 4.2249, Unsupervised: 8.5366, Acc: 97.66%

[Epoch 241] Loss: 0.2310, Supervised: 5.7868, Unsupervised: 8.5329, Acc: 96.50%

[Epoch 242] Loss: 0.2042, Supervised: 4.9329, Unsupervised: 7.7284, Acc: 97.43%

[Epoch 243] Loss: 0.2035, Supervised: 4.4018, Unsupervised: 8.2161, Acc: 97.73%

[Epoch 244] Loss: 0.2093, Supervised: 4.8518, Unsupervised: 8.1267, Acc: 97.56%

[Epoch 245] Loss: 0.2298, Supervised: 5.5020, Unsupervised: 8.7454, Acc: 97.13%

[Epoch 246] Loss: 0.2265, Supervised: 5.7870, Unsupervised: 8.2566, Acc: 97.13%

[Epoch 247] Loss: 0.2014, Supervised: 4.9668, Unsupervised: 7.5214, Acc: 97.48%

[Epoch 248] Loss: 0.1984, Supervised: 4.5128, Unsupervised: 7.7881, Acc: 97.61%

[Epoch 249] Loss: 0.1924, Supervised: 4.2168, Unsupervised: 7.7107, Acc: 97.86%

[Epoch 250] Loss: 0.2047, Supervised: 4.3706, Unsupervised: 8.3223, Acc: 97.73%

[Epoch 251] Loss: 0.2120, Supervised: 4.7991, Unsupervised: 8.3453, Acc: 97.53%

[Epoch 252] Loss: 0.1903, Supervised: 4.5139, Unsupervised: 7.2842, Acc: 97.86%

[Epoch 253] Loss: 0.2007, Supervised: 4.2290, Unsupervised: 8.2143, Acc: 97.81%

[Epoch 254] Loss: 0.2047, Supervised: 4.6153, Unsupervised: 8.0749, Acc: 97.66%

[Epoch 255] Loss: 0.2131, Supervised: 4.9647, Unsupervised: 8.2463, Acc: 97.63%

[Epoch 256] Loss: 0.2164, Supervised: 4.9048, Unsupervised: 8.5126, Acc: 97.68%

[Epoch 257] Loss: 0.1966, Supervised: 5.0160, Unsupervised: 7.1762, Acc: 97.28%

[Epoch 258] Loss: 0.2379, Supervised: 5.1808, Unsupervised: 9.5676, Acc: 97.15%

[Epoch 259] Loss: 0.2285, Supervised: 5.3295, Unsupervised: 8.8370, Acc: 97.15%

[Epoch 260] Loss: 0.2076, Supervised: 4.7966, Unsupervised: 8.0729, Acc: 97.51%

[Epoch 261] Loss: 0.2109, Supervised: 4.6155, Unsupervised: 8.4623, Acc: 97.78%

[Epoch 262] Loss: 0.1856, Supervised: 4.1687, Unsupervised: 7.3397, Acc: 97.86%

[Epoch 263] Loss: 0.2205, Supervised: 5.0211, Unsupervised: 8.6517, Acc: 97.35%

[Epoch 264] Loss: 0.2138, Supervised: 4.6860, Unsupervised: 8.5691, Acc: 97.61%

[Epoch 265] Loss: 0.1945, Supervised: 5.1047, Unsupervised: 6.9549, Acc: 97.25%

[Epoch 266] Loss: 0.2391, Supervised: 5.9833, Unsupervised: 8.8385, Acc: 96.95%

[Epoch 267] Loss: 0.1954, Supervised: 4.2689, Unsupervised: 7.8436, Acc: 97.73%

[Epoch 268] Loss: 0.2090, Supervised: 4.8894, Unsupervised: 8.0706, Acc: 97.51%

[Epoch 269] Loss: 0.2049, Supervised: 4.3432, Unsupervised: 8.3634, Acc: 97.76%

[Epoch 270] Loss: 0.2060, Supervised: 4.4363, Unsupervised: 8.3366, Acc: 97.68%

[Epoch 271] Loss: 0.1987, Supervised: 4.9202, Unsupervised: 7.3963, Acc: 97.38%

[Epoch 272] Loss: 0.2086, Supervised: 4.2496, Unsupervised: 8.6811, Acc: 97.66%

[Epoch 273] Loss: 0.2107, Supervised: 4.9387, Unsupervised: 8.1276, Acc: 97.43%

[Epoch 274] Loss: 0.1858, Supervised: 4.1036, Unsupervised: 7.4182, Acc: 97.93%

[Epoch 275] Loss: 0.1980, Supervised: 4.5226, Unsupervised: 7.7532, Acc: 97.61%

[Epoch 276] Loss: 0.2055, Supervised: 4.2042, Unsupervised: 8.5378, Acc: 97.73%

[Epoch 277] Loss: 0.2106, Supervised: 5.4927, Unsupervised: 7.5625, Acc: 96.93%

[Epoch 278] Loss: 0.2191, Supervised: 5.2892, Unsupervised: 8.2935, Acc: 97.05%

[Epoch 279] Loss: 0.1967, Supervised: 4.4537, Unsupervised: 7.7418, Acc: 97.86%

[Epoch 280] Loss: 0.2161, Supervised: 4.4145, Unsupervised: 8.9812, Acc: 97.81%

[Epoch 281] Loss: 0.2030, Supervised: 3.8561, Unsupervised: 8.7302, Acc: 98.06%

[Epoch 282] Loss: 0.1815, Supervised: 3.6675, Unsupervised: 7.5859, Acc: 98.34%

[Epoch 283] Loss: 0.1880, Supervised: 4.1628, Unsupervised: 7.4910, Acc: 97.96%

[Epoch 284] Loss: 0.2324, Supervised: 5.7206, Unsupervised: 8.6877, Acc: 96.93%

[Epoch 285] Loss: 0.1939, Supervised: 4.4623, Unsupervised: 7.5621, Acc: 97.78%

[Epoch 286] Loss: 0.2143, Supervised: 5.2337, Unsupervised: 8.0513, Acc: 97.18%

[Epoch 287] Loss: 0.2152, Supervised: 5.0049, Unsupervised: 8.3356, Acc: 97.33%

[Epoch 288] Loss: 0.1914, Supervised: 4.3169, Unsupervised: 7.5490, Acc: 97.86%

[Epoch 289] Loss: 0.2175, Supervised: 4.6807, Unsupervised: 8.8060, Acc: 97.48%

[Epoch 290] Loss: 0.2063, Supervised: 4.9214, Unsupervised: 7.8718, Acc: 97.68%

[Epoch 291] Loss: 0.2161, Supervised: 5.5984, Unsupervised: 7.8026, Acc: 97.05%

[Epoch 292] Loss: 0.2355, Supervised: 5.1614, Unsupervised: 9.4404, Acc: 97.23%

[Epoch 293] Loss: 0.1853, Supervised: 3.7743, Unsupervised: 7.7129, Acc: 98.21%

[Epoch 294] Loss: 0.2125, Supervised: 4.9314, Unsupervised: 8.2418, Acc: 97.28%

[Epoch 295] Loss: 0.2010, Supervised: 4.0313, Unsupervised: 8.4302, Acc: 98.03%

[Epoch 296] Loss: 0.1898, Supervised: 4.4276, Unsupervised: 7.3431, Acc: 97.83%

[Epoch 297] Loss: 0.2322, Supervised: 5.2259, Unsupervised: 9.1727, Acc: 97.25%

[Epoch 298] Loss: 0.1945, Supervised: 3.9175, Unsupervised: 8.1396, Acc: 97.88%

[Epoch 299] Loss: 0.1968, Supervised: 4.3489, Unsupervised: 7.8532, Acc: 97.81%

[Epoch 300] Loss: 0.2092, Supervised: 4.4072, Unsupervised: 8.5605, Acc: 97.76%

[Epoch 301] Loss: 0.2220, Supervised: 5.3709, Unsupervised: 8.3941, Acc: 97.20%

[Epoch 302] Loss: 0.2116, Supervised: 5.1934, Unsupervised: 7.9263, Acc: 97.23%

[Epoch 303] Loss: 0.2130, Supervised: 5.0935, Unsupervised: 8.1107, Acc: 97.38%

[Epoch 304] Loss: 0.1860, Supervised: 3.5649, Unsupervised: 7.9683, Acc: 98.24%

[Epoch 305] Loss: 0.1972, Supervised: 4.3451, Unsupervised: 7.8824, Acc: 97.71%

[Epoch 306] Loss: 0.2078, Supervised: 4.5924, Unsupervised: 8.2906, Acc: 97.61%

[Epoch 307] Loss: 0.2198, Supervised: 5.7709, Unsupervised: 7.8581, Acc: 96.90%

[Epoch 308] Loss: 0.1845, Supervised: 4.0545, Unsupervised: 7.3873, Acc: 98.16%

[Epoch 309] Loss: 0.2122, Supervised: 4.7780, Unsupervised: 8.3780, Acc: 97.35%

[Epoch 310] Loss: 0.2146, Supervised: 4.9417, Unsupervised: 8.3623, Acc: 97.51%

[Epoch 311] Loss: 0.2221, Supervised: 5.1664, Unsupervised: 8.6010, Acc: 97.18%

[Epoch 312] Loss: 0.1828, Supervised: 4.0734, Unsupervised: 7.2623, Acc: 97.88%

[Epoch 313] Loss: 0.1966, Supervised: 4.2212, Unsupervised: 7.9693, Acc: 97.68%

[Epoch 314] Loss: 0.1861, Supervised: 4.2193, Unsupervised: 7.3204, Acc: 97.86%

[Epoch 315] Loss: 0.1866, Supervised: 4.2361, Unsupervised: 7.3362, Acc: 97.66%

[Epoch 316] Loss: 0.2166, Supervised: 4.8609, Unsupervised: 8.5706, Acc: 97.40%

[Epoch 317] Loss: 0.1892, Supervised: 3.7233, Unsupervised: 8.0075, Acc: 98.03%

[Epoch 318] Loss: 0.1885, Supervised: 3.7016, Unsupervised: 7.9841, Acc: 98.16%

[Epoch 319] Loss: 0.2078, Supervised: 4.9614, Unsupervised: 7.9217, Acc: 97.43%

[Epoch 320] Loss: 0.2068, Supervised: 4.7545, Unsupervised: 8.0677, Acc: 97.96%

[Epoch 321] Loss: 0.2196, Supervised: 5.4668, Unsupervised: 8.1505, Acc: 97.05%

[Epoch 322] Loss: 0.2083, Supervised: 4.6858, Unsupervised: 8.2270, Acc: 97.73%

[Epoch 323] Loss: 0.2046, Supervised: 3.7639, Unsupervised: 8.9192, Acc: 98.19%

[Epoch 324] Loss: 0.2057, Supervised: 4.3782, Unsupervised: 8.3749, Acc: 97.66%

[Epoch 325] Loss: 0.1996, Supervised: 3.9199, Unsupervised: 8.4584, Acc: 98.03%

[Epoch 326] Loss: 0.2003, Supervised: 4.8458, Unsupervised: 7.5699, Acc: 97.20%

[Epoch 327] Loss: 0.2283, Supervised: 5.2437, Unsupervised: 8.9140, Acc: 97.38%

[Epoch 328] Loss: 0.1875, Supervised: 3.9754, Unsupervised: 7.6467, Acc: 98.01%

[Epoch 329] Loss: 0.1967, Supervised: 3.9743, Unsupervised: 8.2199, Acc: 97.98%

[Epoch 330] Loss: 0.1994, Supervised: 4.0164, Unsupervised: 8.3479, Acc: 97.88%

[Epoch 331] Loss: 0.2157, Supervised: 4.8770, Unsupervised: 8.4943, Acc: 97.28%

[Epoch 332] Loss: 0.1914, Supervised: 4.3062, Unsupervised: 7.5586, Acc: 97.71%

[Epoch 333] Loss: 0.2046, Supervised: 5.0503, Unsupervised: 7.6372, Acc: 97.20%

[Epoch 334] Loss: 0.2286, Supervised: 4.9949, Unsupervised: 9.1766, Acc: 97.23%

[Epoch 335] Loss: 0.2064, Supervised: 4.7345, Unsupervised: 8.0607, Acc: 97.43%

[Epoch 336] Loss: 0.1964, Supervised: 4.3703, Unsupervised: 7.8050, Acc: 97.71%

[Epoch 337] Loss: 0.1902, Supervised: 4.2412, Unsupervised: 7.5529, Acc: 98.06%

[Epoch 338] Loss: 0.1779, Supervised: 3.6879, Unsupervised: 7.3420, Acc: 98.24%

[Epoch 339] Loss: 0.2095, Supervised: 4.6946, Unsupervised: 8.2953, Acc: 97.68%

[Epoch 340] Loss: 0.2195, Supervised: 4.4927, Unsupervised: 9.1157, Acc: 97.73%

[Epoch 341] Loss: 0.2057, Supervised: 4.6811, Unsupervised: 8.0745, Acc: 97.51%

[Epoch 342] Loss: 0.1938, Supervised: 3.8167, Unsupervised: 8.2008, Acc: 98.16%

[Epoch 343] Loss: 0.2137, Supervised: 4.9122, Unsupervised: 8.3382, Acc: 97.43%

[Epoch 344] Loss: 0.1852, Supervised: 4.0859, Unsupervised: 7.3979, Acc: 97.81%

[Epoch 345] Loss: 0.1999, Supervised: 4.2343, Unsupervised: 8.1583, Acc: 97.88%

[Epoch 346] Loss: 0.2002, Supervised: 3.8532, Unsupervised: 8.5622, Acc: 98.08%

[Epoch 347] Loss: 0.1919, Supervised: 4.0024, Unsupervised: 7.8929, Acc: 97.88%

[Epoch 348] Loss: 0.2161, Supervised: 4.9776, Unsupervised: 8.4221, Acc: 97.43%

[Epoch 349] Loss: 0.2250, Supervised: 5.2521, Unsupervised: 8.6982, Acc: 97.20%

[Epoch 350] Loss: 0.1805, Supervised: 4.2455, Unsupervised: 6.9426, Acc: 97.63%

[Epoch 351] Loss: 0.1991, Supervised: 4.2219, Unsupervised: 8.1228, Acc: 97.73%

[Epoch 352] Loss: 0.2141, Supervised: 4.8352, Unsupervised: 8.4382, Acc: 97.51%

[Epoch 353] Loss: 0.1810, Supervised: 3.2661, Unsupervised: 7.9547, Acc: 98.56%

[Epoch 354] Loss: 0.1978, Supervised: 4.5879, Unsupervised: 7.6763, Acc: 97.56%

[Epoch 355] Loss: 0.1979, Supervised: 4.2913, Unsupervised: 7.9757, Acc: 97.63%

[Epoch 356] Loss: 0.2147, Supervised: 4.8819, Unsupervised: 8.4264, Acc: 97.68%

[Epoch 357] Loss: 0.2143, Supervised: 4.7354, Unsupervised: 8.5525, Acc: 97.58%

[Epoch 358] Loss: 0.1904, Supervised: 3.9978, Unsupervised: 7.8096, Acc: 98.21%

[Epoch 359] Loss: 0.1955, Supervised: 4.2852, Unsupervised: 7.8363, Acc: 97.91%

[Epoch 360] Loss: 0.1752, Supervised: 3.3597, Unsupervised: 7.5009, Acc: 98.06%

[Epoch 361] Loss: 0.1749, Supervised: 3.4170, Unsupervised: 7.4267, Acc: 98.19%

[Epoch 362] Loss: 0.2021, Supervised: 3.9651, Unsupervised: 8.5681, Acc: 98.01%

[Epoch 363] Loss: 0.1951, Supervised: 4.2996, Unsupervised: 7.7956, Acc: 97.56%

[Epoch 364] Loss: 0.2199, Supervised: 5.2914, Unsupervised: 8.3437, Acc: 97.18%

[Epoch 365] Loss: 0.2148, Supervised: 4.8189, Unsupervised: 8.4994, Acc: 97.33%

[Epoch 366] Loss: 0.1773, Supervised: 3.5719, Unsupervised: 7.4178, Acc: 98.14%

[Epoch 367] Loss: 0.1937, Supervised: 4.1863, Unsupervised: 7.8207, Acc: 97.98%

[Epoch 368] Loss: 0.2010, Supervised: 4.2215, Unsupervised: 8.2393, Acc: 97.78%

[Epoch 369] Loss: 0.1994, Supervised: 4.5889, Unsupervised: 7.7749, Acc: 97.63%

[Epoch 370] Loss: 0.2127, Supervised: 4.4904, Unsupervised: 8.6954, Acc: 97.91%

[Epoch 371] Loss: 0.1917, Supervised: 4.1152, Unsupervised: 7.7717, Acc: 98.11%

[Epoch 372] Loss: 0.1881, Supervised: 4.1117, Unsupervised: 7.5517, Acc: 97.81%

[Epoch 373] Loss: 0.2006, Supervised: 4.0500, Unsupervised: 8.3879, Acc: 98.06%

[Epoch 374] Loss: 0.2179, Supervised: 4.5462, Unsupervised: 8.9664, Acc: 97.68%

[Epoch 375] Loss: 0.2253, Supervised: 5.1720, Unsupervised: 8.7989, Acc: 97.76%

[Epoch 376] Loss: 0.1804, Supervised: 3.9704, Unsupervised: 7.2147, Acc: 98.01%

[Epoch 377] Loss: 0.1974, Supervised: 4.2619, Unsupervised: 7.9780, Acc: 97.88%

[Epoch 378] Loss: 0.1850, Supervised: 4.3341, Unsupervised: 7.1334, Acc: 97.93%

[Epoch 379] Loss: 0.1932, Supervised: 4.6365, Unsupervised: 7.3429, Acc: 97.45%

[Epoch 380] Loss: 0.2075, Supervised: 4.2954, Unsupervised: 8.5694, Acc: 97.88%

[Epoch 381] Loss: 0.1826, Supervised: 4.0326, Unsupervised: 7.2889, Acc: 98.08%

[Epoch 382] Loss: 0.1999, Supervised: 4.3869, Unsupervised: 8.0089, Acc: 97.76%

[Epoch 383] Loss: 0.1939, Supervised: 3.8417, Unsupervised: 8.1795, Acc: 98.14%

[Epoch 384] Loss: 0.2108, Supervised: 3.9164, Unsupervised: 9.1518, Acc: 97.96%

[Epoch 385] Loss: 0.2247, Supervised: 4.7200, Unsupervised: 9.2137, Acc: 97.68%

[Epoch 386] Loss: 0.1929, Supervised: 4.6724, Unsupervised: 7.2853, Acc: 97.40%

[Epoch 387] Loss: 0.1882, Supervised: 3.6272, Unsupervised: 8.0422, Acc: 98.19%

[Epoch 388] Loss: 0.1931, Supervised: 4.2761, Unsupervised: 7.6935, Acc: 97.53%

[Epoch 389] Loss: 0.2146, Supervised: 5.0087, Unsupervised: 8.2951, Acc: 97.58%

[Epoch 390] Loss: 0.1983, Supervised: 3.6945, Unsupervised: 8.6015, Acc: 98.24%

[Epoch 391] Loss: 0.1754, Supervised: 3.4971, Unsupervised: 7.3774, Acc: 98.34%

[Epoch 392] Loss: 0.1877, Supervised: 3.7604, Unsupervised: 7.8772, Acc: 98.08%

[Epoch 393] Loss: 0.1837, Supervised: 3.8458, Unsupervised: 7.5454, Acc: 97.86%

[Epoch 394] Loss: 0.2027, Supervised: 4.2866, Unsupervised: 8.2788, Acc: 97.81%

[Epoch 395] Loss: 0.2062, Supervised: 4.2328, Unsupervised: 8.5496, Acc: 97.83%

[Epoch 396] Loss: 0.1967, Supervised: 4.4989, Unsupervised: 7.6942, Acc: 97.76%

[Epoch 397] Loss: 0.1946, Supervised: 3.6788, Unsupervised: 8.3844, Acc: 98.34%

[Epoch 398] Loss: 0.2038, Supervised: 4.2719, Unsupervised: 8.3644, Acc: 97.76%

[Epoch 399] Loss: 0.1965, Supervised: 3.7248, Unsupervised: 8.4568, Acc: 98.29%

[Epoch 400] Loss: 0.2040, Supervised: 4.2242, Unsupervised: 8.4244, Acc: 98.06%

[Epoch 401] Loss: 0.1989, Supervised: 4.6581, Unsupervised: 7.6745, Acc: 97.68%

[Epoch 402] Loss: 0.1987, Supervised: 3.8763, Unsupervised: 8.4451, Acc: 98.26%

[Epoch 403] Loss: 0.2147, Supervised: 4.6217, Unsupervised: 8.6881, Acc: 97.68%

[Epoch 404] Loss: 0.1964, Supervised: 4.0398, Unsupervised: 8.1366, Acc: 97.68%

[Epoch 405] Loss: 0.2019, Supervised: 4.3943, Unsupervised: 8.1231, Acc: 97.78%

[Epoch 406] Loss: 0.1933, Supervised: 3.9839, Unsupervised: 8.0018, Acc: 97.76%

[Epoch 407] Loss: 0.1776, Supervised: 3.3342, Unsupervised: 7.6756, Acc: 98.46%

[Epoch 408] Loss: 0.1970, Supervised: 4.2325, Unsupervised: 7.9812, Acc: 97.86%

[Epoch 409] Loss: 0.1910, Supervised: 3.7048, Unsupervised: 8.1357, Acc: 98.11%

[Epoch 410] Loss: 0.1608, Supervised: 2.8546, Unsupervised: 7.1121, Acc: 98.59%

[Epoch 411] Loss: 0.1825, Supervised: 4.1336, Unsupervised: 7.1837, Acc: 97.86%

[Epoch 412] Loss: 0.2101, Supervised: 4.3941, Unsupervised: 8.6337, Acc: 97.68%

[Epoch 413] Loss: 0.2148, Supervised: 5.0478, Unsupervised: 8.2707, Acc: 97.35%

[Epoch 414] Loss: 0.2300, Supervised: 5.6815, Unsupervised: 8.5811, Acc: 97.43%

[Epoch 415] Loss: 0.2018, Supervised: 4.1174, Unsupervised: 8.3968, Acc: 97.83%

[Epoch 416] Loss: 0.1806, Supervised: 3.4664, Unsupervised: 7.7333, Acc: 98.41%

[Epoch 417] Loss: 0.1914, Supervised: 3.6409, Unsupervised: 8.2281, Acc: 98.14%

[Epoch 418] Loss: 0.1812, Supervised: 3.2362, Unsupervised: 7.9976, Acc: 98.49%

[Epoch 419] Loss: 0.1796, Supervised: 3.6217, Unsupervised: 7.5155, Acc: 98.19%

[Epoch 420] Loss: 0.1903, Supervised: 4.2235, Unsupervised: 7.5745, Acc: 97.76%

[Epoch 421] Loss: 0.2330, Supervised: 5.4765, Unsupervised: 8.9667, Acc: 97.05%

[Epoch 422] Loss: 0.1833, Supervised: 3.6209, Unsupervised: 7.7457, Acc: 98.14%

[Epoch 423] Loss: 0.1734, Supervised: 3.3810, Unsupervised: 7.3680, Acc: 98.51%

[Epoch 424] Loss: 0.2136, Supervised: 3.9660, Unsupervised: 9.2768, Acc: 97.91%

[Epoch 425] Loss: 0.1843, Supervised: 3.7556, Unsupervised: 7.6696, Acc: 98.06%

[Epoch 426] Loss: 0.2065, Supervised: 4.4929, Unsupervised: 8.3112, Acc: 97.61%

[Epoch 427] Loss: 0.2140, Supervised: 4.7890, Unsupervised: 8.4781, Acc: 97.56%

[Epoch 428] Loss: 0.1939, Supervised: 3.9395, Unsupervised: 8.0840, Acc: 98.26%

[Epoch 429] Loss: 0.2157, Supervised: 4.5343, Unsupervised: 8.8373, Acc: 97.71%

[Epoch 430] Loss: 0.2136, Supervised: 4.5523, Unsupervised: 8.6909, Acc: 97.76%

[Epoch 431] Loss: 0.1664, Supervised: 3.1360, Unsupervised: 7.1808, Acc: 98.41%

[Epoch 432] Loss: 0.1993, Supervised: 3.7258, Unsupervised: 8.6281, Acc: 98.29%

[Epoch 433] Loss: 0.1895, Supervised: 4.0093, Unsupervised: 7.7400, Acc: 97.81%

[Epoch 434] Loss: 0.2147, Supervised: 4.8692, Unsupervised: 8.4403, Acc: 97.66%

[Epoch 435] Loss: 0.2062, Supervised: 4.4466, Unsupervised: 8.3387, Acc: 97.68%

[Epoch 436] Loss: 0.1812, Supervised: 3.7130, Unsupervised: 7.5223, Acc: 98.01%

[Epoch 437] Loss: 0.2146, Supervised: 4.5965, Unsupervised: 8.7091, Acc: 97.56%

[Epoch 438] Loss: 0.1823, Supervised: 3.5704, Unsupervised: 7.7310, Acc: 98.21%

[Epoch 439] Loss: 0.2011, Supervised: 4.8704, Unsupervised: 7.5963, Acc: 97.78%

[Epoch 440] Loss: 0.1830, Supervised: 3.5378, Unsupervised: 7.8112, Acc: 98.11%

[Epoch 441] Loss: 0.1965, Supervised: 4.3500, Unsupervised: 7.8358, Acc: 97.66%

[Epoch 442] Loss: 0.1773, Supervised: 3.5225, Unsupervised: 7.4704, Acc: 98.31%

[Epoch 443] Loss: 0.1993, Supervised: 4.1588, Unsupervised: 8.2008, Acc: 97.96%

[Epoch 444] Loss: 0.2079, Supervised: 4.2990, Unsupervised: 8.5911, Acc: 97.83%

[Epoch 445] Loss: 0.2114, Supervised: 4.1903, Unsupervised: 8.9169, Acc: 97.98%

[Epoch 446] Loss: 0.1758, Supervised: 3.4200, Unsupervised: 7.4771, Acc: 98.41%

[Epoch 447] Loss: 0.2191, Supervised: 4.5108, Unsupervised: 9.0751, Acc: 97.86%

[Epoch 448] Loss: 0.1907, Supervised: 4.1890, Unsupervised: 7.6334, Acc: 97.81%

[Epoch 449] Loss: 0.1989, Supervised: 3.9553, Unsupervised: 8.3751, Acc: 97.93%

[Epoch 450] Loss: 0.2092, Supervised: 4.3340, Unsupervised: 8.6371, Acc: 97.86%

[Epoch 451] Loss: 0.1824, Supervised: 3.6022, Unsupervised: 7.7066, Acc: 98.34%

[Epoch 452] Loss: 0.2177, Supervised: 4.5155, Unsupervised: 8.9836, Acc: 97.73%

[Epoch 453] Loss: 0.2443, Supervised: 5.1113, Unsupervised: 10.0326, Acc: 97.15%

[Epoch 454] Loss: 0.2058, Supervised: 3.8804, Unsupervised: 8.8810, Acc: 98.26%

[Epoch 455] Loss: 0.1918, Supervised: 3.7192, Unsupervised: 8.1731, Acc: 98.19%

[Epoch 456] Loss: 0.1751, Supervised: 3.3100, Unsupervised: 7.5455, Acc: 98.36%

[Epoch 457] Loss: 0.1892, Supervised: 3.4173, Unsupervised: 8.3158, Acc: 98.29%

[Epoch 458] Loss: 0.1998, Supervised: 4.0604, Unsupervised: 8.3296, Acc: 98.14%

[Epoch 459] Loss: 0.2048, Supervised: 4.0960, Unsupervised: 8.5999, Acc: 98.08%

[Epoch 460] Loss: 0.1742, Supervised: 3.6732, Unsupervised: 7.1258, Acc: 98.06%

[Epoch 461] Loss: 0.1953, Supervised: 3.9954, Unsupervised: 8.1131, Acc: 98.01%

[Epoch 462] Loss: 0.2023, Supervised: 3.3672, Unsupervised: 9.1784, Acc: 98.56%

[Epoch 463] Loss: 0.2076, Supervised: 4.2432, Unsupervised: 8.6260, Acc: 97.81%

[Epoch 464] Loss: 0.1659, Supervised: 3.1123, Unsupervised: 7.1711, Acc: 98.41%

[Epoch 465] Loss: 0.1919, Supervised: 3.6517, Unsupervised: 8.2463, Acc: 98.11%

[Epoch 466] Loss: 0.1940, Supervised: 3.7354, Unsupervised: 8.2951, Acc: 98.19%

[Epoch 467] Loss: 0.1931, Supervised: 4.0809, Unsupervised: 7.8923, Acc: 97.96%

[Epoch 468] Loss: 0.2023, Supervised: 3.5073, Unsupervised: 9.0361, Acc: 98.36%

[Epoch 469] Loss: 0.1949, Supervised: 3.9646, Unsupervised: 8.1203, Acc: 98.14%

[Epoch 470] Loss: 0.1869, Supervised: 3.1690, Unsupervised: 8.4208, Acc: 98.46%

[Epoch 471] Loss: 0.2088, Supervised: 4.3468, Unsupervised: 8.5978, Acc: 97.83%

[Epoch 472] Loss: 0.1685, Supervised: 3.4453, Unsupervised: 7.0009, Acc: 98.14%

[Epoch 473] Loss: 0.1632, Supervised: 3.2657, Unsupervised: 6.8528, Acc: 98.41%

[Epoch 474] Loss: 0.2037, Supervised: 4.3566, Unsupervised: 8.2718, Acc: 97.93%

[Epoch 475] Loss: 0.2072, Supervised: 3.9403, Unsupervised: 8.9044, Acc: 98.11%

[Epoch 476] Loss: 0.1738, Supervised: 3.7633, Unsupervised: 7.0147, Acc: 98.19%

[Epoch 477] Loss: 0.1987, Supervised: 4.0400, Unsupervised: 8.2774, Acc: 97.76%

[Epoch 478] Loss: 0.1976, Supervised: 4.4468, Unsupervised: 7.8038, Acc: 97.56%

[Epoch 479] Loss: 0.1782, Supervised: 3.1753, Unsupervised: 7.8701, Acc: 98.49%

[Epoch 480] Loss: 0.1983, Supervised: 3.8640, Unsupervised: 8.4298, Acc: 97.76%

[Epoch 481] Loss: 0.1861, Supervised: 3.5198, Unsupervised: 8.0180, Acc: 98.39%

[Epoch 482] Loss: 0.1807, Supervised: 3.4412, Unsupervised: 7.7649, Acc: 98.24%

[Epoch 483] Loss: 0.1794, Supervised: 3.9672, Unsupervised: 7.1572, Acc: 98.08%

[Epoch 484] Loss: 0.1767, Supervised: 2.8409, Unsupervised: 8.1118, Acc: 98.79%

[Epoch 485] Loss: 0.1849, Supervised: 3.5437, Unsupervised: 7.9215, Acc: 98.19%

[Epoch 486] Loss: 0.2025, Supervised: 3.9193, Unsupervised: 8.6354, Acc: 97.88%

[Epoch 487] Loss: 0.2061, Supervised: 4.3846, Unsupervised: 8.3957, Acc: 97.73%

[Epoch 488] Loss: 0.1825, Supervised: 3.6202, Unsupervised: 7.6966, Acc: 98.24%

[Epoch 489] Loss: 0.1995, Supervised: 4.1792, Unsupervised: 8.1915, Acc: 97.83%

[Epoch 490] Loss: 0.1964, Supervised: 3.5934, Unsupervised: 8.5804, Acc: 98.06%

[Epoch 491] Loss: 0.1821, Supervised: 3.2987, Unsupervised: 7.9945, Acc: 98.39%

[Epoch 492] Loss: 0.1959, Supervised: 3.7333, Unsupervised: 8.4143, Acc: 97.96%

[Epoch 493] Loss: 0.1811, Supervised: 3.5372, Unsupervised: 7.6895, Acc: 98.34%

[Epoch 494] Loss: 0.1944, Supervised: 3.6596, Unsupervised: 8.3920, Acc: 97.96%

[Epoch 495] Loss: 0.1980, Supervised: 3.8641, Unsupervised: 8.4106, Acc: 98.08%

[Epoch 496] Loss: 0.1946, Supervised: 3.9079, Unsupervised: 8.1583, Acc: 97.98%

[Epoch 497] Loss: 0.1854, Supervised: 3.6261, Unsupervised: 7.8680, Acc: 98.24%

[Epoch 498] Loss: 0.1833, Supervised: 3.2749, Unsupervised: 8.0913, Acc: 98.34%

[Epoch 499] Loss: 0.2145, Supervised: 4.0761, Unsupervised: 9.2243, Acc: 98.14%

[Seed 0] Test Accuracy: 82.08%

CIFAR10 | l=4000, p=0.3 => Accuracy: 82.08 ± 0.00

Process finished with exit code 0

D:\Python3.11.5\python.exe "D:\test\_cuda\modify\main1(2).py"

Running experiment: fashion\_mnist | l=4000 | p=0.3 | seed=0

Dataset fashion\_mnist: 4000 labeled, 56000 unlabeled

Average candidate labels: 3.00

[Epoch 0] Loss: 1.4916, Supervised: 89.0807, Unsupervised: 3.3997, Acc: 48.41%

[Epoch 1] Loss: 1.0283, Supervised: 54.5082, Unsupervised: 9.2479, Acc: 68.85%

[Epoch 2] Loss: 0.8230, Supervised: 43.3071, Unsupervised: 7.7219, Acc: 75.15%

[Epoch 3] Loss: 0.7226, Supervised: 39.0663, Unsupervised: 5.7350, Acc: 77.12%

[Epoch 4] Loss: 0.6773, Supervised: 35.7413, Unsupervised: 6.2507, Acc: 78.93%

[Epoch 5] Loss: 0.6183, Supervised: 32.7212, Unsupervised: 5.6149, Acc: 79.89%

[Epoch 6] Loss: 0.6027, Supervised: 31.9405, Unsupervised: 5.4300, Acc: 81.02%

[Epoch 7] Loss: 0.5476, Supervised: 28.4062, Unsupervised: 5.5438, Acc: 83.47%

[Epoch 8] Loss: 0.5516, Supervised: 29.0788, Unsupervised: 5.1213, Acc: 82.86%

[Epoch 9] Loss: 0.5253, Supervised: 27.1046, Unsupervised: 5.4629, Acc: 83.17%

[Epoch 10] Loss: 0.4903, Supervised: 25.3956, Unsupervised: 5.0028, Acc: 84.63%

[Epoch 11] Loss: 0.4938, Supervised: 25.1841, Unsupervised: 5.4287, Acc: 84.95%

[Epoch 12] Loss: 0.4577, Supervised: 22.8522, Unsupervised: 5.5245, Acc: 85.96%

[Epoch 13] Loss: 0.4520, Supervised: 22.5859, Unsupervised: 5.4362, Acc: 86.79%

[Epoch 14] Loss: 0.4905, Supervised: 24.5019, Unsupervised: 5.9096, Acc: 85.81%

[Epoch 15] Loss: 0.4266, Supervised: 21.9598, Unsupervised: 4.4865, Acc: 86.64%

[Epoch 16] Loss: 0.4003, Supervised: 20.1759, Unsupervised: 4.6427, Acc: 88.38%

[Epoch 17] Loss: 0.4144, Supervised: 20.9172, Unsupervised: 4.7760, Acc: 86.97%

[Epoch 18] Loss: 0.3970, Supervised: 19.8012, Unsupervised: 4.8120, Acc: 88.31%

[Epoch 19] Loss: 0.3964, Supervised: 20.1416, Unsupervised: 4.4366, Acc: 87.50%

[Epoch 20] Loss: 0.3765, Supervised: 19.0864, Unsupervised: 4.2579, Acc: 88.03%

[Epoch 21] Loss: 0.3848, Supervised: 18.8794, Unsupervised: 4.9808, Acc: 88.53%

[Epoch 22] Loss: 0.3557, Supervised: 17.4951, Unsupervised: 4.5563, Acc: 89.16%

[Epoch 23] Loss: 0.3624, Supervised: 17.2156, Unsupervised: 5.2528, Acc: 89.69%

[Epoch 24] Loss: 0.3685, Supervised: 17.9664, Unsupervised: 4.8790, Acc: 89.09%

[Epoch 25] Loss: 0.3447, Supervised: 17.2345, Unsupervised: 4.1398, Acc: 89.47%

[Epoch 26] Loss: 0.3301, Supervised: 15.8388, Unsupervised: 4.6267, Acc: 90.12%

[Epoch 27] Loss: 0.3309, Supervised: 15.5452, Unsupervised: 4.9675, Acc: 90.75%

[Epoch 28] Loss: 0.3538, Supervised: 16.6070, Unsupervised: 5.3271, Acc: 89.39%

[Epoch 29] Loss: 0.3155, Supervised: 15.0270, Unsupervised: 4.5318, Acc: 90.50%

[Epoch 30] Loss: 0.3208, Supervised: 14.5503, Unsupervised: 5.3408, Acc: 91.20%

[Epoch 31] Loss: 0.3091, Supervised: 14.4114, Unsupervised: 4.7526, Acc: 91.36%

[Epoch 32] Loss: 0.3012, Supervised: 13.9598, Unsupervised: 4.7118, Acc: 91.10%

[Epoch 33] Loss: 0.2931, Supervised: 13.9626, Unsupervised: 4.2096, Acc: 92.11%

[Epoch 34] Loss: 0.2969, Supervised: 13.2630, Unsupervised: 5.1436, Acc: 92.09%

[Epoch 35] Loss: 0.3000, Supervised: 13.2927, Unsupervised: 5.3089, Acc: 92.11%

[Epoch 36] Loss: 0.2848, Supervised: 13.2134, Unsupervised: 4.4421, Acc: 91.99%

[Epoch 37] Loss: 0.2837, Supervised: 12.4673, Unsupervised: 5.1198, Acc: 92.24%

[Epoch 38] Loss: 0.2884, Supervised: 12.7898, Unsupervised: 5.0920, Acc: 92.04%

[Epoch 39] Loss: 0.2918, Supervised: 12.7179, Unsupervised: 5.3708, Acc: 92.72%

[Epoch 40] Loss: 0.2524, Supervised: 11.5553, Unsupervised: 4.0916, Acc: 92.82%

[Epoch 41] Loss: 0.2727, Supervised: 12.3832, Unsupervised: 4.5259, Acc: 92.49%

[Epoch 42] Loss: 0.2681, Supervised: 11.8953, Unsupervised: 4.7242, Acc: 92.79%

[Epoch 43] Loss: 0.2712, Supervised: 11.6266, Unsupervised: 5.1861, Acc: 93.02%

[Epoch 44] Loss: 0.2732, Supervised: 11.9089, Unsupervised: 5.0325, Acc: 92.74%

[Epoch 45] Loss: 0.2572, Supervised: 11.2195, Unsupervised: 4.7284, Acc: 93.20%

[Epoch 46] Loss: 0.2563, Supervised: 10.4185, Unsupervised: 5.4738, Acc: 93.65%

[Epoch 47] Loss: 0.2801, Supervised: 11.8151, Unsupervised: 5.5480, Acc: 93.25%

[Epoch 48] Loss: 0.2468, Supervised: 10.3963, Unsupervised: 4.9067, Acc: 93.45%

[Epoch 49] Loss: 0.2477, Supervised: 10.4004, Unsupervised: 4.9547, Acc: 94.03%

[Epoch 50] Loss: 0.2358, Supervised: 9.7660, Unsupervised: 4.8541, Acc: 94.43%

[Epoch 51] Loss: 0.2441, Supervised: 10.2483, Unsupervised: 4.8842, Acc: 94.03%

[Epoch 52] Loss: 0.2438, Supervised: 9.6489, Unsupervised: 5.4648, Acc: 94.68%

[Epoch 53] Loss: 0.2420, Supervised: 9.7612, Unsupervised: 5.2438, Acc: 94.05%

[Epoch 54] Loss: 0.2451, Supervised: 9.9238, Unsupervised: 5.2737, Acc: 93.75%

[Epoch 55] Loss: 0.2593, Supervised: 10.0180, Unsupervised: 6.0580, Acc: 93.67%

[Epoch 56] Loss: 0.2284, Supervised: 9.4544, Unsupervised: 4.7095, Acc: 94.03%

[Epoch 57] Loss: 0.2416, Supervised: 10.0693, Unsupervised: 4.9101, Acc: 93.57%

[Epoch 58] Loss: 0.2474, Supervised: 9.0476, Unsupervised: 6.2894, Acc: 94.68%

[Epoch 59] Loss: 0.2427, Supervised: 9.7537, Unsupervised: 5.2954, Acc: 93.98%

[Epoch 60] Loss: 0.2227, Supervised: 9.0249, Unsupervised: 4.7831, Acc: 94.48%

[Epoch 61] Loss: 0.2298, Supervised: 8.7189, Unsupervised: 5.5277, Acc: 94.91%

[Epoch 62] Loss: 0.2221, Supervised: 7.9607, Unsupervised: 5.8074, Acc: 94.83%

[Epoch 63] Loss: 0.2407, Supervised: 8.8828, Unsupervised: 6.0413, Acc: 94.63%

[Epoch 64] Loss: 0.2069, Supervised: 7.4623, Unsupervised: 5.3648, Acc: 95.59%

[Epoch 65] Loss: 0.2386, Supervised: 9.5081, Unsupervised: 5.2852, Acc: 94.30%

[Epoch 66] Loss: 0.2242, Supervised: 8.9397, Unsupervised: 4.9616, Acc: 94.51%

[Epoch 67] Loss: 0.2050, Supervised: 7.8461, Unsupervised: 4.8666, Acc: 95.67%

[Epoch 68] Loss: 0.2260, Supervised: 8.2108, Unsupervised: 5.8007, Acc: 94.91%

[Epoch 69] Loss: 0.2330, Supervised: 8.6370, Unsupervised: 5.8119, Acc: 94.86%

[Epoch 70] Loss: 0.2232, Supervised: 8.1921, Unsupervised: 5.6481, Acc: 95.29%

[Epoch 71] Loss: 0.1896, Supervised: 7.1752, Unsupervised: 4.5814, Acc: 95.74%

[Epoch 72] Loss: 0.1943, Supervised: 6.2886, Unsupervised: 5.7594, Acc: 96.32%

[Epoch 73] Loss: 0.2115, Supervised: 7.6441, Unsupervised: 5.4679, Acc: 95.69%

[Epoch 74] Loss: 0.1951, Supervised: 6.7526, Unsupervised: 5.3453, Acc: 95.79%

[Epoch 75] Loss: 0.1951, Supervised: 6.4850, Unsupervised: 5.6106, Acc: 96.09%

[Epoch 76] Loss: 0.1995, Supervised: 7.0786, Unsupervised: 5.2902, Acc: 95.97%

[Epoch 77] Loss: 0.2046, Supervised: 7.2819, Unsupervised: 5.4036, Acc: 95.56%

[Epoch 78] Loss: 0.2012, Supervised: 6.5889, Unsupervised: 5.8881, Acc: 96.07%

[Epoch 79] Loss: 0.2162, Supervised: 7.5058, Unsupervised: 5.8992, Acc: 95.69%

[Epoch 80] Loss: 0.1920, Supervised: 6.2560, Unsupervised: 5.6485, Acc: 96.19%

[Epoch 81] Loss: 0.2012, Supervised: 6.7984, Unsupervised: 5.6766, Acc: 95.89%

[Epoch 82] Loss: 0.1909, Supervised: 6.8303, Unsupervised: 5.0046, Acc: 95.77%

[Epoch 83] Loss: 0.2125, Supervised: 7.3637, Unsupervised: 5.8117, Acc: 95.64%

[Epoch 84] Loss: 0.1907, Supervised: 6.9296, Unsupervised: 4.8951, Acc: 95.92%

[Epoch 85] Loss: 0.2064, Supervised: 6.9278, Unsupervised: 5.8712, Acc: 95.99%

[Epoch 86] Loss: 0.1830, Supervised: 6.3443, Unsupervised: 5.0023, Acc: 96.45%

[Epoch 87] Loss: 0.2091, Supervised: 6.5562, Unsupervised: 6.4092, Acc: 96.12%

[Epoch 88] Loss: 0.2046, Supervised: 6.6857, Unsupervised: 6.0024, Acc: 96.32%

[Epoch 89] Loss: 0.2036, Supervised: 6.6504, Unsupervised: 5.9701, Acc: 96.04%

[Epoch 90] Loss: 0.1878, Supervised: 6.4513, Unsupervised: 5.1950, Acc: 96.19%

[Epoch 91] Loss: 0.2167, Supervised: 7.4030, Unsupervised: 6.0352, Acc: 95.69%

[Epoch 92] Loss: 0.1855, Supervised: 6.0566, Unsupervised: 5.4457, Acc: 96.60%

[Epoch 93] Loss: 0.1886, Supervised: 5.6703, Unsupervised: 6.0239, Acc: 96.50%

[Epoch 94] Loss: 0.1860, Supervised: 6.3425, Unsupervised: 5.1899, Acc: 96.42%

[Epoch 95] Loss: 0.2089, Supervised: 6.8287, Unsupervised: 6.1244, Acc: 96.07%

[Epoch 96] Loss: 0.1929, Supervised: 6.1260, Unsupervised: 5.8354, Acc: 96.50%

[Epoch 97] Loss: 0.1707, Supervised: 5.5433, Unsupervised: 5.0405, Acc: 97.20%

[Epoch 98] Loss: 0.2018, Supervised: 6.3148, Unsupervised: 6.1971, Acc: 96.12%

[Epoch 99] Loss: 0.1827, Supervised: 5.6971, Unsupervised: 5.6319, Acc: 96.42%

[Epoch 100] Loss: 0.1932, Supervised: 6.3089, Unsupervised: 5.6725, Acc: 96.30%

[Epoch 101] Loss: 0.1705, Supervised: 5.6702, Unsupervised: 4.9012, Acc: 96.65%

[Epoch 102] Loss: 0.1806, Supervised: 5.2436, Unsupervised: 5.9528, Acc: 97.03%

[Epoch 103] Loss: 0.1681, Supervised: 5.5783, Unsupervised: 4.8409, Acc: 96.37%

[Epoch 104] Loss: 0.1891, Supervised: 6.1326, Unsupervised: 5.5941, Acc: 96.67%

[Epoch 105] Loss: 0.1698, Supervised: 5.6825, Unsupervised: 4.8470, Acc: 96.82%

[Epoch 106] Loss: 0.1676, Supervised: 4.9070, Unsupervised: 5.4871, Acc: 97.33%

[Epoch 107] Loss: 0.1792, Supervised: 5.6493, Unsupervised: 5.4583, Acc: 96.77%

[Epoch 108] Loss: 0.1512, Supervised: 4.6651, Unsupervised: 4.7073, Acc: 97.23%

[Epoch 109] Loss: 0.1783, Supervised: 5.6070, Unsupervised: 5.4479, Acc: 96.72%

[Epoch 110] Loss: 0.1534, Supervised: 4.2499, Unsupervised: 5.2625, Acc: 97.35%

[Epoch 111] Loss: 0.1994, Supervised: 5.8766, Unsupervised: 6.4841, Acc: 96.52%

[Epoch 112] Loss: 0.1927, Supervised: 5.2785, Unsupervised: 6.6686, Acc: 96.77%

[Epoch 113] Loss: 0.1819, Supervised: 5.2964, Unsupervised: 5.9831, Acc: 97.13%

[Epoch 114] Loss: 0.1844, Supervised: 5.8949, Unsupervised: 5.5393, Acc: 96.62%

[Epoch 115] Loss: 0.1600, Supervised: 4.7172, Unsupervised: 5.2052, Acc: 97.25%

[Epoch 116] Loss: 0.1864, Supervised: 5.4009, Unsupervised: 6.1543, Acc: 96.95%

[Epoch 117] Loss: 0.1682, Supervised: 4.6619, Unsupervised: 5.7685, Acc: 97.53%

[Epoch 118] Loss: 0.1747, Supervised: 4.8277, Unsupervised: 6.0027, Acc: 97.00%

[Epoch 119] Loss: 0.1805, Supervised: 5.5411, Unsupervised: 5.6513, Acc: 96.75%

[Epoch 120] Loss: 0.1748, Supervised: 5.1303, Unsupervised: 5.7087, Acc: 97.25%

[Epoch 121] Loss: 0.1655, Supervised: 4.5725, Unsupervised: 5.6913, Acc: 97.45%

[Epoch 122] Loss: 0.1812, Supervised: 5.3568, Unsupervised: 5.8766, Acc: 96.98%

[Epoch 123] Loss: 0.1631, Supervised: 4.5069, Unsupervised: 5.6034, Acc: 97.51%

[Epoch 124] Loss: 0.1668, Supervised: 5.0553, Unsupervised: 5.2832, Acc: 97.05%

[Epoch 125] Loss: 0.1647, Supervised: 4.8617, Unsupervised: 5.3502, Acc: 97.35%

[Epoch 126] Loss: 0.1579, Supervised: 4.4692, Unsupervised: 5.3197, Acc: 97.30%

[Epoch 127] Loss: 0.1542, Supervised: 4.4519, Unsupervised: 5.1069, Acc: 97.40%

[Epoch 128] Loss: 0.1677, Supervised: 4.6899, Unsupervised: 5.7087, Acc: 97.43%

[Epoch 129] Loss: 0.2023, Supervised: 6.4265, Unsupervised: 6.1139, Acc: 95.89%

[Epoch 130] Loss: 0.1494, Supervised: 4.1779, Unsupervised: 5.0829, Acc: 97.68%

[Epoch 131] Loss: 0.1451, Supervised: 4.2922, Unsupervised: 4.7064, Acc: 97.73%

[Epoch 132] Loss: 0.1674, Supervised: 4.7507, Unsupervised: 5.6274, Acc: 97.18%

[Epoch 133] Loss: 0.2089, Supervised: 6.0357, Unsupervised: 6.9185, Acc: 96.77%

[Epoch 134] Loss: 0.1459, Supervised: 4.1002, Unsupervised: 4.9471, Acc: 97.51%

[Epoch 135] Loss: 0.1618, Supervised: 4.6452, Unsupervised: 5.3836, Acc: 97.30%

[Epoch 136] Loss: 0.1569, Supervised: 4.2865, Unsupervised: 5.4430, Acc: 97.58%

[Epoch 137] Loss: 0.1538, Supervised: 4.1059, Unsupervised: 5.4313, Acc: 97.76%

[Epoch 138] Loss: 0.1501, Supervised: 4.0237, Unsupervised: 5.2808, Acc: 97.76%

[Epoch 139] Loss: 0.1851, Supervised: 5.3127, Unsupervised: 6.1611, Acc: 96.77%

[Epoch 140] Loss: 0.1887, Supervised: 5.3935, Unsupervised: 6.3059, Acc: 96.95%

[Epoch 141] Loss: 0.1707, Supervised: 4.4959, Unsupervised: 6.0845, Acc: 97.68%

[Epoch 142] Loss: 0.1619, Supervised: 4.5165, Unsupervised: 5.5242, Acc: 97.61%

[Epoch 143] Loss: 0.1706, Supervised: 5.0225, Unsupervised: 5.5546, Acc: 97.15%

[Epoch 144] Loss: 0.1829, Supervised: 4.5169, Unsupervised: 6.8202, Acc: 97.53%

[Epoch 145] Loss: 0.1830, Supervised: 5.0702, Unsupervised: 6.2772, Acc: 97.13%

[Epoch 146] Loss: 0.1531, Supervised: 3.8394, Unsupervised: 5.6528, Acc: 97.93%

[Epoch 147] Loss: 0.1811, Supervised: 5.1022, Unsupervised: 6.1252, Acc: 96.90%

[Epoch 148] Loss: 0.1409, Supervised: 3.5953, Unsupervised: 5.1391, Acc: 97.93%

[Epoch 149] Loss: 0.1661, Supervised: 4.2975, Unsupervised: 6.0038, Acc: 97.58%

[Epoch 150] Loss: 0.1634, Supervised: 4.3799, Unsupervised: 5.7478, Acc: 97.56%

[Epoch 151] Loss: 0.1616, Supervised: 3.9172, Unsupervised: 6.1037, Acc: 97.68%

[Epoch 152] Loss: 0.1570, Supervised: 4.2712, Unsupervised: 5.4616, Acc: 97.61%

[Epoch 153] Loss: 0.1994, Supervised: 5.6321, Unsupervised: 6.7298, Acc: 96.75%

[Epoch 154] Loss: 0.1550, Supervised: 4.5994, Unsupervised: 5.0137, Acc: 97.43%

[Epoch 155] Loss: 0.1695, Supervised: 3.9458, Unsupervised: 6.5660, Acc: 97.93%

[Epoch 156] Loss: 0.1654, Supervised: 4.6452, Unsupervised: 5.6073, Acc: 97.51%

[Epoch 157] Loss: 0.1770, Supervised: 5.0161, Unsupervised: 5.9563, Acc: 97.10%

[Epoch 158] Loss: 0.1630, Supervised: 3.9391, Unsupervised: 6.1667, Acc: 97.83%

[Epoch 159] Loss: 0.1577, Supervised: 3.6228, Unsupervised: 6.1520, Acc: 98.11%

[Epoch 160] Loss: 0.1833, Supervised: 5.4744, Unsupervised: 5.8912, Acc: 96.82%

[Epoch 161] Loss: 0.1593, Supervised: 4.4859, Unsupervised: 5.3928, Acc: 97.35%

[Epoch 162] Loss: 0.1557, Supervised: 3.9361, Unsupervised: 5.7159, Acc: 97.91%

[Epoch 163] Loss: 0.1475, Supervised: 4.0454, Unsupervised: 5.0968, Acc: 97.63%

[Epoch 164] Loss: 0.1634, Supervised: 4.3727, Unsupervised: 5.7573, Acc: 97.73%

[Epoch 165] Loss: 0.1516, Supervised: 4.1391, Unsupervised: 5.2623, Acc: 97.73%

[Epoch 166] Loss: 0.1605, Supervised: 3.9030, Unsupervised: 6.0452, Acc: 97.78%

[Epoch 167] Loss: 0.1895, Supervised: 4.8346, Unsupervised: 6.9143, Acc: 97.10%

[Epoch 168] Loss: 0.1782, Supervised: 5.0157, Unsupervised: 6.0332, Acc: 96.98%

[Epoch 169] Loss: 0.1532, Supervised: 3.6711, Unsupervised: 5.8299, Acc: 97.78%

[Epoch 170] Loss: 0.1383, Supervised: 3.4982, Unsupervised: 5.0776, Acc: 98.03%

[Epoch 171] Loss: 0.1509, Supervised: 3.6186, Unsupervised: 5.7355, Acc: 98.03%

[Epoch 172] Loss: 0.1602, Supervised: 3.9238, Unsupervised: 6.0103, Acc: 97.88%

[Epoch 173] Loss: 0.1599, Supervised: 4.5321, Unsupervised: 5.3817, Acc: 97.38%

[Epoch 174] Loss: 0.1472, Supervised: 3.9499, Unsupervised: 5.1759, Acc: 97.71%

[Epoch 175] Loss: 0.1611, Supervised: 3.9541, Unsupervised: 6.0360, Acc: 97.91%

[Epoch 176] Loss: 0.1790, Supervised: 4.5239, Unsupervised: 6.5745, Acc: 97.38%

[Epoch 177] Loss: 0.1499, Supervised: 3.3029, Unsupervised: 5.9929, Acc: 98.11%

[Epoch 178] Loss: 0.1439, Supervised: 3.9073, Unsupervised: 5.0170, Acc: 97.71%

[Epoch 179] Loss: 0.1489, Supervised: 3.6525, Unsupervised: 5.5800, Acc: 97.86%

[Epoch 180] Loss: 0.1573, Supervised: 4.8750, Unsupervised: 4.8766, Acc: 97.20%

[Epoch 181] Loss: 0.1450, Supervised: 3.2645, Unsupervised: 5.7225, Acc: 97.88%

[Epoch 182] Loss: 0.1624, Supervised: 3.8790, Unsupervised: 6.1874, Acc: 97.81%

[Epoch 183] Loss: 0.1657, Supervised: 3.5857, Unsupervised: 6.6892, Acc: 98.21%

[Epoch 184] Loss: 0.1446, Supervised: 3.7003, Unsupervised: 5.2623, Acc: 97.86%

[Epoch 185] Loss: 0.1402, Supervised: 3.8109, Unsupervised: 4.8827, Acc: 98.03%

[Epoch 186] Loss: 0.1779, Supervised: 4.5159, Unsupervised: 6.5130, Acc: 97.38%

[Epoch 187] Loss: 0.1412, Supervised: 3.6589, Unsupervised: 5.0924, Acc: 98.11%

[Epoch 188] Loss: 0.1456, Supervised: 3.6399, Unsupervised: 5.3873, Acc: 97.93%

[Epoch 189] Loss: 0.1607, Supervised: 3.7021, Unsupervised: 6.2583, Acc: 97.88%

[Epoch 190] Loss: 0.1581, Supervised: 4.2736, Unsupervised: 5.5262, Acc: 97.63%

[Epoch 191] Loss: 0.1674, Supervised: 4.6061, Unsupervised: 5.7755, Acc: 97.10%

[Epoch 192] Loss: 0.1664, Supervised: 3.8702, Unsupervised: 6.4476, Acc: 97.96%

[Epoch 193] Loss: 0.1499, Supervised: 3.6092, Unsupervised: 5.6859, Acc: 97.98%

[Epoch 194] Loss: 0.1510, Supervised: 3.8952, Unsupervised: 5.4646, Acc: 97.86%

[Epoch 195] Loss: 0.1464, Supervised: 3.6642, Unsupervised: 5.4095, Acc: 97.83%

[Epoch 196] Loss: 0.1596, Supervised: 4.0823, Unsupervised: 5.8123, Acc: 97.81%

[Epoch 197] Loss: 0.1646, Supervised: 3.8490, Unsupervised: 6.3542, Acc: 98.01%

[Epoch 198] Loss: 0.1614, Supervised: 4.4364, Unsupervised: 5.5688, Acc: 97.45%

[Epoch 199] Loss: 0.1493, Supervised: 3.4559, Unsupervised: 5.7980, Acc: 98.08%

[Epoch 200] Loss: 0.1586, Supervised: 3.6898, Unsupervised: 6.1443, Acc: 97.96%

[Epoch 201] Loss: 0.1531, Supervised: 3.5700, Unsupervised: 5.9235, Acc: 97.91%

[Epoch 202] Loss: 0.1380, Supervised: 3.9274, Unsupervised: 4.6279, Acc: 97.98%

[Epoch 203] Loss: 0.1477, Supervised: 3.7960, Unsupervised: 5.3622, Acc: 97.78%

[Epoch 204] Loss: 0.1539, Supervised: 3.6485, Unsupervised: 5.8917, Acc: 97.98%

[Epoch 205] Loss: 0.1465, Supervised: 3.4339, Unsupervised: 5.6489, Acc: 97.83%

[Epoch 206] Loss: 0.1555, Supervised: 3.6217, Unsupervised: 6.0174, Acc: 98.06%

[Epoch 207] Loss: 0.1531, Supervised: 3.8466, Unsupervised: 5.6436, Acc: 97.81%

[Epoch 208] Loss: 0.1544, Supervised: 3.6996, Unsupervised: 5.8723, Acc: 98.03%

[Epoch 209] Loss: 0.1488, Supervised: 3.7365, Unsupervised: 5.4888, Acc: 97.73%

[Epoch 210] Loss: 0.1410, Supervised: 3.0459, Unsupervised: 5.6937, Acc: 98.39%

[Epoch 211] Loss: 0.1358, Supervised: 3.1792, Unsupervised: 5.2403, Acc: 98.21%

[Epoch 212] Loss: 0.1422, Supervised: 3.3788, Unsupervised: 5.4368, Acc: 98.14%

[Epoch 213] Loss: 0.1853, Supervised: 4.4297, Unsupervised: 7.0564, Acc: 97.58%

[Epoch 214] Loss: 0.1573, Supervised: 3.9243, Unsupervised: 5.8288, Acc: 97.63%

[Epoch 215] Loss: 0.1625, Supervised: 3.8073, Unsupervised: 6.2686, Acc: 97.93%

[Epoch 216] Loss: 0.1513, Supervised: 3.4252, Unsupervised: 5.9566, Acc: 98.19%

[Epoch 217] Loss: 0.1376, Supervised: 3.1815, Unsupervised: 5.3501, Acc: 98.29%

[Epoch 218] Loss: 0.1543, Supervised: 3.7770, Unsupervised: 5.7924, Acc: 97.76%

[Epoch 219] Loss: 0.1449, Supervised: 3.4905, Unsupervised: 5.4912, Acc: 98.03%

[Epoch 220] Loss: 0.1443, Supervised: 3.2715, Unsupervised: 5.6755, Acc: 97.83%

[Epoch 221] Loss: 0.1546, Supervised: 3.6165, Unsupervised: 5.9662, Acc: 98.19%

[Epoch 222] Loss: 0.1371, Supervised: 2.8732, Unsupervised: 5.6248, Acc: 98.39%

[Epoch 223] Loss: 0.1669, Supervised: 4.1699, Unsupervised: 6.1783, Acc: 97.83%

[Epoch 224] Loss: 0.1497, Supervised: 3.4055, Unsupervised: 5.8735, Acc: 98.34%

[Epoch 225] Loss: 0.1518, Supervised: 3.7458, Unsupervised: 5.6666, Acc: 97.88%

[Epoch 226] Loss: 0.1574, Supervised: 3.5278, Unsupervised: 6.2288, Acc: 98.16%

[Epoch 227] Loss: 0.1585, Supervised: 3.6491, Unsupervised: 6.1774, Acc: 98.03%

[Epoch 228] Loss: 0.1623, Supervised: 4.1688, Unsupervised: 5.8912, Acc: 97.56%

[Epoch 229] Loss: 0.1515, Supervised: 3.5076, Unsupervised: 5.8839, Acc: 98.11%

[Epoch 230] Loss: 0.1502, Supervised: 3.2670, Unsupervised: 6.0482, Acc: 98.16%

[Epoch 231] Loss: 0.1423, Supervised: 3.5478, Unsupervised: 5.2756, Acc: 98.16%

[Epoch 232] Loss: 0.1641, Supervised: 3.7809, Unsupervised: 6.3911, Acc: 97.91%

[Epoch 233] Loss: 0.1386, Supervised: 3.2250, Unsupervised: 5.3696, Acc: 98.29%

[Epoch 234] Loss: 0.1546, Supervised: 3.0582, Unsupervised: 6.5241, Acc: 98.29%

[Epoch 235] Loss: 0.1673, Supervised: 4.3850, Unsupervised: 5.9865, Acc: 97.48%

[Epoch 236] Loss: 0.1306, Supervised: 2.9981, Unsupervised: 5.1008, Acc: 98.36%

[Epoch 237] Loss: 0.1572, Supervised: 3.3989, Unsupervised: 6.3488, Acc: 98.06%

[Epoch 238] Loss: 0.1449, Supervised: 3.6856, Unsupervised: 5.2991, Acc: 97.83%

[Epoch 239] Loss: 0.1673, Supervised: 4.1475, Unsupervised: 6.2250, Acc: 97.83%

[Epoch 240] Loss: 0.1549, Supervised: 3.3273, Unsupervised: 6.2779, Acc: 98.31%

[Epoch 241] Loss: 0.1352, Supervised: 2.6125, Unsupervised: 5.7692, Acc: 98.71%

[Epoch 242] Loss: 0.1679, Supervised: 4.1284, Unsupervised: 6.2828, Acc: 97.56%

[Epoch 243] Loss: 0.1432, Supervised: 3.1692, Unsupervised: 5.7086, Acc: 98.34%

[Epoch 244] Loss: 0.1494, Supervised: 3.4165, Unsupervised: 5.8461, Acc: 97.91%

[Epoch 245] Loss: 0.1589, Supervised: 4.0808, Unsupervised: 5.7702, Acc: 97.71%

[Epoch 246] Loss: 0.1570, Supervised: 3.3497, Unsupervised: 6.3851, Acc: 98.44%

[Epoch 247] Loss: 0.1572, Supervised: 4.4638, Unsupervised: 5.2825, Acc: 97.61%

[Epoch 248] Loss: 0.1479, Supervised: 3.3288, Unsupervised: 5.8418, Acc: 98.08%

[Epoch 249] Loss: 0.1534, Supervised: 2.7452, Unsupervised: 6.7639, Acc: 98.39%

[Epoch 250] Loss: 0.1481, Supervised: 3.3386, Unsupervised: 5.8466, Acc: 98.24%

[Epoch 251] Loss: 0.1618, Supervised: 4.2788, Unsupervised: 5.7536, Acc: 97.68%

[Epoch 252] Loss: 0.1203, Supervised: 2.3366, Unsupervised: 5.1238, Acc: 98.89%

[Epoch 253] Loss: 0.1471, Supervised: 3.2323, Unsupervised: 5.8895, Acc: 98.06%

[Epoch 254] Loss: 0.1602, Supervised: 4.0953, Unsupervised: 5.8368, Acc: 97.78%

[Epoch 255] Loss: 0.1396, Supervised: 3.2940, Unsupervised: 5.3606, Acc: 98.24%

[Epoch 256] Loss: 0.1192, Supervised: 2.5470, Unsupervised: 4.8418, Acc: 98.69%

[Epoch 257] Loss: 0.1496, Supervised: 3.1808, Unsupervised: 6.0915, Acc: 98.14%

[Epoch 258] Loss: 0.1618, Supervised: 3.9089, Unsupervised: 6.1201, Acc: 97.78%

[Epoch 259] Loss: 0.1380, Supervised: 3.3736, Unsupervised: 5.1802, Acc: 98.03%

[Epoch 260] Loss: 0.1539, Supervised: 3.7007, Unsupervised: 5.8401, Acc: 98.08%

[Epoch 261] Loss: 0.1547, Supervised: 3.2706, Unsupervised: 6.3221, Acc: 98.34%

[Epoch 262] Loss: 0.1422, Supervised: 3.0822, Unsupervised: 5.7339, Acc: 98.34%

[Epoch 263] Loss: 0.1563, Supervised: 4.1656, Unsupervised: 5.5280, Acc: 97.40%

[Epoch 264] Loss: 0.1387, Supervised: 3.3242, Unsupervised: 5.2768, Acc: 98.26%

[Epoch 265] Loss: 0.1538, Supervised: 3.9104, Unsupervised: 5.6247, Acc: 97.96%

[Epoch 266] Loss: 0.1575, Supervised: 3.5815, Unsupervised: 6.1820, Acc: 97.93%

[Epoch 267] Loss: 0.1504, Supervised: 3.7127, Unsupervised: 5.6130, Acc: 98.03%

[Epoch 268] Loss: 0.1367, Supervised: 3.5271, Unsupervised: 4.9483, Acc: 98.14%

[Epoch 269] Loss: 0.1506, Supervised: 3.2212, Unsupervised: 6.1160, Acc: 98.16%

[Epoch 270] Loss: 0.1551, Supervised: 3.3587, Unsupervised: 6.2594, Acc: 98.01%

[Epoch 271] Loss: 0.1513, Supervised: 3.6831, Unsupervised: 5.6962, Acc: 97.93%

[Epoch 272] Loss: 0.1296, Supervised: 2.8277, Unsupervised: 5.2060, Acc: 98.39%

[Epoch 273] Loss: 0.1606, Supervised: 3.3689, Unsupervised: 6.5864, Acc: 98.14%

[Epoch 274] Loss: 0.1509, Supervised: 3.4528, Unsupervised: 5.9060, Acc: 98.29%

[Epoch 275] Loss: 0.1501, Supervised: 3.4695, Unsupervised: 5.8393, Acc: 98.11%

[Epoch 276] Loss: 0.1571, Supervised: 3.9916, Unsupervised: 5.7466, Acc: 97.81%

[Epoch 277] Loss: 0.1628, Supervised: 3.8218, Unsupervised: 6.2698, Acc: 97.86%

[Epoch 278] Loss: 0.1498, Supervised: 3.5504, Unsupervised: 5.7382, Acc: 98.26%

[Epoch 279] Loss: 0.1188, Supervised: 2.6778, Unsupervised: 4.6898, Acc: 98.69%

[Epoch 280] Loss: 0.1431, Supervised: 2.6037, Unsupervised: 6.2670, Acc: 98.71%

[Epoch 281] Loss: 0.1443, Supervised: 2.9015, Unsupervised: 6.0482, Acc: 98.41%

[Epoch 282] Loss: 0.1583, Supervised: 4.2307, Unsupervised: 5.5814, Acc: 97.56%

[Epoch 283] Loss: 0.1412, Supervised: 2.9733, Unsupervised: 5.7809, Acc: 98.56%

[Epoch 284] Loss: 0.1462, Supervised: 2.9574, Unsupervised: 6.1047, Acc: 98.51%

[Epoch 285] Loss: 0.1468, Supervised: 3.2204, Unsupervised: 5.8823, Acc: 98.29%

[Epoch 286] Loss: 0.1568, Supervised: 3.7142, Unsupervised: 6.0079, Acc: 97.93%

[Epoch 287] Loss: 0.1402, Supervised: 3.2201, Unsupervised: 5.4709, Acc: 98.19%

[Epoch 288] Loss: 0.1404, Supervised: 3.2739, Unsupervised: 5.4321, Acc: 98.44%

[Epoch 289] Loss: 0.1469, Supervised: 3.0119, Unsupervised: 6.0978, Acc: 98.41%

[Epoch 290] Loss: 0.1394, Supervised: 3.1724, Unsupervised: 5.4730, Acc: 98.31%

[Epoch 291] Loss: 0.1577, Supervised: 3.2958, Unsupervised: 6.4808, Acc: 98.21%

[Epoch 292] Loss: 0.1485, Supervised: 3.8223, Unsupervised: 5.3829, Acc: 98.03%

[Epoch 293] Loss: 0.1432, Supervised: 3.0237, Unsupervised: 5.8570, Acc: 98.44%

[Epoch 294] Loss: 0.1404, Supervised: 3.0542, Unsupervised: 5.6527, Acc: 98.49%

[Epoch 295] Loss: 0.1591, Supervised: 3.4121, Unsupervised: 6.4549, Acc: 98.16%

[Epoch 296] Loss: 0.1491, Supervised: 3.3375, Unsupervised: 5.9068, Acc: 98.24%

[Epoch 297] Loss: 0.1555, Supervised: 2.9832, Unsupervised: 6.6605, Acc: 98.54%

[Epoch 298] Loss: 0.1595, Supervised: 3.4980, Unsupervised: 6.3879, Acc: 97.96%

[Epoch 299] Loss: 0.1573, Supervised: 3.6635, Unsupervised: 6.0915, Acc: 97.83%

[Epoch 300] Loss: 0.1590, Supervised: 3.5136, Unsupervised: 6.3442, Acc: 97.93%

[Epoch 301] Loss: 0.1502, Supervised: 3.0869, Unsupervised: 6.2241, Acc: 98.46%

[Epoch 302] Loss: 0.1339, Supervised: 2.8347, Unsupervised: 5.4663, Acc: 98.49%

[Epoch 303] Loss: 0.1389, Supervised: 3.0896, Unsupervised: 5.5236, Acc: 98.46%

[Epoch 304] Loss: 0.1509, Supervised: 3.1646, Unsupervised: 6.1926, Acc: 98.11%

[Epoch 305] Loss: 0.1466, Supervised: 3.1330, Unsupervised: 5.9588, Acc: 98.24%

[Epoch 306] Loss: 0.1457, Supervised: 2.7600, Unsupervised: 6.2704, Acc: 98.46%

[Epoch 307] Loss: 0.1318, Supervised: 2.7846, Unsupervised: 5.3841, Acc: 98.34%

[Epoch 308] Loss: 0.1390, Supervised: 3.0690, Unsupervised: 5.5480, Acc: 98.44%

[Epoch 309] Loss: 0.1501, Supervised: 3.2068, Unsupervised: 6.1022, Acc: 98.16%

[Epoch 310] Loss: 0.1289, Supervised: 2.3861, Unsupervised: 5.6064, Acc: 98.97%

[Epoch 311] Loss: 0.1574, Supervised: 3.1761, Unsupervised: 6.5823, Acc: 98.24%

[Epoch 312] Loss: 0.1342, Supervised: 2.6808, Unsupervised: 5.6392, Acc: 98.59%

[Epoch 313] Loss: 0.1468, Supervised: 3.0881, Unsupervised: 6.0150, Acc: 98.26%

[Epoch 314] Loss: 0.1484, Supervised: 3.4484, Unsupervised: 5.7538, Acc: 98.11%

[Epoch 315] Loss: 0.1507, Supervised: 3.6987, Unsupervised: 5.6460, Acc: 98.01%

[Epoch 316] Loss: 0.1365, Supervised: 3.0891, Unsupervised: 5.3738, Acc: 98.44%

[Epoch 317] Loss: 0.1398, Supervised: 2.6209, Unsupervised: 6.0441, Acc: 98.64%

[Epoch 318] Loss: 0.1280, Supervised: 2.6419, Unsupervised: 5.2937, Acc: 98.71%

[Epoch 319] Loss: 0.1465, Supervised: 3.3092, Unsupervised: 5.7754, Acc: 97.93%

[Epoch 320] Loss: 0.1357, Supervised: 2.7242, Unsupervised: 5.6913, Acc: 98.66%

[Epoch 321] Loss: 0.1564, Supervised: 4.0536, Unsupervised: 5.6453, Acc: 97.98%

[Epoch 322] Loss: 0.1167, Supervised: 2.3019, Unsupervised: 4.9330, Acc: 98.82%

[Epoch 323] Loss: 0.1424, Supervised: 3.0518, Unsupervised: 5.7775, Acc: 98.21%

[Epoch 324] Loss: 0.1670, Supervised: 4.1718, Unsupervised: 6.1824, Acc: 97.86%

[Epoch 325] Loss: 0.1434, Supervised: 2.9001, Unsupervised: 5.9895, Acc: 98.64%

[Epoch 326] Loss: 0.1465, Supervised: 3.7949, Unsupervised: 5.2851, Acc: 98.01%

[Epoch 327] Loss: 0.1280, Supervised: 2.5894, Unsupervised: 5.3492, Acc: 98.66%

[Epoch 328] Loss: 0.1529, Supervised: 3.1559, Unsupervised: 6.3257, Acc: 98.31%

[Epoch 329] Loss: 0.1598, Supervised: 2.9141, Unsupervised: 6.9949, Acc: 98.31%

[Epoch 330] Loss: 0.1556, Supervised: 3.0275, Unsupervised: 6.6215, Acc: 98.26%

[Epoch 331] Loss: 0.1508, Supervised: 3.1835, Unsupervised: 6.1657, Acc: 98.41%

[Epoch 332] Loss: 0.1456, Supervised: 3.1313, Unsupervised: 5.8953, Acc: 98.31%

[Epoch 333] Loss: 0.1447, Supervised: 3.0422, Unsupervised: 5.9280, Acc: 98.49%

[Epoch 334] Loss: 0.1473, Supervised: 3.4850, Unsupervised: 5.6478, Acc: 98.03%

[Epoch 335] Loss: 0.1424, Supervised: 2.8240, Unsupervised: 6.0038, Acc: 98.69%

[Epoch 336] Loss: 0.1319, Supervised: 2.5719, Unsupervised: 5.6030, Acc: 98.66%

[Epoch 337] Loss: 0.1570, Supervised: 3.4528, Unsupervised: 6.2788, Acc: 98.26%

[Epoch 338] Loss: 0.1362, Supervised: 3.0136, Unsupervised: 5.4297, Acc: 98.26%

[Epoch 339] Loss: 0.1388, Supervised: 3.3164, Unsupervised: 5.2921, Acc: 98.03%

[Epoch 340] Loss: 0.1617, Supervised: 3.4909, Unsupervised: 6.5318, Acc: 98.19%

[Epoch 341] Loss: 0.1592, Supervised: 3.6094, Unsupervised: 6.2608, Acc: 97.73%

[Epoch 342] Loss: 0.1310, Supervised: 2.9417, Unsupervised: 5.1776, Acc: 98.54%

[Epoch 343] Loss: 0.1485, Supervised: 3.0166, Unsupervised: 6.1904, Acc: 98.14%

[Epoch 344] Loss: 0.1535, Supervised: 3.7560, Unsupervised: 5.7592, Acc: 97.91%

[Epoch 345] Loss: 0.1419, Supervised: 2.8168, Unsupervised: 5.9793, Acc: 98.54%

[Epoch 346] Loss: 0.1377, Supervised: 2.9510, Unsupervised: 5.5839, Acc: 98.36%

[Epoch 347] Loss: 0.1506, Supervised: 3.3737, Unsupervised: 5.9636, Acc: 98.14%

[Epoch 348] Loss: 0.1387, Supervised: 2.5443, Unsupervised: 6.0545, Acc: 98.54%

[Epoch 349] Loss: 0.1416, Supervised: 3.1362, Unsupervised: 5.6432, Acc: 98.51%

[Epoch 350] Loss: 0.1651, Supervised: 3.9841, Unsupervised: 6.2499, Acc: 97.83%

[Epoch 351] Loss: 0.1478, Supervised: 2.9784, Unsupervised: 6.1839, Acc: 98.39%

[Epoch 352] Loss: 0.1423, Supervised: 2.8764, Unsupervised: 5.9487, Acc: 98.39%

[Epoch 353] Loss: 0.1492, Supervised: 3.1462, Unsupervised: 6.1072, Acc: 98.19%

[Epoch 354] Loss: 0.1462, Supervised: 3.0738, Unsupervised: 5.9931, Acc: 98.39%

[Epoch 355] Loss: 0.1434, Supervised: 2.6165, Unsupervised: 6.2746, Acc: 98.79%

[Epoch 356] Loss: 0.1485, Supervised: 2.8196, Unsupervised: 6.3858, Acc: 98.46%

[Epoch 357] Loss: 0.1394, Supervised: 2.7006, Unsupervised: 5.9439, Acc: 98.49%

[Epoch 358] Loss: 0.1403, Supervised: 3.2260, Unsupervised: 5.4706, Acc: 98.39%

[Epoch 359] Loss: 0.1528, Supervised: 3.4817, Unsupervised: 5.9938, Acc: 98.01%

[Epoch 360] Loss: 0.1533, Supervised: 3.1535, Unsupervised: 6.3498, Acc: 98.29%

[Epoch 361] Loss: 0.1327, Supervised: 2.8427, Unsupervised: 5.3821, Acc: 98.39%

[Epoch 362] Loss: 0.1417, Supervised: 2.9695, Unsupervised: 5.8180, Acc: 98.44%

[Epoch 363] Loss: 0.1470, Supervised: 3.2192, Unsupervised: 5.8971, Acc: 98.08%

[Epoch 364] Loss: 0.1469, Supervised: 2.6450, Unsupervised: 6.4616, Acc: 98.51%

[Epoch 365] Loss: 0.1638, Supervised: 3.9416, Unsupervised: 6.2159, Acc: 97.76%

[Epoch 366] Loss: 0.1418, Supervised: 2.9874, Unsupervised: 5.8021, Acc: 98.31%

[Epoch 367] Loss: 0.1385, Supervised: 2.9706, Unsupervised: 5.6159, Acc: 98.39%

[Epoch 368] Loss: 0.1364, Supervised: 2.5949, Unsupervised: 5.8628, Acc: 98.66%

[Epoch 369] Loss: 0.1578, Supervised: 3.2017, Unsupervised: 6.5843, Acc: 98.26%

[Epoch 370] Loss: 0.1611, Supervised: 3.5267, Unsupervised: 6.4644, Acc: 97.98%

[Epoch 371] Loss: 0.1473, Supervised: 2.9945, Unsupervised: 6.1401, Acc: 98.34%

[Epoch 372] Loss: 0.1319, Supervised: 2.5954, Unsupervised: 5.5821, Acc: 98.56%

[Epoch 373] Loss: 0.1467, Supervised: 3.1276, Unsupervised: 5.9662, Acc: 98.19%

[Epoch 374] Loss: 0.1683, Supervised: 4.2331, Unsupervised: 6.2032, Acc: 97.58%

[Epoch 375] Loss: 0.1498, Supervised: 3.5909, Unsupervised: 5.6951, Acc: 98.21%

[Epoch 376] Loss: 0.1393, Supervised: 2.6987, Unsupervised: 5.9366, Acc: 98.44%

[Epoch 377] Loss: 0.1299, Supervised: 2.6132, Unsupervised: 5.4415, Acc: 98.59%

[Epoch 378] Loss: 0.1326, Supervised: 2.7578, Unsupervised: 5.4637, Acc: 98.82%

[Epoch 379] Loss: 0.1470, Supervised: 3.3188, Unsupervised: 5.7943, Acc: 97.91%

[Epoch 380] Loss: 0.1421, Supervised: 3.0599, Unsupervised: 5.7483, Acc: 98.41%

[Epoch 381] Loss: 0.1319, Supervised: 2.9241, Unsupervised: 5.2511, Acc: 98.44%

[Epoch 382] Loss: 0.1435, Supervised: 2.7352, Unsupervised: 6.1609, Acc: 98.49%

[Epoch 383] Loss: 0.1505, Supervised: 2.9217, Unsupervised: 6.4119, Acc: 98.61%

[Epoch 384] Loss: 0.1308, Supervised: 2.4387, Unsupervised: 5.6723, Acc: 98.69%

[Epoch 385] Loss: 0.1286, Supervised: 2.9689, Unsupervised: 5.0028, Acc: 98.44%

[Epoch 386] Loss: 0.1337, Supervised: 2.5408, Unsupervised: 5.7482, Acc: 98.59%

[Epoch 387] Loss: 0.1612, Supervised: 3.3820, Unsupervised: 6.6152, Acc: 98.29%

[Epoch 388] Loss: 0.1479, Supervised: 2.8890, Unsupervised: 6.2833, Acc: 98.24%

[Epoch 389] Loss: 0.1436, Supervised: 3.2394, Unsupervised: 5.6659, Acc: 98.21%

[Epoch 390] Loss: 0.1290, Supervised: 2.9431, Unsupervised: 5.0580, Acc: 98.39%

[Epoch 391] Loss: 0.1500, Supervised: 3.4714, Unsupervised: 5.8267, Acc: 98.19%

[Epoch 392] Loss: 0.1307, Supervised: 2.3863, Unsupervised: 5.7168, Acc: 98.99%

[Epoch 393] Loss: 0.1354, Supervised: 2.4020, Unsupervised: 5.9900, Acc: 98.64%

[Epoch 394] Loss: 0.1435, Supervised: 3.2965, Unsupervised: 5.6029, Acc: 98.26%

[Epoch 395] Loss: 0.1526, Supervised: 3.3742, Unsupervised: 6.0859, Acc: 98.14%

[Epoch 396] Loss: 0.1316, Supervised: 2.5186, Unsupervised: 5.6401, Acc: 98.59%

[Epoch 397] Loss: 0.1330, Supervised: 2.3561, Unsupervised: 5.8918, Acc: 98.82%

[Epoch 398] Loss: 0.1536, Supervised: 3.6379, Unsupervised: 5.8868, Acc: 97.96%

[Epoch 399] Loss: 0.1422, Supervised: 3.2236, Unsupervised: 5.5906, Acc: 98.16%

[Epoch 400] Loss: 0.1414, Supervised: 2.6363, Unsupervised: 6.1331, Acc: 98.77%

[Epoch 401] Loss: 0.1414, Supervised: 2.6789, Unsupervised: 6.0881, Acc: 98.61%

[Epoch 402] Loss: 0.1239, Supervised: 2.9368, Unsupervised: 4.7449, Acc: 98.41%

[Epoch 403] Loss: 0.1324, Supervised: 2.1037, Unsupervised: 6.1020, Acc: 98.97%

[Epoch 404] Loss: 0.1600, Supervised: 3.5752, Unsupervised: 6.3453, Acc: 98.14%

[Epoch 405] Loss: 0.1493, Supervised: 3.2357, Unsupervised: 6.0189, Acc: 98.36%

[Epoch 406] Loss: 0.1212, Supervised: 2.0222, Unsupervised: 5.4951, Acc: 98.97%

[Epoch 407] Loss: 0.1453, Supervised: 2.8104, Unsupervised: 6.1969, Acc: 98.66%

[Epoch 408] Loss: 0.1255, Supervised: 2.4960, Unsupervised: 5.2875, Acc: 98.64%

[Epoch 409] Loss: 0.1484, Supervised: 2.6951, Unsupervised: 6.5075, Acc: 98.74%

[Epoch 410] Loss: 0.1382, Supervised: 3.0924, Unsupervised: 5.4732, Acc: 98.24%

[Epoch 411] Loss: 0.1612, Supervised: 3.3228, Unsupervised: 6.6698, Acc: 98.24%

[Epoch 412] Loss: 0.1663, Supervised: 3.6382, Unsupervised: 6.6706, Acc: 98.14%

[Epoch 413] Loss: 0.1390, Supervised: 2.9007, Unsupervised: 5.7176, Acc: 98.46%

[Epoch 414] Loss: 0.1427, Supervised: 2.6770, Unsupervised: 6.1696, Acc: 98.36%

[Epoch 415] Loss: 0.1419, Supervised: 2.3490, Unsupervised: 6.4484, Acc: 98.69%

[Epoch 416] Loss: 0.1262, Supervised: 2.0869, Unsupervised: 5.7394, Acc: 98.92%

[Epoch 417] Loss: 0.1423, Supervised: 3.0745, Unsupervised: 5.7473, Acc: 98.36%

[Epoch 418] Loss: 0.1426, Supervised: 3.0344, Unsupervised: 5.8089, Acc: 98.41%

[Epoch 419] Loss: 0.1458, Supervised: 3.4389, Unsupervised: 5.6032, Acc: 98.26%

[Epoch 420] Loss: 0.1301, Supervised: 2.6062, Unsupervised: 5.4621, Acc: 98.49%

[Epoch 421] Loss: 0.1324, Supervised: 2.8862, Unsupervised: 5.3239, Acc: 98.54%

[Epoch 422] Loss: 0.1436, Supervised: 3.0111, Unsupervised: 5.8907, Acc: 98.39%

[Epoch 423] Loss: 0.1437, Supervised: 3.0253, Unsupervised: 5.8866, Acc: 98.34%

[Epoch 424] Loss: 0.1264, Supervised: 2.3356, Unsupervised: 5.4988, Acc: 98.97%

[Epoch 425] Loss: 0.1376, Supervised: 2.5455, Unsupervised: 5.9832, Acc: 98.77%

[Epoch 426] Loss: 0.1224, Supervised: 2.9731, Unsupervised: 4.6127, Acc: 98.31%

[Epoch 427] Loss: 0.1529, Supervised: 3.0649, Unsupervised: 6.4153, Acc: 98.36%

[Epoch 428] Loss: 0.1402, Supervised: 2.5140, Unsupervised: 6.1774, Acc: 98.71%

[Epoch 429] Loss: 0.1317, Supervised: 2.6130, Unsupervised: 5.5508, Acc: 98.56%

[Epoch 430] Loss: 0.1557, Supervised: 3.2821, Unsupervised: 6.3684, Acc: 98.34%

[Epoch 431] Loss: 0.1566, Supervised: 3.7054, Unsupervised: 6.0013, Acc: 97.86%

[Epoch 432] Loss: 0.1301, Supervised: 2.8417, Unsupervised: 5.2273, Acc: 98.39%

[Epoch 433] Loss: 0.1322, Supervised: 2.2424, Unsupervised: 5.9521, Acc: 98.87%

[Epoch 434] Loss: 0.1467, Supervised: 2.8862, Unsupervised: 6.2071, Acc: 98.39%

[Epoch 435] Loss: 0.1538, Supervised: 2.9959, Unsupervised: 6.5374, Acc: 98.34%

[Epoch 436] Loss: 0.1261, Supervised: 2.4346, Unsupervised: 5.3812, Acc: 98.87%

[Epoch 437] Loss: 0.1430, Supervised: 2.8031, Unsupervised: 6.0618, Acc: 98.31%

[Epoch 438] Loss: 0.1384, Supervised: 2.8786, Unsupervised: 5.7023, Acc: 98.44%

[Epoch 439] Loss: 0.1312, Supervised: 2.6028, Unsupervised: 5.5336, Acc: 98.69%

[Epoch 440] Loss: 0.1324, Supervised: 2.3640, Unsupervised: 5.8446, Acc: 98.89%

[Epoch 441] Loss: 0.1222, Supervised: 2.0958, Unsupervised: 5.4821, Acc: 99.04%

[Epoch 442] Loss: 0.1143, Supervised: 2.1538, Unsupervised: 4.9302, Acc: 99.04%

[Epoch 443] Loss: 0.1217, Supervised: 1.9131, Unsupervised: 5.6293, Acc: 99.02%

[Epoch 444] Loss: 0.1731, Supervised: 4.2408, Unsupervised: 6.4907, Acc: 97.76%

[Epoch 445] Loss: 0.1346, Supervised: 2.8629, Unsupervised: 5.4800, Acc: 98.59%

[Epoch 446] Loss: 0.1295, Supervised: 3.0824, Unsupervised: 4.9494, Acc: 98.36%

[Epoch 447] Loss: 0.1253, Supervised: 2.3194, Unsupervised: 5.4480, Acc: 98.69%

[Epoch 448] Loss: 0.1425, Supervised: 3.1256, Unsupervised: 5.7088, Acc: 98.34%

[Epoch 449] Loss: 0.1396, Supervised: 2.7039, Unsupervised: 5.9529, Acc: 98.71%

[Epoch 450] Loss: 0.1318, Supervised: 2.3183, Unsupervised: 5.8506, Acc: 98.79%

[Epoch 451] Loss: 0.1477, Supervised: 3.0354, Unsupervised: 6.1203, Acc: 98.29%

[Epoch 452] Loss: 0.1348, Supervised: 2.4757, Unsupervised: 5.8816, Acc: 98.71%

[Epoch 453] Loss: 0.1596, Supervised: 2.8741, Unsupervised: 7.0224, Acc: 98.49%

[Epoch 454] Loss: 0.1528, Supervised: 2.6956, Unsupervised: 6.7766, Acc: 98.51%

[Epoch 455] Loss: 0.1545, Supervised: 3.2177, Unsupervised: 6.3592, Acc: 98.11%

[Epoch 456] Loss: 0.1373, Supervised: 2.9133, Unsupervised: 5.6023, Acc: 98.54%

[Epoch 457] Loss: 0.1337, Supervised: 2.2738, Unsupervised: 6.0125, Acc: 98.97%

[Epoch 458] Loss: 0.1596, Supervised: 3.5709, Unsupervised: 6.3227, Acc: 98.11%

[Epoch 459] Loss: 0.1220, Supervised: 2.1659, Unsupervised: 5.4006, Acc: 99.02%

[Epoch 460] Loss: 0.1238, Supervised: 2.1990, Unsupervised: 5.4786, Acc: 98.89%

[Epoch 461] Loss: 0.1371, Supervised: 2.9043, Unsupervised: 5.5935, Acc: 98.61%

[Epoch 462] Loss: 0.1208, Supervised: 2.4068, Unsupervised: 5.0826, Acc: 98.84%

[Epoch 463] Loss: 0.1462, Supervised: 2.7871, Unsupervised: 6.2775, Acc: 98.49%

[Epoch 464] Loss: 0.1355, Supervised: 3.1094, Unsupervised: 5.2902, Acc: 98.44%

[Epoch 465] Loss: 0.1607, Supervised: 3.3006, Unsupervised: 6.6630, Acc: 98.41%

[Epoch 466] Loss: 0.1424, Supervised: 2.8420, Unsupervised: 5.9856, Acc: 98.54%

[Epoch 467] Loss: 0.1459, Supervised: 3.3072, Unsupervised: 5.7397, Acc: 98.16%

[Epoch 468] Loss: 0.1456, Supervised: 3.3026, Unsupervised: 5.7231, Acc: 98.24%

[Epoch 469] Loss: 0.1325, Supervised: 2.6192, Unsupervised: 5.5932, Acc: 98.89%

[Epoch 470] Loss: 0.1453, Supervised: 3.0680, Unsupervised: 5.9386, Acc: 98.34%

[Epoch 471] Loss: 0.1477, Supervised: 3.1220, Unsupervised: 6.0359, Acc: 98.39%

[Epoch 472] Loss: 0.1369, Supervised: 2.8782, Unsupervised: 5.6107, Acc: 98.59%

[Epoch 473] Loss: 0.1385, Supervised: 3.1550, Unsupervised: 5.4311, Acc: 98.29%

[Epoch 474] Loss: 0.1357, Supervised: 2.5846, Unsupervised: 5.8313, Acc: 98.71%

[Epoch 475] Loss: 0.1524, Supervised: 3.0671, Unsupervised: 6.3786, Acc: 98.46%

[Epoch 476] Loss: 0.1363, Supervised: 2.8051, Unsupervised: 5.6471, Acc: 98.34%

[Epoch 477] Loss: 0.1517, Supervised: 3.2114, Unsupervised: 6.1911, Acc: 98.16%

[Epoch 478] Loss: 0.1274, Supervised: 2.4500, Unsupervised: 5.4501, Acc: 98.79%

[Epoch 479] Loss: 0.1298, Supervised: 2.4264, Unsupervised: 5.6220, Acc: 98.82%

[Epoch 480] Loss: 0.1283, Supervised: 2.0814, Unsupervised: 5.8735, Acc: 98.92%

[Epoch 481] Loss: 0.1380, Supervised: 2.6868, Unsupervised: 5.8701, Acc: 98.51%

[Epoch 482] Loss: 0.1440, Supervised: 2.9520, Unsupervised: 5.9748, Acc: 98.49%

[Epoch 483] Loss: 0.1285, Supervised: 2.0785, Unsupervised: 5.8863, Acc: 99.12%

[Epoch 484] Loss: 0.1510, Supervised: 3.5260, Unsupervised: 5.8377, Acc: 98.14%

[Epoch 485] Loss: 0.1310, Supervised: 2.6649, Unsupervised: 5.4575, Acc: 98.54%

[Epoch 486] Loss: 0.1497, Supervised: 3.1165, Unsupervised: 6.1670, Acc: 98.21%

[Epoch 487] Loss: 0.1201, Supervised: 2.5462, Unsupervised: 4.9007, Acc: 98.74%

[Epoch 488] Loss: 0.1425, Supervised: 2.8592, Unsupervised: 5.9782, Acc: 98.54%

[Epoch 489] Loss: 0.1391, Supervised: 2.6102, Unsupervised: 6.0161, Acc: 98.79%

[Epoch 490] Loss: 0.1436, Supervised: 2.9693, Unsupervised: 5.9321, Acc: 98.36%

[Epoch 491] Loss: 0.1469, Supervised: 3.0893, Unsupervised: 6.0166, Acc: 98.34%

[Epoch 492] Loss: 0.1227, Supervised: 2.3021, Unsupervised: 5.3024, Acc: 98.77%

[Epoch 493] Loss: 0.1383, Supervised: 3.0625, Unsupervised: 5.5141, Acc: 98.44%

[Epoch 494] Loss: 0.1357, Supervised: 2.8191, Unsupervised: 5.5972, Acc: 98.41%

[Epoch 495] Loss: 0.1514, Supervised: 3.5762, Unsupervised: 5.8099, Acc: 98.19%

[Epoch 496] Loss: 0.1387, Supervised: 2.5604, Unsupervised: 6.0377, Acc: 98.69%

[Epoch 497] Loss: 0.1358, Supervised: 2.6821, Unsupervised: 5.7375, Acc: 98.92%

[Epoch 498] Loss: 0.1342, Supervised: 2.3727, Unsupervised: 5.9462, Acc: 98.66%

[Epoch 499] Loss: 0.1666, Supervised: 3.4008, Unsupervised: 6.9265, Acc: 98.03%

[Seed 0] Test Accuracy: 90.34%

FASHION\_MNIST | l=4000, p=0.3 => Accuracy: 90.34 ± 0.00

Running experiment: cifar10 | l=1000 | p=0.3 | seed=0

Downloading https://www.cs.toronto.edu/~kriz/cifar-10-python.tar.gz to ./data\cifar-10-python.tar.gz

100.0%

Extracting ./data\cifar-10-python.tar.gz to ./data

Files already downloaded and verified

Dataset cifar10: 1000 labeled, 49000 unlabeled

Average candidate labels: 3.00

[Epoch 0] Loss: 2.6081, Supervised: 39.1140, Unsupervised: 0.0069, Acc: 15.94%

[Epoch 1] Loss: 2.7063, Supervised: 40.5811, Unsupervised: 0.0135, Acc: 18.44%

[Epoch 2] Loss: 2.2183, Supervised: 33.2553, Unsupervised: 0.0188, Acc: 25.31%

[Epoch 3] Loss: 2.0549, Supervised: 30.8211, Unsupervised: 0.0021, Acc: 25.73%

[Epoch 4] Loss: 1.8940, Supervised: 28.4050, Unsupervised: 0.0044, Acc: 28.44%

[Epoch 5] Loss: 1.8030, Supervised: 27.0433, Unsupervised: 0.0023, Acc: 33.44%

[Epoch 6] Loss: 1.7072, Supervised: 25.6022, Unsupervised: 0.0057, Acc: 36.15%

[Epoch 7] Loss: 1.7075, Supervised: 25.6119, Unsupervised: 0.0000, Acc: 35.94%

[Epoch 8] Loss: 1.6606, Supervised: 24.9018, Unsupervised: 0.0073, Acc: 35.83%

[Epoch 9] Loss: 1.5657, Supervised: 23.4836, Unsupervised: 0.0024, Acc: 42.29%

[Epoch 10] Loss: 1.5224, Supervised: 22.8035, Unsupervised: 0.0320, Acc: 42.50%

[Epoch 11] Loss: 1.5106, Supervised: 22.6151, Unsupervised: 0.0435, Acc: 42.81%

[Epoch 12] Loss: 1.4246, Supervised: 21.3510, Unsupervised: 0.0173, Acc: 47.60%

[Epoch 13] Loss: 1.5128, Supervised: 22.6418, Unsupervised: 0.0504, Acc: 46.46%

[Epoch 14] Loss: 1.3724, Supervised: 20.4841, Unsupervised: 0.1018, Acc: 51.25%

[Epoch 15] Loss: 1.4279, Supervised: 21.2060, Unsupervised: 0.2126, Acc: 47.60%

[Epoch 16] Loss: 1.3329, Supervised: 19.9509, Unsupervised: 0.0423, Acc: 52.08%

[Epoch 17] Loss: 1.3444, Supervised: 19.9655, Unsupervised: 0.2006, Acc: 51.15%

[Epoch 18] Loss: 1.3009, Supervised: 19.3467, Unsupervised: 0.1664, Acc: 54.48%

[Epoch 19] Loss: 1.3026, Supervised: 19.3286, Unsupervised: 0.2098, Acc: 53.44%

[Epoch 20] Loss: 1.2369, Supervised: 18.2841, Unsupervised: 0.2692, Acc: 55.62%

[Epoch 21] Loss: 1.2530, Supervised: 18.6725, Unsupervised: 0.1221, Acc: 55.94%

[Epoch 22] Loss: 1.2038, Supervised: 17.8796, Unsupervised: 0.1772, Acc: 55.94%

[Epoch 23] Loss: 1.1131, Supervised: 16.4220, Unsupervised: 0.2748, Acc: 59.90%

[Epoch 24] Loss: 1.1051, Supervised: 16.1023, Unsupervised: 0.4742, Acc: 60.73%

[Epoch 25] Loss: 1.0661, Supervised: 15.3972, Unsupervised: 0.5947, Acc: 61.46%

[Epoch 26] Loss: 1.0333, Supervised: 14.9717, Unsupervised: 0.5275, Acc: 64.27%

[Epoch 27] Loss: 1.0686, Supervised: 15.2633, Unsupervised: 0.7656, Acc: 63.23%

[Epoch 28] Loss: 0.9870, Supervised: 14.0743, Unsupervised: 0.7310, Acc: 64.90%

[Epoch 29] Loss: 0.9792, Supervised: 13.9573, Unsupervised: 0.7314, Acc: 66.88%

[Epoch 30] Loss: 0.9454, Supervised: 13.4863, Unsupervised: 0.6944, Acc: 67.29%

[Epoch 31] Loss: 0.9906, Supervised: 13.8065, Unsupervised: 1.0521, Acc: 66.67%

[Epoch 32] Loss: 0.9320, Supervised: 13.1038, Unsupervised: 0.8758, Acc: 67.71%

[Epoch 33] Loss: 0.7465, Supervised: 10.3757, Unsupervised: 0.8219, Acc: 75.21%

[Epoch 34] Loss: 0.9555, Supervised: 12.5690, Unsupervised: 1.7638, Acc: 71.88%

[Epoch 35] Loss: 0.9187, Supervised: 13.0381, Unsupervised: 0.7427, Acc: 68.02%

[Epoch 36] Loss: 0.8148, Supervised: 11.4877, Unsupervised: 0.7338, Acc: 72.71%

[Epoch 37] Loss: 0.7610, Supervised: 10.3590, Unsupervised: 1.0567, Acc: 75.83%

[Epoch 38] Loss: 0.7509, Supervised: 9.9649, Unsupervised: 1.2983, Acc: 76.46%

[Epoch 39] Loss: 0.7594, Supervised: 10.1988, Unsupervised: 1.1918, Acc: 74.90%

[Epoch 40] Loss: 0.8212, Supervised: 10.8463, Unsupervised: 1.4724, Acc: 74.79%

[Epoch 41] Loss: 0.8284, Supervised: 10.7392, Unsupervised: 1.6867, Acc: 74.79%

[Epoch 42] Loss: 0.8003, Supervised: 10.8747, Unsupervised: 1.1298, Acc: 75.10%

[Epoch 43] Loss: 0.7196, Supervised: 9.3242, Unsupervised: 1.4697, Acc: 77.71%

[Epoch 44] Loss: 0.7311, Supervised: 9.1726, Unsupervised: 1.7941, Acc: 78.33%

[Epoch 45] Loss: 0.7329, Supervised: 9.4118, Unsupervised: 1.5819, Acc: 77.92%

[Epoch 46] Loss: 0.6913, Supervised: 9.0556, Unsupervised: 1.3142, Acc: 79.58%

[Epoch 47] Loss: 0.5884, Supervised: 7.0411, Unsupervised: 1.7851, Acc: 84.79%

[Epoch 48] Loss: 0.6379, Supervised: 6.7956, Unsupervised: 2.7731, Acc: 83.65%

[Epoch 49] Loss: 0.5957, Supervised: 7.3319, Unsupervised: 1.6033, Acc: 83.12%

[Epoch 50] Loss: 0.5423, Supervised: 6.4144, Unsupervised: 1.7200, Acc: 84.38%

[Epoch 51] Loss: 0.6245, Supervised: 7.1379, Unsupervised: 2.2292, Acc: 82.40%

[Epoch 52] Loss: 0.6163, Supervised: 7.6045, Unsupervised: 1.6403, Acc: 83.33%

[Epoch 53] Loss: 0.6456, Supervised: 7.6594, Unsupervised: 2.0252, Acc: 81.25%

[Epoch 54] Loss: 0.6033, Supervised: 6.4401, Unsupervised: 2.6089, Acc: 85.42%

[Epoch 55] Loss: 0.4663, Supervised: 5.0936, Unsupervised: 1.9013, Acc: 88.23%

[Epoch 56] Loss: 0.5514, Supervised: 5.7411, Unsupervised: 2.5292, Acc: 87.29%

[Epoch 57] Loss: 0.6147, Supervised: 6.5659, Unsupervised: 2.6552, Acc: 85.42%

[Epoch 58] Loss: 0.4813, Supervised: 5.1532, Unsupervised: 2.0662, Acc: 87.19%

[Epoch 59] Loss: 0.4814, Supervised: 4.5527, Unsupervised: 2.6678, Acc: 88.75%

[Epoch 60] Loss: 0.6130, Supervised: 6.8120, Unsupervised: 2.3837, Acc: 83.96%

[Epoch 61] Loss: 0.5504, Supervised: 6.1393, Unsupervised: 2.1164, Acc: 86.04%

[Epoch 62] Loss: 0.4852, Supervised: 4.6233, Unsupervised: 2.6541, Acc: 89.90%

[Epoch 63] Loss: 0.5001, Supervised: 4.9319, Unsupervised: 2.5691, Acc: 89.79%

[Epoch 64] Loss: 0.3902, Supervised: 3.9829, Unsupervised: 1.8704, Acc: 90.00%

[Epoch 65] Loss: 0.4980, Supervised: 4.4924, Unsupervised: 2.9782, Acc: 89.79%

[Epoch 66] Loss: 0.5586, Supervised: 6.4402, Unsupervised: 1.9383, Acc: 85.31%

[Epoch 67] Loss: 0.4363, Supervised: 4.5927, Unsupervised: 1.9523, Acc: 89.79%

[Epoch 68] Loss: 0.4189, Supervised: 3.8080, Unsupervised: 2.4758, Acc: 91.25%

[Epoch 69] Loss: 0.5461, Supervised: 5.1562, Unsupervised: 3.0356, Acc: 88.33%

[Epoch 70] Loss: 0.4586, Supervised: 4.7204, Unsupervised: 2.1581, Acc: 88.12%

[Epoch 71] Loss: 0.3519, Supervised: 3.3886, Unsupervised: 1.8906, Acc: 91.67%

[Epoch 72] Loss: 0.3777, Supervised: 3.2930, Unsupervised: 2.3728, Acc: 92.92%

[Epoch 73] Loss: 0.4488, Supervised: 4.2572, Unsupervised: 2.4756, Acc: 89.90%

[Epoch 74] Loss: 0.4115, Supervised: 4.2365, Unsupervised: 1.9361, Acc: 90.83%

[Epoch 75] Loss: 0.4674, Supervised: 4.1636, Unsupervised: 2.8478, Acc: 90.10%

[Epoch 76] Loss: 0.3828, Supervised: 3.2983, Unsupervised: 2.4430, Acc: 91.88%

[Epoch 77] Loss: 0.3935, Supervised: 3.3460, Unsupervised: 2.5571, Acc: 93.02%

[Epoch 78] Loss: 0.3858, Supervised: 3.5537, Unsupervised: 2.2339, Acc: 91.77%

[Epoch 79] Loss: 0.4252, Supervised: 3.8078, Unsupervised: 2.5705, Acc: 90.94%

[Epoch 80] Loss: 0.4723, Supervised: 4.0013, Unsupervised: 3.0835, Acc: 90.52%

[Epoch 81] Loss: 0.4174, Supervised: 4.0431, Unsupervised: 2.2183, Acc: 90.42%

[Epoch 82] Loss: 0.3675, Supervised: 3.1253, Unsupervised: 2.3870, Acc: 93.12%

[Epoch 83] Loss: 0.4028, Supervised: 3.5732, Unsupervised: 2.4694, Acc: 90.83%

[Epoch 84] Loss: 0.4421, Supervised: 4.0142, Unsupervised: 2.6173, Acc: 90.10%

[Epoch 85] Loss: 0.3916, Supervised: 3.5657, Unsupervised: 2.3077, Acc: 91.46%

[Epoch 86] Loss: 0.3832, Supervised: 2.9502, Unsupervised: 2.7974, Acc: 92.08%

[Epoch 87] Loss: 0.4947, Supervised: 4.7021, Unsupervised: 2.7186, Acc: 88.54%

[Epoch 88] Loss: 0.3966, Supervised: 3.9810, Unsupervised: 1.9676, Acc: 90.10%

[Epoch 89] Loss: 0.3069, Supervised: 2.0457, Unsupervised: 2.5573, Acc: 95.00%

[Epoch 90] Loss: 0.3652, Supervised: 3.4530, Unsupervised: 2.0249, Acc: 92.08%

[Epoch 91] Loss: 0.3471, Supervised: 2.4774, Unsupervised: 2.7288, Acc: 94.17%

[Epoch 92] Loss: 0.4182, Supervised: 3.2435, Unsupervised: 3.0293, Acc: 91.77%

[Epoch 93] Loss: 0.3029, Supervised: 2.5971, Unsupervised: 1.9467, Acc: 94.48%

[Epoch 94] Loss: 0.3002, Supervised: 2.2591, Unsupervised: 2.2443, Acc: 93.85%

[Epoch 95] Loss: 0.4226, Supervised: 2.9915, Unsupervised: 3.3469, Acc: 93.23%

[Epoch 96] Loss: 0.3866, Supervised: 3.1701, Unsupervised: 2.6292, Acc: 93.02%

[Epoch 97] Loss: 0.3211, Supervised: 2.5793, Unsupervised: 2.2367, Acc: 93.75%

[Epoch 98] Loss: 0.2971, Supervised: 2.2829, Unsupervised: 2.1734, Acc: 95.52%

[Epoch 99] Loss: 0.2699, Supervised: 1.6803, Unsupervised: 2.3677, Acc: 96.04%

[Epoch 100] Loss: 0.3852, Supervised: 2.8976, Unsupervised: 2.8809, Acc: 93.54%

[Epoch 101] Loss: 0.3420, Supervised: 2.5791, Unsupervised: 2.5511, Acc: 94.38%

[Epoch 102] Loss: 0.3663, Supervised: 2.8462, Unsupervised: 2.6477, Acc: 93.54%

[Epoch 103] Loss: 0.3020, Supervised: 2.6929, Unsupervised: 1.8373, Acc: 94.06%

[Epoch 104] Loss: 0.3058, Supervised: 2.1028, Unsupervised: 2.4839, Acc: 95.83%

[Epoch 105] Loss: 0.2959, Supervised: 1.7764, Unsupervised: 2.6620, Acc: 96.56%

[Epoch 106] Loss: 0.3166, Supervised: 1.8037, Unsupervised: 2.9460, Acc: 96.46%

[Epoch 107] Loss: 0.3261, Supervised: 2.5386, Unsupervised: 2.3524, Acc: 94.90%

[Epoch 108] Loss: 0.3807, Supervised: 2.6778, Unsupervised: 3.0325, Acc: 93.65%

[Epoch 109] Loss: 0.3068, Supervised: 2.7526, Unsupervised: 1.8490, Acc: 93.44%

[Epoch 110] Loss: 0.3240, Supervised: 2.1985, Unsupervised: 2.6612, Acc: 94.38%

[Epoch 111] Loss: 0.2896, Supervised: 2.0181, Unsupervised: 2.3264, Acc: 95.73%

[Epoch 112] Loss: 0.2938, Supervised: 2.1184, Unsupervised: 2.2886, Acc: 94.48%

[Epoch 113] Loss: 0.2867, Supervised: 1.8037, Unsupervised: 2.4961, Acc: 96.25%

[Epoch 114] Loss: 0.3080, Supervised: 2.0079, Unsupervised: 2.6117, Acc: 94.90%

[Epoch 115] Loss: 0.2971, Supervised: 2.1280, Unsupervised: 2.3281, Acc: 95.00%

[Epoch 116] Loss: 0.3242, Supervised: 2.4570, Unsupervised: 2.4061, Acc: 94.48%

[Epoch 117] Loss: 0.3229, Supervised: 2.4654, Unsupervised: 2.3774, Acc: 94.06%

[Epoch 118] Loss: 0.2997, Supervised: 2.2932, Unsupervised: 2.2017, Acc: 95.52%

[Epoch 119] Loss: 0.3107, Supervised: 1.9477, Unsupervised: 2.7130, Acc: 95.42%

[Epoch 120] Loss: 0.3303, Supervised: 1.8261, Unsupervised: 3.1289, Acc: 95.73%

[Epoch 121] Loss: 0.3983, Supervised: 2.8043, Unsupervised: 3.1701, Acc: 94.27%

[Epoch 122] Loss: 0.3429, Supervised: 2.6494, Unsupervised: 2.4948, Acc: 94.06%

[Epoch 123] Loss: 0.3168, Supervised: 2.0002, Unsupervised: 2.7513, Acc: 95.52%

[Epoch 124] Loss: 0.2323, Supervised: 1.7245, Unsupervised: 1.7608, Acc: 96.35%

[Epoch 125] Loss: 0.2597, Supervised: 1.3377, Unsupervised: 2.5580, Acc: 97.50%

[Epoch 126] Loss: 0.2800, Supervised: 1.8353, Unsupervised: 2.3643, Acc: 95.83%

[Epoch 127] Loss: 0.2351, Supervised: 1.3901, Unsupervised: 2.1367, Acc: 96.56%

[Epoch 128] Loss: 0.2695, Supervised: 1.5280, Unsupervised: 2.5147, Acc: 96.77%

[Epoch 129] Loss: 0.2919, Supervised: 1.7204, Unsupervised: 2.6586, Acc: 95.94%

[Epoch 130] Loss: 0.2681, Supervised: 1.8140, Unsupervised: 2.2082, Acc: 95.52%

[Epoch 131] Loss: 0.2352, Supervised: 1.6978, Unsupervised: 1.8303, Acc: 96.25%

[Epoch 132] Loss: 0.3115, Supervised: 1.7175, Unsupervised: 2.9553, Acc: 95.94%

[Epoch 133] Loss: 0.3496, Supervised: 1.9614, Unsupervised: 3.2826, Acc: 96.15%

[Epoch 134] Loss: 0.3064, Supervised: 2.3241, Unsupervised: 2.2720, Acc: 94.38%

[Epoch 135] Loss: 0.2414, Supervised: 1.6122, Unsupervised: 2.0086, Acc: 96.56%

[Epoch 136] Loss: 0.3420, Supervised: 2.0926, Unsupervised: 3.0369, Acc: 95.31%

[Epoch 137] Loss: 0.2287, Supervised: 1.5420, Unsupervised: 1.8886, Acc: 95.83%

[Epoch 138] Loss: 0.3265, Supervised: 2.2149, Unsupervised: 2.6832, Acc: 95.10%

[Epoch 139] Loss: 0.3197, Supervised: 1.9242, Unsupervised: 2.8707, Acc: 95.52%

[Epoch 140] Loss: 0.2853, Supervised: 2.1044, Unsupervised: 2.1754, Acc: 95.10%

[Epoch 141] Loss: 0.2561, Supervised: 1.6205, Unsupervised: 2.2212, Acc: 96.15%

[Epoch 142] Loss: 0.2784, Supervised: 1.8052, Unsupervised: 2.3709, Acc: 96.77%

[Epoch 143] Loss: 0.2576, Supervised: 1.6910, Unsupervised: 2.1732, Acc: 96.56%

[Epoch 144] Loss: 0.2786, Supervised: 1.2450, Unsupervised: 2.9333, Acc: 96.77%

[Epoch 145] Loss: 0.2460, Supervised: 1.3991, Unsupervised: 2.2908, Acc: 96.46%

[Epoch 146] Loss: 0.2701, Supervised: 1.6118, Unsupervised: 2.4396, Acc: 96.25%

[Epoch 147] Loss: 0.3193, Supervised: 1.8109, Unsupervised: 2.9779, Acc: 95.42%

[Epoch 148] Loss: 0.2342, Supervised: 1.4137, Unsupervised: 2.0998, Acc: 96.88%

[Epoch 149] Loss: 0.2847, Supervised: 1.0246, Unsupervised: 3.2457, Acc: 98.33%

[Epoch 150] Loss: 0.3565, Supervised: 2.2999, Unsupervised: 3.0482, Acc: 95.00%

[Epoch 151] Loss: 0.2217, Supervised: 1.5808, Unsupervised: 1.7446, Acc: 97.19%

[Epoch 152] Loss: 0.2297, Supervised: 1.5469, Unsupervised: 1.8983, Acc: 96.77%

[Epoch 153] Loss: 0.2261, Supervised: 1.3219, Unsupervised: 2.0699, Acc: 97.60%

[Epoch 154] Loss: 0.2648, Supervised: 1.4783, Unsupervised: 2.4934, Acc: 97.60%

[Epoch 155] Loss: 0.3040, Supervised: 1.7136, Unsupervised: 2.8469, Acc: 96.67%

[Epoch 156] Loss: 0.2687, Supervised: 1.6395, Unsupervised: 2.3904, Acc: 96.15%

[Epoch 157] Loss: 0.2460, Supervised: 1.6571, Unsupervised: 2.0333, Acc: 96.15%

[Epoch 158] Loss: 0.2812, Supervised: 1.4553, Unsupervised: 2.7623, Acc: 97.08%

[Epoch 159] Loss: 0.2286, Supervised: 1.4457, Unsupervised: 1.9841, Acc: 97.29%

[Epoch 160] Loss: 0.2514, Supervised: 1.4653, Unsupervised: 2.3050, Acc: 96.67%

[Epoch 161] Loss: 0.2596, Supervised: 1.8821, Unsupervised: 2.0119, Acc: 96.04%

[Epoch 162] Loss: 0.2739, Supervised: 1.3117, Unsupervised: 2.7968, Acc: 97.08%

[Epoch 163] Loss: 0.2402, Supervised: 1.3173, Unsupervised: 2.2860, Acc: 96.98%

[Epoch 164] Loss: 0.3021, Supervised: 1.6187, Unsupervised: 2.9135, Acc: 96.35%

[Epoch 165] Loss: 0.2715, Supervised: 1.4584, Unsupervised: 2.6148, Acc: 96.88%

[Epoch 166] Loss: 0.2734, Supervised: 1.7710, Unsupervised: 2.3294, Acc: 96.56%

[Epoch 167] Loss: 0.2502, Supervised: 1.8772, Unsupervised: 1.8750, Acc: 95.73%

[Epoch 168] Loss: 0.2657, Supervised: 1.5090, Unsupervised: 2.4773, Acc: 96.56%

[Epoch 169] Loss: 0.2712, Supervised: 1.3072, Unsupervised: 2.7603, Acc: 96.98%

[Epoch 170] Loss: 0.3016, Supervised: 1.4336, Unsupervised: 3.0910, Acc: 97.40%

[Epoch 171] Loss: 0.2269, Supervised: 1.8004, Unsupervised: 1.6029, Acc: 96.15%

[Epoch 172] Loss: 0.2417, Supervised: 1.2575, Unsupervised: 2.3685, Acc: 97.60%

[Epoch 173] Loss: 0.2657, Supervised: 1.5037, Unsupervised: 2.4819, Acc: 96.46%

[Epoch 174] Loss: 0.2201, Supervised: 1.1539, Unsupervised: 2.1479, Acc: 96.98%

[Epoch 175] Loss: 0.2209, Supervised: 1.0577, Unsupervised: 2.2554, Acc: 97.40%

[Epoch 176] Loss: 0.2295, Supervised: 0.9571, Unsupervised: 2.4848, Acc: 98.02%

[Epoch 177] Loss: 0.2043, Supervised: 1.1527, Unsupervised: 1.9116, Acc: 98.02%

[Epoch 178] Loss: 0.2545, Supervised: 1.3804, Unsupervised: 2.4371, Acc: 97.19%

[Epoch 179] Loss: 0.2981, Supervised: 1.6611, Unsupervised: 2.8107, Acc: 96.15%

[Epoch 180] Loss: 0.2653, Supervised: 1.5326, Unsupervised: 2.4475, Acc: 96.25%

[Epoch 181] Loss: 0.2712, Supervised: 1.6875, Unsupervised: 2.3806, Acc: 96.25%

[Epoch 182] Loss: 0.2239, Supervised: 1.5012, Unsupervised: 1.8571, Acc: 96.98%

[Epoch 183] Loss: 0.2014, Supervised: 0.8201, Unsupervised: 2.2009, Acc: 98.54%

[Epoch 184] Loss: 0.2745, Supervised: 1.2122, Unsupervised: 2.9053, Acc: 97.92%

[Epoch 185] Loss: 0.2550, Supervised: 1.4723, Unsupervised: 2.3531, Acc: 97.08%

[Epoch 186] Loss: 0.2219, Supervised: 1.1941, Unsupervised: 2.1345, Acc: 97.71%

[Epoch 187] Loss: 0.1934, Supervised: 0.7673, Unsupervised: 2.1333, Acc: 98.65%

[Epoch 188] Loss: 0.2519, Supervised: 1.3882, Unsupervised: 2.3902, Acc: 97.40%

[Epoch 189] Loss: 0.2282, Supervised: 1.3168, Unsupervised: 2.1064, Acc: 96.88%

[Epoch 190] Loss: 0.2900, Supervised: 1.5204, Unsupervised: 2.8302, Acc: 97.40%

[Epoch 191] Loss: 0.2890, Supervised: 1.9364, Unsupervised: 2.3993, Acc: 96.15%

[Epoch 192] Loss: 0.2704, Supervised: 1.9177, Unsupervised: 2.1386, Acc: 94.90%

[Epoch 193] Loss: 0.2121, Supervised: 1.2293, Unsupervised: 1.9529, Acc: 97.29%

[Epoch 194] Loss: 0.2610, Supervised: 1.4288, Unsupervised: 2.4869, Acc: 97.08%

[Epoch 195] Loss: 0.2240, Supervised: 1.4301, Unsupervised: 1.9295, Acc: 96.98%

[Epoch 196] Loss: 0.2089, Supervised: 1.3946, Unsupervised: 1.7389, Acc: 96.46%

[Epoch 197] Loss: 0.1928, Supervised: 0.9743, Unsupervised: 1.9174, Acc: 97.92%

[Epoch 198] Loss: 0.2031, Supervised: 1.0270, Unsupervised: 2.0200, Acc: 97.50%

[Epoch 199] Loss: 0.2799, Supervised: 1.4410, Unsupervised: 2.7579, Acc: 96.67%

[Epoch 200] Loss: 0.2690, Supervised: 1.5717, Unsupervised: 2.4637, Acc: 96.25%

[Epoch 201] Loss: 0.2400, Supervised: 1.1132, Unsupervised: 2.4865, Acc: 97.81%

[Epoch 202] Loss: 0.2819, Supervised: 1.4073, Unsupervised: 2.8219, Acc: 96.88%

[Epoch 203] Loss: 0.2332, Supervised: 1.2992, Unsupervised: 2.1986, Acc: 96.77%

[Epoch 204] Loss: 0.2635, Supervised: 1.2763, Unsupervised: 2.6765, Acc: 96.77%

[Epoch 205] Loss: 0.2131, Supervised: 1.0682, Unsupervised: 2.1288, Acc: 98.02%

[Epoch 206] Loss: 0.1945, Supervised: 1.0934, Unsupervised: 1.8237, Acc: 97.92%

[Epoch 207] Loss: 0.1987, Supervised: 0.8536, Unsupervised: 2.1274, Acc: 97.71%

[Epoch 208] Loss: 0.1994, Supervised: 0.9980, Unsupervised: 1.9928, Acc: 98.12%

[Epoch 209] Loss: 0.2060, Supervised: 0.8861, Unsupervised: 2.2046, Acc: 98.33%

[Epoch 210] Loss: 0.1880, Supervised: 0.9983, Unsupervised: 1.8222, Acc: 97.92%

[Epoch 211] Loss: 0.2511, Supervised: 1.4761, Unsupervised: 2.2907, Acc: 96.77%

[Epoch 212] Loss: 0.2996, Supervised: 1.9054, Unsupervised: 2.5881, Acc: 95.94%

[Epoch 213] Loss: 0.2686, Supervised: 1.3536, Unsupervised: 2.6761, Acc: 97.81%

[Epoch 214] Loss: 0.2303, Supervised: 1.1970, Unsupervised: 2.2573, Acc: 97.60%

[Epoch 215] Loss: 0.2738, Supervised: 1.5846, Unsupervised: 2.5229, Acc: 96.35%

[Epoch 216] Loss: 0.1857, Supervised: 0.9156, Unsupervised: 1.8691, Acc: 98.54%

[Epoch 217] Loss: 0.2439, Supervised: 1.1509, Unsupervised: 2.5078, Acc: 97.60%

[Epoch 218] Loss: 0.2112, Supervised: 1.0541, Unsupervised: 2.1138, Acc: 97.71%

[Epoch 219] Loss: 0.2349, Supervised: 1.3599, Unsupervised: 2.1637, Acc: 97.50%

[Epoch 220] Loss: 0.2422, Supervised: 1.2766, Unsupervised: 2.3562, Acc: 97.40%

[Epoch 221] Loss: 0.2476, Supervised: 0.9966, Unsupervised: 2.7170, Acc: 98.02%

[Epoch 222] Loss: 0.2566, Supervised: 1.3586, Unsupervised: 2.4900, Acc: 96.46%

[Epoch 223] Loss: 0.2693, Supervised: 1.4434, Unsupervised: 2.5964, Acc: 96.88%

[Epoch 224] Loss: 0.1764, Supervised: 1.0185, Unsupervised: 1.6278, Acc: 97.92%

[Epoch 225] Loss: 0.2295, Supervised: 1.0335, Unsupervised: 2.4086, Acc: 97.92%

[Epoch 226] Loss: 0.1770, Supervised: 0.8598, Unsupervised: 1.7951, Acc: 98.23%

[Epoch 227] Loss: 0.1992, Supervised: 1.0537, Unsupervised: 1.9339, Acc: 97.71%

[Epoch 228] Loss: 0.2353, Supervised: 1.0248, Unsupervised: 2.5050, Acc: 97.92%

[Epoch 229] Loss: 0.2181, Supervised: 0.8636, Unsupervised: 2.4075, Acc: 98.33%

[Epoch 230] Loss: 0.2113, Supervised: 1.1631, Unsupervised: 2.0070, Acc: 97.60%

[Epoch 231] Loss: 0.1883, Supervised: 0.9289, Unsupervised: 1.8953, Acc: 98.12%

[Epoch 232] Loss: 0.2042, Supervised: 0.7262, Unsupervised: 2.3374, Acc: 98.65%

[Epoch 233] Loss: 0.2486, Supervised: 1.1093, Unsupervised: 2.6190, Acc: 97.60%

[Epoch 234] Loss: 0.2086, Supervised: 0.9129, Unsupervised: 2.2163, Acc: 97.92%

[Epoch 235] Loss: 0.2321, Supervised: 0.8753, Unsupervised: 2.6063, Acc: 98.02%

[Epoch 236] Loss: 0.2177, Supervised: 1.2086, Unsupervised: 2.0568, Acc: 96.98%

[Epoch 237] Loss: 0.1842, Supervised: 1.0680, Unsupervised: 1.6948, Acc: 97.50%

[Epoch 238] Loss: 0.1976, Supervised: 0.8165, Unsupervised: 2.1480, Acc: 98.54%

[Epoch 239] Loss: 0.1862, Supervised: 0.7911, Unsupervised: 2.0021, Acc: 98.65%

[Epoch 240] Loss: 0.2374, Supervised: 1.5365, Unsupervised: 2.0246, Acc: 96.46%

[Epoch 241] Loss: 0.1732, Supervised: 0.8539, Unsupervised: 1.7443, Acc: 98.02%

[Epoch 242] Loss: 0.1823, Supervised: 0.8675, Unsupervised: 1.8672, Acc: 98.44%

[Epoch 243] Loss: 0.1886, Supervised: 0.8336, Unsupervised: 1.9949, Acc: 98.33%

[Epoch 244] Loss: 0.2096, Supervised: 0.9262, Unsupervised: 2.2173, Acc: 98.54%

[Epoch 245] Loss: 0.2658, Supervised: 1.1631, Unsupervised: 2.8241, Acc: 97.40%

[Epoch 246] Loss: 0.2153, Supervised: 1.1040, Unsupervised: 2.1257, Acc: 97.19%

[Epoch 247] Loss: 0.1856, Supervised: 0.7543, Unsupervised: 2.0302, Acc: 98.96%

[Epoch 248] Loss: 0.2549, Supervised: 1.2455, Unsupervised: 2.5780, Acc: 97.08%

[Epoch 249] Loss: 0.2335, Supervised: 1.2898, Unsupervised: 2.2134, Acc: 97.08%

[Epoch 250] Loss: 0.1991, Supervised: 1.2224, Unsupervised: 1.7643, Acc: 97.29%

[Epoch 251] Loss: 0.1737, Supervised: 0.8124, Unsupervised: 1.7924, Acc: 98.12%

[Epoch 252] Loss: 0.1902, Supervised: 0.7245, Unsupervised: 2.1287, Acc: 98.65%

[Epoch 253] Loss: 0.2155, Supervised: 1.0151, Unsupervised: 2.2167, Acc: 98.02%

[Epoch 254] Loss: 0.2088, Supervised: 0.8860, Unsupervised: 2.2464, Acc: 98.12%

[Epoch 255] Loss: 0.2334, Supervised: 0.8618, Unsupervised: 2.6394, Acc: 98.33%

[Epoch 256] Loss: 0.2307, Supervised: 1.2492, Unsupervised: 2.2108, Acc: 97.19%

[Epoch 257] Loss: 0.1892, Supervised: 0.9450, Unsupervised: 1.8932, Acc: 97.81%

[Epoch 258] Loss: 0.2180, Supervised: 1.0168, Unsupervised: 2.2532, Acc: 98.33%

[Epoch 259] Loss: 0.2339, Supervised: 1.1993, Unsupervised: 2.3086, Acc: 97.40%

[Epoch 260] Loss: 0.1855, Supervised: 0.8883, Unsupervised: 1.8940, Acc: 98.23%

[Epoch 261] Loss: 0.1943, Supervised: 0.9517, Unsupervised: 1.9627, Acc: 98.23%

[Epoch 262] Loss: 0.2118, Supervised: 0.9771, Unsupervised: 2.1998, Acc: 97.50%

[Epoch 263] Loss: 0.1781, Supervised: 0.9418, Unsupervised: 1.7290, Acc: 98.44%

[Epoch 264] Loss: 0.1885, Supervised: 1.1053, Unsupervised: 1.7228, Acc: 97.50%

[Epoch 265] Loss: 0.2021, Supervised: 1.0785, Unsupervised: 1.9523, Acc: 97.92%

[Epoch 266] Loss: 0.2153, Supervised: 0.7319, Unsupervised: 2.4977, Acc: 98.65%

[Epoch 267] Loss: 0.2194, Supervised: 1.0102, Unsupervised: 2.2807, Acc: 97.81%

[Epoch 268] Loss: 0.1870, Supervised: 0.9661, Unsupervised: 1.8385, Acc: 97.92%

[Epoch 269] Loss: 0.1995, Supervised: 1.0238, Unsupervised: 1.9681, Acc: 97.92%

[Epoch 270] Loss: 0.1831, Supervised: 1.1128, Unsupervised: 1.6332, Acc: 97.50%

[Epoch 271] Loss: 0.2018, Supervised: 0.9643, Unsupervised: 2.0623, Acc: 98.44%

[Epoch 272] Loss: 0.1718, Supervised: 0.8023, Unsupervised: 1.7750, Acc: 98.54%

[Epoch 273] Loss: 0.2410, Supervised: 0.8340, Unsupervised: 2.7804, Acc: 98.02%

[Epoch 274] Loss: 0.2038, Supervised: 0.9734, Unsupervised: 2.0834, Acc: 97.71%

[Epoch 275] Loss: 0.2016, Supervised: 0.8456, Unsupervised: 2.1780, Acc: 98.02%

[Epoch 276] Loss: 0.2160, Supervised: 0.8976, Unsupervised: 2.3424, Acc: 98.23%

[Epoch 277] Loss: 0.1851, Supervised: 0.7886, Unsupervised: 1.9874, Acc: 98.65%

[Epoch 278] Loss: 0.2308, Supervised: 1.1569, Unsupervised: 2.3046, Acc: 97.50%

[Epoch 279] Loss: 0.2195, Supervised: 1.0935, Unsupervised: 2.1990, Acc: 97.60%

[Epoch 280] Loss: 0.2425, Supervised: 1.3089, Unsupervised: 2.3288, Acc: 97.08%

[Epoch 281] Loss: 0.2479, Supervised: 1.2870, Unsupervised: 2.4309, Acc: 97.60%

[Epoch 282] Loss: 0.2395, Supervised: 1.5624, Unsupervised: 2.0298, Acc: 96.77%

[Epoch 283] Loss: 0.1568, Supervised: 0.9964, Unsupervised: 1.3563, Acc: 97.71%

[Epoch 284] Loss: 0.1637, Supervised: 0.5399, Unsupervised: 1.9152, Acc: 99.38%

[Epoch 285] Loss: 0.1534, Supervised: 0.6560, Unsupervised: 1.6456, Acc: 98.75%

[Epoch 286] Loss: 0.1394, Supervised: 0.5401, Unsupervised: 1.5508, Acc: 99.06%

[Epoch 287] Loss: 0.1516, Supervised: 0.7127, Unsupervised: 1.5611, Acc: 98.23%

[Epoch 288] Loss: 0.2364, Supervised: 0.9386, Unsupervised: 2.6079, Acc: 98.23%

[Epoch 289] Loss: 0.2418, Supervised: 0.9945, Unsupervised: 2.6331, Acc: 98.65%

[Epoch 290] Loss: 0.2077, Supervised: 1.1714, Unsupervised: 1.9444, Acc: 97.81%

[Epoch 291] Loss: 0.1836, Supervised: 0.8704, Unsupervised: 1.8833, Acc: 98.23%

[Epoch 292] Loss: 0.2234, Supervised: 0.8082, Unsupervised: 2.5421, Acc: 98.12%

[Epoch 293] Loss: 0.2026, Supervised: 0.9364, Unsupervised: 2.1027, Acc: 98.02%

[Epoch 294] Loss: 0.2549, Supervised: 1.2547, Unsupervised: 2.5696, Acc: 97.08%

[Epoch 295] Loss: 0.1741, Supervised: 0.8436, Unsupervised: 1.7685, Acc: 98.33%

[Epoch 296] Loss: 0.1986, Supervised: 0.7253, Unsupervised: 2.2536, Acc: 98.85%

[Epoch 297] Loss: 0.2229, Supervised: 0.7880, Unsupervised: 2.5556, Acc: 98.12%

[Epoch 298] Loss: 0.1814, Supervised: 0.6479, Unsupervised: 2.0734, Acc: 98.96%

[Epoch 299] Loss: 0.1857, Supervised: 0.7630, Unsupervised: 2.0219, Acc: 98.96%

[Epoch 300] Loss: 0.1827, Supervised: 0.8504, Unsupervised: 1.8898, Acc: 98.44%

[Epoch 301] Loss: 0.2062, Supervised: 0.7479, Unsupervised: 2.3454, Acc: 98.85%

[Epoch 302] Loss: 0.2391, Supervised: 1.0195, Unsupervised: 2.5677, Acc: 97.81%

[Epoch 303] Loss: 0.2263, Supervised: 1.5259, Unsupervised: 1.8693, Acc: 96.77%

[Epoch 304] Loss: 0.2132, Supervised: 0.9254, Unsupervised: 2.2727, Acc: 98.12%

[Epoch 305] Loss: 0.1946, Supervised: 0.7414, Unsupervised: 2.1774, Acc: 98.23%

[Epoch 306] Loss: 0.1880, Supervised: 0.9316, Unsupervised: 1.8888, Acc: 98.02%

[Epoch 307] Loss: 0.2641, Supervised: 0.6788, Unsupervised: 3.2823, Acc: 98.65%

[Epoch 308] Loss: 0.2231, Supervised: 1.2404, Unsupervised: 2.1062, Acc: 97.60%

[Epoch 309] Loss: 0.2065, Supervised: 1.0780, Unsupervised: 2.0194, Acc: 98.23%

[Epoch 310] Loss: 0.2279, Supervised: 0.9996, Unsupervised: 2.4190, Acc: 97.92%

[Epoch 311] Loss: 0.1669, Supervised: 0.9101, Unsupervised: 1.5936, Acc: 98.65%

[Epoch 312] Loss: 0.1711, Supervised: 0.5328, Unsupervised: 2.0334, Acc: 98.96%

[Epoch 313] Loss: 0.1692, Supervised: 0.7597, Unsupervised: 1.7790, Acc: 98.65%

[Epoch 314] Loss: 0.1758, Supervised: 0.7953, Unsupervised: 1.8423, Acc: 97.81%

[Epoch 315] Loss: 0.1946, Supervised: 0.6795, Unsupervised: 2.2395, Acc: 98.33%

[Epoch 316] Loss: 0.1859, Supervised: 0.9283, Unsupervised: 1.8606, Acc: 98.23%

[Epoch 317] Loss: 0.1739, Supervised: 0.4331, Unsupervised: 2.1747, Acc: 99.27%

[Epoch 318] Loss: 0.1961, Supervised: 0.7678, Unsupervised: 2.1733, Acc: 98.54%

[Epoch 319] Loss: 0.1515, Supervised: 0.5447, Unsupervised: 1.7278, Acc: 99.06%

[Epoch 320] Loss: 0.1977, Supervised: 0.7914, Unsupervised: 2.1747, Acc: 97.92%

[Epoch 321] Loss: 0.1744, Supervised: 0.5976, Unsupervised: 2.0180, Acc: 98.96%

[Epoch 322] Loss: 0.2234, Supervised: 0.8450, Unsupervised: 2.5065, Acc: 98.54%

[Epoch 323] Loss: 0.2028, Supervised: 1.0222, Unsupervised: 2.0193, Acc: 98.23%

[Epoch 324] Loss: 0.1718, Supervised: 0.8711, Unsupervised: 1.7053, Acc: 98.65%

[Epoch 325] Loss: 0.2159, Supervised: 1.0768, Unsupervised: 2.1610, Acc: 97.40%

[Epoch 326] Loss: 0.1821, Supervised: 1.0740, Unsupervised: 1.6577, Acc: 97.92%

[Epoch 327] Loss: 0.1824, Supervised: 0.9029, Unsupervised: 1.8325, Acc: 98.54%

[Epoch 328] Loss: 0.1766, Supervised: 0.6308, Unsupervised: 2.0182, Acc: 99.27%

[Epoch 329] Loss: 0.1990, Supervised: 0.8898, Unsupervised: 2.0947, Acc: 97.92%

[Epoch 330] Loss: 0.1815, Supervised: 0.7010, Unsupervised: 2.0214, Acc: 98.33%

[Epoch 331] Loss: 0.1859, Supervised: 0.7765, Unsupervised: 2.0115, Acc: 98.54%

[Epoch 332] Loss: 0.1822, Supervised: 0.9339, Unsupervised: 1.7985, Acc: 98.33%

[Epoch 333] Loss: 0.1716, Supervised: 0.5465, Unsupervised: 2.0268, Acc: 98.85%

[Epoch 334] Loss: 0.2301, Supervised: 1.1607, Unsupervised: 2.2903, Acc: 96.98%

[Epoch 335] Loss: 0.2471, Supervised: 1.0995, Unsupervised: 2.6074, Acc: 96.98%

[Epoch 336] Loss: 0.2162, Supervised: 1.0524, Unsupervised: 2.1903, Acc: 97.71%

[Epoch 337] Loss: 0.1961, Supervised: 0.9314, Unsupervised: 2.0105, Acc: 98.33%

[Epoch 338] Loss: 0.1994, Supervised: 0.9932, Unsupervised: 1.9979, Acc: 98.44%

[Epoch 339] Loss: 0.1844, Supervised: 0.8032, Unsupervised: 1.9630, Acc: 98.96%

[Epoch 340] Loss: 0.1563, Supervised: 0.6106, Unsupervised: 1.7344, Acc: 98.65%

[Epoch 341] Loss: 0.1650, Supervised: 0.6321, Unsupervised: 1.8422, Acc: 98.75%

[Epoch 342] Loss: 0.1883, Supervised: 0.7756, Unsupervised: 2.0482, Acc: 98.44%

[Epoch 343] Loss: 0.2454, Supervised: 0.9337, Unsupervised: 2.7469, Acc: 98.12%

[Epoch 344] Loss: 0.2226, Supervised: 1.1476, Unsupervised: 2.1921, Acc: 97.50%

[Epoch 345] Loss: 0.1654, Supervised: 0.7843, Unsupervised: 1.6964, Acc: 98.33%

[Epoch 346] Loss: 0.2062, Supervised: 0.7726, Unsupervised: 2.3209, Acc: 98.85%

[Epoch 347] Loss: 0.1815, Supervised: 0.8113, Unsupervised: 1.9110, Acc: 98.75%

[Epoch 348] Loss: 0.1630, Supervised: 0.6400, Unsupervised: 1.8044, Acc: 98.85%

[Epoch 349] Loss: 0.1787, Supervised: 0.6874, Unsupervised: 1.9929, Acc: 98.65%

[Epoch 350] Loss: 0.1933, Supervised: 0.5416, Unsupervised: 2.3580, Acc: 98.85%

[Epoch 351] Loss: 0.1716, Supervised: 0.9069, Unsupervised: 1.6674, Acc: 97.81%

[Epoch 352] Loss: 0.1845, Supervised: 0.7904, Unsupervised: 1.9778, Acc: 98.33%

[Epoch 353] Loss: 0.1868, Supervised: 0.8689, Unsupervised: 1.9330, Acc: 98.12%

[Epoch 354] Loss: 0.1678, Supervised: 0.8137, Unsupervised: 1.7033, Acc: 98.33%

[Epoch 355] Loss: 0.1984, Supervised: 1.1043, Unsupervised: 1.8721, Acc: 97.40%

[Epoch 356] Loss: 0.1915, Supervised: 0.7233, Unsupervised: 2.1488, Acc: 98.96%

[Epoch 357] Loss: 0.1965, Supervised: 0.7365, Unsupervised: 2.2112, Acc: 98.23%

[Epoch 358] Loss: 0.2247, Supervised: 0.8670, Unsupervised: 2.5033, Acc: 98.54%

[Epoch 359] Loss: 0.1734, Supervised: 0.8331, Unsupervised: 1.7677, Acc: 98.44%

[Epoch 360] Loss: 0.2011, Supervised: 0.6694, Unsupervised: 2.3471, Acc: 98.54%

[Epoch 361] Loss: 0.1936, Supervised: 0.8940, Unsupervised: 2.0104, Acc: 98.33%

[Epoch 362] Loss: 0.1973, Supervised: 0.6353, Unsupervised: 2.3237, Acc: 99.06%

[Epoch 363] Loss: 0.2199, Supervised: 1.0324, Unsupervised: 2.2660, Acc: 97.71%

[Epoch 364] Loss: 0.1856, Supervised: 0.6823, Unsupervised: 2.1024, Acc: 98.96%

[Epoch 365] Loss: 0.1725, Supervised: 0.8134, Unsupervised: 1.7744, Acc: 98.65%

[Epoch 366] Loss: 0.1772, Supervised: 0.7768, Unsupervised: 1.8811, Acc: 98.96%

[Epoch 367] Loss: 0.1945, Supervised: 0.9894, Unsupervised: 1.9277, Acc: 98.23%

[Epoch 368] Loss: 0.2164, Supervised: 1.0250, Unsupervised: 2.2208, Acc: 97.50%

[Epoch 369] Loss: 0.1787, Supervised: 0.8540, Unsupervised: 1.8269, Acc: 97.92%

[Epoch 370] Loss: 0.1735, Supervised: 0.7225, Unsupervised: 1.8797, Acc: 98.44%

[Epoch 371] Loss: 0.1678, Supervised: 0.8221, Unsupervised: 1.6953, Acc: 98.33%

[Epoch 372] Loss: 0.2061, Supervised: 1.1707, Unsupervised: 1.9212, Acc: 97.40%

[Epoch 373] Loss: 0.2051, Supervised: 0.9399, Unsupervised: 2.1369, Acc: 97.81%

[Epoch 374] Loss: 0.2305, Supervised: 0.9072, Unsupervised: 2.5500, Acc: 97.71%

[Epoch 375] Loss: 0.1995, Supervised: 0.8205, Unsupervised: 2.1723, Acc: 98.02%

[Epoch 376] Loss: 0.1948, Supervised: 0.6097, Unsupervised: 2.3116, Acc: 98.85%

[Epoch 377] Loss: 0.2327, Supervised: 0.9896, Unsupervised: 2.5004, Acc: 98.44%

[Epoch 378] Loss: 0.2120, Supervised: 1.0984, Unsupervised: 2.0816, Acc: 97.71%

[Epoch 379] Loss: 0.1815, Supervised: 0.9890, Unsupervised: 1.7333, Acc: 97.81%

[Epoch 380] Loss: 0.1938, Supervised: 0.9188, Unsupervised: 1.9888, Acc: 98.12%

[Epoch 381] Loss: 0.1643, Supervised: 0.4792, Unsupervised: 1.9853, Acc: 99.17%

[Epoch 382] Loss: 0.1531, Supervised: 0.9041, Unsupervised: 1.3919, Acc: 98.12%

[Epoch 383] Loss: 0.1577, Supervised: 0.6440, Unsupervised: 1.7216, Acc: 98.75%

[Epoch 384] Loss: 0.1911, Supervised: 0.7997, Unsupervised: 2.0666, Acc: 98.54%

[Epoch 385] Loss: 0.1678, Supervised: 0.8975, Unsupervised: 1.6193, Acc: 98.02%

[Epoch 386] Loss: 0.2164, Supervised: 0.8849, Unsupervised: 2.3606, Acc: 98.02%

[Epoch 387] Loss: 0.2138, Supervised: 1.1000, Unsupervised: 2.1066, Acc: 97.40%

[Epoch 388] Loss: 0.1824, Supervised: 0.8742, Unsupervised: 1.8614, Acc: 98.54%

[Epoch 389] Loss: 0.1860, Supervised: 0.8878, Unsupervised: 1.9023, Acc: 97.92%

[Epoch 390] Loss: 0.1470, Supervised: 0.5961, Unsupervised: 1.6085, Acc: 99.06%

[Epoch 391] Loss: 0.2078, Supervised: 0.8444, Unsupervised: 2.2727, Acc: 98.02%

[Epoch 392] Loss: 0.1748, Supervised: 0.9708, Unsupervised: 1.6515, Acc: 98.23%

[Epoch 393] Loss: 0.1516, Supervised: 0.5550, Unsupervised: 1.7182, Acc: 99.38%

[Epoch 394] Loss: 0.1463, Supervised: 0.5626, Unsupervised: 1.6318, Acc: 99.17%

[Epoch 395] Loss: 0.2029, Supervised: 0.7354, Unsupervised: 2.3080, Acc: 98.85%

[Epoch 396] Loss: 0.1877, Supervised: 1.0033, Unsupervised: 1.8120, Acc: 97.60%

[Epoch 397] Loss: 0.1783, Supervised: 0.5539, Unsupervised: 2.1213, Acc: 99.06%

[Epoch 398] Loss: 0.1284, Supervised: 0.5936, Unsupervised: 1.3323, Acc: 98.65%

[Epoch 399] Loss: 0.1686, Supervised: 0.6349, Unsupervised: 1.8945, Acc: 98.54%

[Epoch 400] Loss: 0.1863, Supervised: 0.7160, Unsupervised: 2.0781, Acc: 98.44%

[Epoch 401] Loss: 0.2004, Supervised: 1.0672, Unsupervised: 1.9389, Acc: 97.60%

[Epoch 402] Loss: 0.1479, Supervised: 0.6098, Unsupervised: 1.6085, Acc: 98.65%

[Epoch 403] Loss: 0.2106, Supervised: 0.8514, Unsupervised: 2.3070, Acc: 98.96%

[Epoch 404] Loss: 0.1919, Supervised: 0.7018, Unsupervised: 2.1765, Acc: 98.75%

[Epoch 405] Loss: 0.2268, Supervised: 1.0789, Unsupervised: 2.3237, Acc: 97.92%

[Epoch 406] Loss: 0.1832, Supervised: 1.1843, Unsupervised: 1.5634, Acc: 97.71%

[Epoch 407] Loss: 0.2076, Supervised: 1.0215, Unsupervised: 2.0922, Acc: 98.23%

[Epoch 408] Loss: 0.1877, Supervised: 0.8131, Unsupervised: 2.0016, Acc: 98.44%

[Epoch 409] Loss: 0.1708, Supervised: 0.5959, Unsupervised: 1.9655, Acc: 98.96%

[Epoch 410] Loss: 0.1614, Supervised: 0.8634, Unsupervised: 1.5576, Acc: 98.54%

[Epoch 411] Loss: 0.1823, Supervised: 0.7448, Unsupervised: 1.9889, Acc: 98.85%

[Epoch 412] Loss: 0.1804, Supervised: 0.8458, Unsupervised: 1.8599, Acc: 98.02%

[Epoch 413] Loss: 0.2101, Supervised: 1.1503, Unsupervised: 2.0009, Acc: 97.92%

[Epoch 414] Loss: 0.1634, Supervised: 0.7206, Unsupervised: 1.7306, Acc: 98.54%

[Epoch 415] Loss: 0.1773, Supervised: 0.7299, Unsupervised: 1.9300, Acc: 98.96%

[Epoch 416] Loss: 0.1722, Supervised: 0.6316, Unsupervised: 1.9513, Acc: 98.65%

[Epoch 417] Loss: 0.1777, Supervised: 0.7238, Unsupervised: 1.9420, Acc: 98.85%

[Epoch 418] Loss: 0.1654, Supervised: 0.8170, Unsupervised: 1.6634, Acc: 98.12%

[Epoch 419] Loss: 0.1658, Supervised: 0.5382, Unsupervised: 1.9488, Acc: 98.75%

[Epoch 420] Loss: 0.1506, Supervised: 0.5937, Unsupervised: 1.6651, Acc: 98.85%

[Epoch 421] Loss: 0.1960, Supervised: 0.5434, Unsupervised: 2.3969, Acc: 99.17%

[Epoch 422] Loss: 0.1680, Supervised: 0.9037, Unsupervised: 1.6157, Acc: 98.12%

[Epoch 423] Loss: 0.2081, Supervised: 0.6563, Unsupervised: 2.4647, Acc: 98.65%

[Epoch 424] Loss: 0.2128, Supervised: 0.9912, Unsupervised: 2.2004, Acc: 97.60%

[Epoch 425] Loss: 0.1978, Supervised: 0.7487, Unsupervised: 2.2178, Acc: 98.85%

[Epoch 426] Loss: 0.1911, Supervised: 1.0338, Unsupervised: 1.8320, Acc: 98.02%

[Epoch 427] Loss: 0.1823, Supervised: 1.0371, Unsupervised: 1.6968, Acc: 98.12%

[Epoch 428] Loss: 0.1801, Supervised: 0.7774, Unsupervised: 1.9241, Acc: 98.44%

[Epoch 429] Loss: 0.1693, Supervised: 0.7647, Unsupervised: 1.7745, Acc: 97.71%

[Epoch 430] Loss: 0.1458, Supervised: 0.7055, Unsupervised: 1.4820, Acc: 98.33%

[Epoch 431] Loss: 0.1905, Supervised: 0.7728, Unsupervised: 2.0841, Acc: 98.65%

[Epoch 432] Loss: 0.2115, Supervised: 0.9954, Unsupervised: 2.1770, Acc: 97.50%

[Epoch 433] Loss: 0.2113, Supervised: 0.7809, Unsupervised: 2.3890, Acc: 98.54%

[Epoch 434] Loss: 0.1412, Supervised: 0.7788, Unsupervised: 1.3392, Acc: 98.44%

[Epoch 435] Loss: 0.1566, Supervised: 0.4978, Unsupervised: 1.8520, Acc: 99.17%

[Epoch 436] Loss: 0.1635, Supervised: 0.7622, Unsupervised: 1.6909, Acc: 98.54%

[Epoch 437] Loss: 0.1511, Supervised: 0.6938, Unsupervised: 1.5727, Acc: 98.44%

[Epoch 438] Loss: 0.1766, Supervised: 0.7127, Unsupervised: 1.9363, Acc: 98.75%

[Epoch 439] Loss: 0.1619, Supervised: 0.7263, Unsupervised: 1.7022, Acc: 98.33%

[Epoch 440] Loss: 0.1752, Supervised: 0.8887, Unsupervised: 1.7390, Acc: 98.02%

[Epoch 441] Loss: 0.1506, Supervised: 0.5331, Unsupervised: 1.7256, Acc: 99.17%

[Epoch 442] Loss: 0.2227, Supervised: 0.6694, Unsupervised: 2.6706, Acc: 98.85%

[Epoch 443] Loss: 0.2236, Supervised: 1.1606, Unsupervised: 2.1941, Acc: 97.08%

[Epoch 444] Loss: 0.1892, Supervised: 0.8549, Unsupervised: 1.9836, Acc: 98.02%

[Epoch 445] Loss: 0.2080, Supervised: 0.8322, Unsupervised: 2.2873, Acc: 98.23%

[Epoch 446] Loss: 0.1729, Supervised: 0.6937, Unsupervised: 1.8994, Acc: 98.44%

[Epoch 447] Loss: 0.1316, Supervised: 0.5559, Unsupervised: 1.4176, Acc: 99.06%

[Epoch 448] Loss: 0.1638, Supervised: 0.4958, Unsupervised: 1.9620, Acc: 99.06%

[Epoch 449] Loss: 0.1599, Supervised: 0.8274, Unsupervised: 1.5708, Acc: 98.75%

[Epoch 450] Loss: 0.1242, Supervised: 0.4169, Unsupervised: 1.4466, Acc: 99.48%

[Epoch 451] Loss: 0.1863, Supervised: 0.3605, Unsupervised: 2.4339, Acc: 99.38%

[Epoch 452] Loss: 0.2129, Supervised: 0.9294, Unsupervised: 2.2641, Acc: 97.71%

[Epoch 453] Loss: 0.2069, Supervised: 1.1471, Unsupervised: 1.9563, Acc: 97.19%

[Epoch 454] Loss: 0.1980, Supervised: 1.0427, Unsupervised: 1.9267, Acc: 97.50%

[Epoch 455] Loss: 0.1815, Supervised: 0.6688, Unsupervised: 2.0537, Acc: 98.75%

[Epoch 456] Loss: 0.1641, Supervised: 0.6002, Unsupervised: 1.8608, Acc: 99.06%

[Epoch 457] Loss: 0.1679, Supervised: 0.8742, Unsupervised: 1.6450, Acc: 98.12%

[Epoch 458] Loss: 0.1642, Supervised: 0.6653, Unsupervised: 1.7979, Acc: 98.33%

[Epoch 459] Loss: 0.1824, Supervised: 0.8108, Unsupervised: 1.9252, Acc: 98.33%

[Epoch 460] Loss: 0.1709, Supervised: 0.6659, Unsupervised: 1.8973, Acc: 98.33%

[Epoch 461] Loss: 0.2011, Supervised: 1.0824, Unsupervised: 1.9344, Acc: 97.50%

[Epoch 462] Loss: 0.1891, Supervised: 0.7578, Unsupervised: 2.0793, Acc: 98.54%

[Epoch 463] Loss: 0.1188, Supervised: 0.5964, Unsupervised: 1.1852, Acc: 98.85%

[Epoch 464] Loss: 0.1827, Supervised: 0.5484, Unsupervised: 2.1917, Acc: 99.06%

[Epoch 465] Loss: 0.1817, Supervised: 0.8949, Unsupervised: 1.8302, Acc: 98.33%

[Epoch 466] Loss: 0.1512, Supervised: 0.6732, Unsupervised: 1.5942, Acc: 98.75%

[Epoch 467] Loss: 0.1727, Supervised: 0.5739, Unsupervised: 2.0165, Acc: 98.96%

[Epoch 468] Loss: 0.1767, Supervised: 0.7249, Unsupervised: 1.9260, Acc: 98.33%

[Epoch 469] Loss: 0.2100, Supervised: 0.7715, Unsupervised: 2.3782, Acc: 98.65%

[Epoch 470] Loss: 0.1992, Supervised: 0.7365, Unsupervised: 2.2518, Acc: 98.85%

[Epoch 471] Loss: 0.1775, Supervised: 0.6631, Unsupervised: 2.0002, Acc: 98.54%

[Epoch 472] Loss: 0.1585, Supervised: 0.8722, Unsupervised: 1.5049, Acc: 97.92%

[Epoch 473] Loss: 0.1941, Supervised: 0.8164, Unsupervised: 2.0957, Acc: 98.33%

[Epoch 474] Loss: 0.2713, Supervised: 1.3893, Unsupervised: 2.6797, Acc: 97.19%

[Epoch 475] Loss: 0.1791, Supervised: 1.1181, Unsupervised: 1.5684, Acc: 97.81%

[Epoch 476] Loss: 0.1897, Supervised: 0.8675, Unsupervised: 1.9784, Acc: 98.33%

[Epoch 477] Loss: 0.1938, Supervised: 0.8093, Unsupervised: 2.0975, Acc: 98.65%

[Epoch 478] Loss: 0.1499, Supervised: 0.4563, Unsupervised: 1.7922, Acc: 99.27%

[Epoch 479] Loss: 0.1795, Supervised: 0.6824, Unsupervised: 2.0096, Acc: 98.65%

[Epoch 480] Loss: 0.1996, Supervised: 0.7956, Unsupervised: 2.1989, Acc: 98.33%

[Epoch 481] Loss: 0.1894, Supervised: 0.6335, Unsupervised: 2.2079, Acc: 98.75%

[Epoch 482] Loss: 0.1580, Supervised: 0.6993, Unsupervised: 1.6702, Acc: 98.65%

[Epoch 483] Loss: 0.1739, Supervised: 0.5290, Unsupervised: 2.0788, Acc: 98.85%

[Epoch 484] Loss: 0.1669, Supervised: 0.6685, Unsupervised: 1.8357, Acc: 98.75%

[Epoch 485] Loss: 0.1619, Supervised: 0.6355, Unsupervised: 1.7936, Acc: 98.75%

[Epoch 486] Loss: 0.1899, Supervised: 0.6329, Unsupervised: 2.2162, Acc: 98.96%

[Epoch 487] Loss: 0.1769, Supervised: 0.7888, Unsupervised: 1.8639, Acc: 98.33%

[Epoch 488] Loss: 0.2080, Supervised: 0.8727, Unsupervised: 2.2468, Acc: 97.81%

[Epoch 489] Loss: 0.1982, Supervised: 0.8127, Unsupervised: 2.1608, Acc: 98.54%

[Epoch 490] Loss: 0.2257, Supervised: 0.9701, Unsupervised: 2.4157, Acc: 97.71%

[Epoch 491] Loss: 0.1565, Supervised: 0.8041, Unsupervised: 1.5431, Acc: 98.75%

[Epoch 492] Loss: 0.2055, Supervised: 1.1291, Unsupervised: 1.9530, Acc: 98.02%

[Epoch 493] Loss: 0.1797, Supervised: 0.6809, Unsupervised: 2.0150, Acc: 98.85%

[Epoch 494] Loss: 0.2025, Supervised: 0.7264, Unsupervised: 2.3105, Acc: 98.65%

[Epoch 495] Loss: 0.1842, Supervised: 0.8020, Unsupervised: 1.9611, Acc: 98.33%

[Epoch 496] Loss: 0.1691, Supervised: 0.6408, Unsupervised: 1.8960, Acc: 98.85%

[Epoch 497] Loss: 0.1937, Supervised: 0.9340, Unsupervised: 1.9718, Acc: 98.75%

[Epoch 498] Loss: 0.1988, Supervised: 0.7745, Unsupervised: 2.2073, Acc: 98.65%

[Epoch 499] Loss: 0.1793, Supervised: 0.6615, Unsupervised: 2.0284, Acc: 98.65%

[Seed 0] Test Accuracy: 59.11%

CIFAR10 | l=1000, p=0.3 => Accuracy: 59.11 ± 0.00

Process finished with exit code 0