D:\Python3.11.5\python.exe "D:\test\_cuda\deeplearning modify\main.py"

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

Dataset fashion\_mnist: 1000 labeled instances, 59000 unlabeled instances

Average number of candidates per labeled instance: 3.00

[Epoch 0] Loss: 2.4113, Supervised: 36.1643, Unsupervised: 0.0047, Acc: 20.21%

[Epoch 1] Loss: 1.3942, Supervised: 20.8972, Unsupervised: 0.0153, Acc: 52.50%

[Epoch 2] Loss: 1.2508, Supervised: 18.7295, Unsupervised: 0.0326, Acc: 55.94%

[Epoch 3] Loss: 0.9822, Supervised: 14.6950, Unsupervised: 0.0381, Acc: 64.90%

[Epoch 4] Loss: 0.8075, Supervised: 12.0607, Unsupervised: 0.0520, Acc: 69.69%

[Epoch 5] Loss: 0.7738, Supervised: 11.5490, Unsupervised: 0.0581, Acc: 73.12%

[Epoch 6] Loss: 0.7249, Supervised: 10.8227, Unsupervised: 0.0505, Acc: 73.02%

[Epoch 7] Loss: 0.7142, Supervised: 10.6505, Unsupervised: 0.0622, Acc: 74.17%

[Epoch 8] Loss: 0.6848, Supervised: 10.2204, Unsupervised: 0.0521, Acc: 73.75%

[Epoch 9] Loss: 0.6450, Supervised: 9.6110, Unsupervised: 0.0640, Acc: 76.25%

[Epoch 10] Loss: 0.6643, Supervised: 9.9074, Unsupervised: 0.0577, Acc: 75.42%

[Epoch 11] Loss: 0.6642, Supervised: 9.9115, Unsupervised: 0.0512, Acc: 75.94%

[Epoch 12] Loss: 0.6547, Supervised: 9.7617, Unsupervised: 0.0593, Acc: 75.21%

[Epoch 13] Loss: 0.5477, Supervised: 8.1509, Unsupervised: 0.0642, Acc: 79.17%

[Epoch 14] Loss: 0.5296, Supervised: 7.8997, Unsupervised: 0.0444, Acc: 78.75%

[Epoch 15] Loss: 0.5037, Supervised: 7.5043, Unsupervised: 0.0515, Acc: 80.31%

[Epoch 16] Loss: 0.5498, Supervised: 8.2012, Unsupervised: 0.0455, Acc: 79.27%

[Epoch 17] Loss: 0.5359, Supervised: 7.9836, Unsupervised: 0.0554, Acc: 79.17%

[Epoch 18] Loss: 0.4494, Supervised: 6.6897, Unsupervised: 0.0512, Acc: 81.35%

[Epoch 19] Loss: 0.4375, Supervised: 6.5161, Unsupervised: 0.0465, Acc: 83.02%

[Epoch 20] Loss: 0.4551, Supervised: 6.7676, Unsupervised: 0.0584, Acc: 82.50%

[Epoch 21] Loss: 0.4318, Supervised: 6.4250, Unsupervised: 0.0527, Acc: 83.96%

[Epoch 22] Loss: 0.4201, Supervised: 6.2511, Unsupervised: 0.0500, Acc: 82.40%

[Epoch 23] Loss: 0.3918, Supervised: 5.8293, Unsupervised: 0.0473, Acc: 83.75%

[Epoch 24] Loss: 0.4217, Supervised: 6.2793, Unsupervised: 0.0466, Acc: 83.96%

[Epoch 25] Loss: 0.4149, Supervised: 6.1732, Unsupervised: 0.0500, Acc: 85.21%

[Epoch 26] Loss: 0.4308, Supervised: 6.4014, Unsupervised: 0.0602, Acc: 83.75%

[Epoch 27] Loss: 0.4129, Supervised: 6.1323, Unsupervised: 0.0605, Acc: 84.06%

[Epoch 28] Loss: 0.3980, Supervised: 5.9199, Unsupervised: 0.0496, Acc: 85.31%

[Epoch 29] Loss: 0.3864, Supervised: 5.7417, Unsupervised: 0.0536, Acc: 84.90%

[Epoch 30] Loss: 0.3469, Supervised: 5.1496, Unsupervised: 0.0537, Acc: 87.40%

[Epoch 31] Loss: 0.3425, Supervised: 5.0967, Unsupervised: 0.0409, Acc: 87.40%

[Epoch 32] Loss: 0.4122, Supervised: 6.1210, Unsupervised: 0.0613, Acc: 85.21%

[Epoch 33] Loss: 0.3998, Supervised: 5.9510, Unsupervised: 0.0467, Acc: 85.83%

[Epoch 34] Loss: 0.3566, Supervised: 5.2996, Unsupervised: 0.0497, Acc: 86.77%

[Epoch 35] Loss: 0.3191, Supervised: 4.7296, Unsupervised: 0.0576, Acc: 87.60%

[Epoch 36] Loss: 0.3274, Supervised: 4.8547, Unsupervised: 0.0567, Acc: 87.50%

[Epoch 37] Loss: 0.3190, Supervised: 4.7358, Unsupervised: 0.0491, Acc: 87.19%

[Epoch 38] Loss: 0.2886, Supervised: 4.2744, Unsupervised: 0.0542, Acc: 90.10%

[Epoch 39] Loss: 0.2659, Supervised: 3.9425, Unsupervised: 0.0463, Acc: 89.90%

[Epoch 40] Loss: 0.2852, Supervised: 4.2282, Unsupervised: 0.0493, Acc: 88.44%

[Epoch 41] Loss: 0.2748, Supervised: 4.0702, Unsupervised: 0.0513, Acc: 89.79%

[Epoch 42] Loss: 0.3191, Supervised: 4.7388, Unsupervised: 0.0483, Acc: 89.27%

[Epoch 43] Loss: 0.3266, Supervised: 4.8492, Unsupervised: 0.0504, Acc: 88.12%

[Epoch 44] Loss: 0.2941, Supervised: 4.3603, Unsupervised: 0.0508, Acc: 89.17%

[Epoch 45] Loss: 0.3007, Supervised: 4.4655, Unsupervised: 0.0451, Acc: 88.44%

[Epoch 46] Loss: 0.2484, Supervised: 3.6657, Unsupervised: 0.0598, Acc: 91.46%

[Epoch 47] Loss: 0.2919, Supervised: 4.3258, Unsupervised: 0.0527, Acc: 90.00%

[Epoch 48] Loss: 0.2773, Supervised: 4.1120, Unsupervised: 0.0477, Acc: 89.79%

[Epoch 49] Loss: 0.2800, Supervised: 4.1415, Unsupervised: 0.0584, Acc: 89.38%

[Epoch 50] Loss: 0.2757, Supervised: 4.0864, Unsupervised: 0.0497, Acc: 89.69%

[Epoch 51] Loss: 0.2462, Supervised: 3.6388, Unsupervised: 0.0537, Acc: 90.62%

[Epoch 52] Loss: 0.2467, Supervised: 3.6529, Unsupervised: 0.0470, Acc: 90.62%

[Epoch 53] Loss: 0.2483, Supervised: 3.6761, Unsupervised: 0.0485, Acc: 90.52%

[Epoch 54] Loss: 0.2421, Supervised: 3.5789, Unsupervised: 0.0521, Acc: 90.31%

[Epoch 55] Loss: 0.2222, Supervised: 3.2899, Unsupervised: 0.0430, Acc: 91.77%

[Epoch 56] Loss: 0.2306, Supervised: 3.4063, Unsupervised: 0.0526, Acc: 91.46%

[Epoch 57] Loss: 0.2418, Supervised: 3.5775, Unsupervised: 0.0501, Acc: 91.46%

[Epoch 58] Loss: 0.2162, Supervised: 3.1976, Unsupervised: 0.0451, Acc: 91.98%

[Epoch 59] Loss: 0.2214, Supervised: 3.2749, Unsupervised: 0.0460, Acc: 91.88%

[Epoch 60] Loss: 0.2189, Supervised: 3.2266, Unsupervised: 0.0569, Acc: 91.25%

[Epoch 61] Loss: 0.2348, Supervised: 3.4681, Unsupervised: 0.0533, Acc: 92.29%

[Epoch 62] Loss: 0.1995, Supervised: 2.9386, Unsupervised: 0.0540, Acc: 91.98%

[Epoch 63] Loss: 0.2015, Supervised: 2.9655, Unsupervised: 0.0573, Acc: 92.71%

[Epoch 64] Loss: 0.1951, Supervised: 2.8809, Unsupervised: 0.0457, Acc: 93.44%

[Epoch 65] Loss: 0.2258, Supervised: 3.3385, Unsupervised: 0.0478, Acc: 89.58%

[Epoch 66] Loss: 0.2141, Supervised: 3.1558, Unsupervised: 0.0556, Acc: 92.29%

[Epoch 67] Loss: 0.1747, Supervised: 2.5693, Unsupervised: 0.0508, Acc: 93.96%

[Epoch 68] Loss: 0.2149, Supervised: 3.1628, Unsupervised: 0.0601, Acc: 91.04%

[Epoch 69] Loss: 0.1686, Supervised: 2.4806, Unsupervised: 0.0489, Acc: 93.54%

[Epoch 70] Loss: 0.1959, Supervised: 2.8837, Unsupervised: 0.0552, Acc: 91.77%

[Epoch 71] Loss: 0.2136, Supervised: 3.1614, Unsupervised: 0.0425, Acc: 92.81%

[Epoch 72] Loss: 0.1928, Supervised: 2.8360, Unsupervised: 0.0559, Acc: 93.02%

[Epoch 73] Loss: 0.1919, Supervised: 2.8268, Unsupervised: 0.0520, Acc: 93.44%

[Epoch 74] Loss: 0.1291, Supervised: 1.8813, Unsupervised: 0.0547, Acc: 95.31%

[Epoch 75] Loss: 0.1463, Supervised: 2.1434, Unsupervised: 0.0517, Acc: 94.06%

[Epoch 76] Loss: 0.1435, Supervised: 2.1020, Unsupervised: 0.0510, Acc: 95.62%

[Epoch 77] Loss: 0.1323, Supervised: 1.9332, Unsupervised: 0.0513, Acc: 95.31%

[Epoch 78] Loss: 0.1394, Supervised: 2.0402, Unsupervised: 0.0507, Acc: 95.00%

[Epoch 79] Loss: 0.1525, Supervised: 2.2460, Unsupervised: 0.0411, Acc: 94.48%

[Epoch 80] Loss: 0.1819, Supervised: 2.6790, Unsupervised: 0.0499, Acc: 93.96%

[Epoch 81] Loss: 0.2390, Supervised: 3.5291, Unsupervised: 0.0555, Acc: 91.88%

[Epoch 82] Loss: 0.2207, Supervised: 3.2622, Unsupervised: 0.0483, Acc: 91.35%

[Epoch 83] Loss: 0.1884, Supervised: 2.7754, Unsupervised: 0.0514, Acc: 93.75%

[Epoch 84] Loss: 0.2383, Supervised: 3.5218, Unsupervised: 0.0526, Acc: 91.04%

[Epoch 85] Loss: 0.1591, Supervised: 2.3296, Unsupervised: 0.0564, Acc: 93.02%

[Epoch 86] Loss: 0.1368, Supervised: 1.9967, Unsupervised: 0.0553, Acc: 95.31%

[Epoch 87] Loss: 0.1127, Supervised: 1.6375, Unsupervised: 0.0524, Acc: 95.94%

[Epoch 88] Loss: 0.1175, Supervised: 1.7179, Unsupervised: 0.0450, Acc: 95.73%

[Epoch 89] Loss: 0.0918, Supervised: 1.3231, Unsupervised: 0.0537, Acc: 96.35%

[Epoch 90] Loss: 0.1525, Supervised: 2.2361, Unsupervised: 0.0517, Acc: 94.79%

[Epoch 91] Loss: 0.1354, Supervised: 1.9796, Unsupervised: 0.0507, Acc: 95.94%

[Epoch 92] Loss: 0.1511, Supervised: 2.2168, Unsupervised: 0.0496, Acc: 94.90%

[Epoch 93] Loss: 0.1268, Supervised: 1.8544, Unsupervised: 0.0472, Acc: 95.42%

[Epoch 94] Loss: 0.1227, Supervised: 1.7906, Unsupervised: 0.0502, Acc: 95.00%

[Epoch 95] Loss: 0.1187, Supervised: 1.7334, Unsupervised: 0.0478, Acc: 96.15%

[Epoch 96] Loss: 0.0959, Supervised: 1.3940, Unsupervised: 0.0446, Acc: 96.04%

[Epoch 97] Loss: 0.0800, Supervised: 1.1514, Unsupervised: 0.0480, Acc: 97.29%

[Epoch 98] Loss: 0.1119, Supervised: 1.6289, Unsupervised: 0.0503, Acc: 96.46%

[Epoch 99] Loss: 0.1119, Supervised: 1.6357, Unsupervised: 0.0428, Acc: 96.67%

[Epoch 100] Loss: 0.1462, Supervised: 2.1500, Unsupervised: 0.0434, Acc: 94.58%

[Epoch 101] Loss: 0.1055, Supervised: 1.5229, Unsupervised: 0.0589, Acc: 96.25%

[Epoch 102] Loss: 0.1338, Supervised: 1.9559, Unsupervised: 0.0511, Acc: 94.79%

[Epoch 103] Loss: 0.1094, Supervised: 1.5964, Unsupervised: 0.0444, Acc: 96.25%

[Epoch 104] Loss: 0.0994, Supervised: 1.4397, Unsupervised: 0.0515, Acc: 96.46%

[Epoch 105] Loss: 0.0826, Supervised: 1.1881, Unsupervised: 0.0506, Acc: 97.08%

[Epoch 106] Loss: 0.1283, Supervised: 1.8727, Unsupervised: 0.0522, Acc: 95.31%

[Epoch 107] Loss: 0.1078, Supervised: 1.5759, Unsupervised: 0.0415, Acc: 96.46%

[Epoch 108] Loss: 0.0661, Supervised: 0.9464, Unsupervised: 0.0458, Acc: 98.02%

[Epoch 109] Loss: 0.0721, Supervised: 1.0400, Unsupervised: 0.0417, Acc: 97.29%

[Epoch 110] Loss: 0.0675, Supervised: 0.9675, Unsupervised: 0.0453, Acc: 97.60%

[Epoch 111] Loss: 0.1058, Supervised: 1.5434, Unsupervised: 0.0432, Acc: 96.56%

[Epoch 112] Loss: 0.0920, Supervised: 1.3393, Unsupervised: 0.0400, Acc: 97.08%

[Epoch 113] Loss: 0.0910, Supervised: 1.3173, Unsupervised: 0.0473, Acc: 97.40%

[Epoch 114] Loss: 0.1203, Supervised: 1.7590, Unsupervised: 0.0450, Acc: 95.73%

[Epoch 115] Loss: 0.1075, Supervised: 1.5613, Unsupervised: 0.0512, Acc: 96.77%

[Epoch 116] Loss: 0.0686, Supervised: 0.9843, Unsupervised: 0.0454, Acc: 97.81%

[Epoch 117] Loss: 0.0720, Supervised: 1.0347, Unsupervised: 0.0448, Acc: 97.50%

[Epoch 118] Loss: 0.0609, Supervised: 0.8735, Unsupervised: 0.0399, Acc: 98.02%

[Epoch 119] Loss: 0.0761, Supervised: 1.1011, Unsupervised: 0.0404, Acc: 97.08%

[Epoch 120] Loss: 0.0709, Supervised: 1.0100, Unsupervised: 0.0529, Acc: 97.81%

[Epoch 121] Loss: 0.0798, Supervised: 1.1595, Unsupervised: 0.0380, Acc: 96.88%

[Epoch 122] Loss: 0.0456, Supervised: 0.6427, Unsupervised: 0.0415, Acc: 98.65%

[Epoch 123] Loss: 0.0609, Supervised: 0.8660, Unsupervised: 0.0474, Acc: 97.50%

[Epoch 124] Loss: 0.0866, Supervised: 1.2658, Unsupervised: 0.0339, Acc: 96.88%

[Epoch 125] Loss: 0.0675, Supervised: 0.9683, Unsupervised: 0.0449, Acc: 98.23%

[Epoch 126] Loss: 0.0767, Supervised: 1.1035, Unsupervised: 0.0475, Acc: 97.29%

[Epoch 127] Loss: 0.0693, Supervised: 0.9913, Unsupervised: 0.0478, Acc: 97.81%

[Epoch 128] Loss: 0.0740, Supervised: 1.0686, Unsupervised: 0.0417, Acc: 97.60%

[Epoch 129] Loss: 0.0883, Supervised: 1.2846, Unsupervised: 0.0403, Acc: 96.35%

[Epoch 130] Loss: 0.1151, Supervised: 1.6796, Unsupervised: 0.0464, Acc: 96.25%

[Epoch 131] Loss: 0.0701, Supervised: 1.0089, Unsupervised: 0.0421, Acc: 97.60%

[Epoch 132] Loss: 0.0998, Supervised: 1.4534, Unsupervised: 0.0439, Acc: 96.35%

[Epoch 133] Loss: 0.1295, Supervised: 1.8996, Unsupervised: 0.0428, Acc: 95.52%

[Epoch 134] Loss: 0.0933, Supervised: 1.3522, Unsupervised: 0.0468, Acc: 96.35%

[Epoch 135] Loss: 0.0865, Supervised: 1.2521, Unsupervised: 0.0458, Acc: 97.50%

[Epoch 136] Loss: 0.0850, Supervised: 1.2255, Unsupervised: 0.0489, Acc: 96.46%

[Epoch 137] Loss: 0.0739, Supervised: 1.0703, Unsupervised: 0.0377, Acc: 97.60%

[Epoch 138] Loss: 0.0510, Supervised: 0.7200, Unsupervised: 0.0456, Acc: 98.54%

[Epoch 139] Loss: 0.0644, Supervised: 0.9272, Unsupervised: 0.0382, Acc: 97.81%

[Epoch 140] Loss: 0.0535, Supervised: 0.7606, Unsupervised: 0.0425, Acc: 98.02%

[Epoch 141] Loss: 0.0431, Supervised: 0.6012, Unsupervised: 0.0450, Acc: 98.54%

[Epoch 142] Loss: 0.0433, Supervised: 0.6107, Unsupervised: 0.0387, Acc: 98.44%

[Epoch 143] Loss: 0.0373, Supervised: 0.5171, Unsupervised: 0.0423, Acc: 98.75%

[Epoch 144] Loss: 0.0326, Supervised: 0.4487, Unsupervised: 0.0403, Acc: 98.75%

[Epoch 145] Loss: 0.0292, Supervised: 0.4011, Unsupervised: 0.0362, Acc: 98.96%

[Epoch 146] Loss: 0.0469, Supervised: 0.6637, Unsupervised: 0.0398, Acc: 98.75%

[Epoch 147] Loss: 0.0443, Supervised: 0.6263, Unsupervised: 0.0389, Acc: 98.33%

[Epoch 148] Loss: 0.0593, Supervised: 0.8513, Unsupervised: 0.0381, Acc: 98.02%

[Epoch 149] Loss: 0.0725, Supervised: 1.0519, Unsupervised: 0.0362, Acc: 97.40%

[Epoch 150] Loss: 0.1021, Supervised: 1.4861, Unsupervised: 0.0457, Acc: 96.98%

[Epoch 151] Loss: 0.0394, Supervised: 0.5451, Unsupervised: 0.0465, Acc: 98.54%

[Epoch 152] Loss: 0.0533, Supervised: 0.7590, Unsupervised: 0.0408, Acc: 98.02%

[Epoch 153] Loss: 0.0757, Supervised: 1.0929, Unsupervised: 0.0429, Acc: 97.92%

[Epoch 154] Loss: 0.0568, Supervised: 0.8060, Unsupervised: 0.0466, Acc: 97.71%

[Epoch 155] Loss: 0.0470, Supervised: 0.6690, Unsupervised: 0.0355, Acc: 98.12%

[Epoch 156] Loss: 0.0537, Supervised: 0.7590, Unsupervised: 0.0470, Acc: 98.44%

[Epoch 157] Loss: 0.0645, Supervised: 0.9173, Unsupervised: 0.0499, Acc: 97.29%

[Epoch 158] Loss: 0.0460, Supervised: 0.6513, Unsupervised: 0.0383, Acc: 98.44%

[Epoch 159] Loss: 0.0650, Supervised: 0.9357, Unsupervised: 0.0401, Acc: 97.92%

[Epoch 160] Loss: 0.0754, Supervised: 1.0975, Unsupervised: 0.0331, Acc: 97.92%

[Epoch 161] Loss: 0.0708, Supervised: 1.0234, Unsupervised: 0.0386, Acc: 97.40%

[Epoch 162] Loss: 0.0845, Supervised: 1.2188, Unsupervised: 0.0483, Acc: 96.98%

[Epoch 163] Loss: 0.0766, Supervised: 1.1064, Unsupervised: 0.0427, Acc: 97.29%

[Epoch 164] Loss: 0.0540, Supervised: 0.7659, Unsupervised: 0.0441, Acc: 98.44%

[Epoch 165] Loss: 0.0968, Supervised: 1.4077, Unsupervised: 0.0448, Acc: 96.04%

[Epoch 166] Loss: 0.0567, Supervised: 0.8139, Unsupervised: 0.0372, Acc: 97.60%

[Epoch 167] Loss: 0.0547, Supervised: 0.7727, Unsupervised: 0.0472, Acc: 97.60%

[Epoch 168] Loss: 0.0537, Supervised: 0.7554, Unsupervised: 0.0497, Acc: 98.23%

[Epoch 169] Loss: 0.0410, Supervised: 0.5818, Unsupervised: 0.0328, Acc: 98.54%

[Epoch 170] Loss: 0.0363, Supervised: 0.5004, Unsupervised: 0.0443, Acc: 98.96%

[Epoch 171] Loss: 0.0317, Supervised: 0.4419, Unsupervised: 0.0336, Acc: 98.75%

[Epoch 172] Loss: 0.0289, Supervised: 0.3983, Unsupervised: 0.0348, Acc: 99.06%

[Epoch 173] Loss: 0.0325, Supervised: 0.4502, Unsupervised: 0.0368, Acc: 98.96%

[Epoch 174] Loss: 0.0206, Supervised: 0.2670, Unsupervised: 0.0417, Acc: 99.58%

[Epoch 175] Loss: 0.0368, Supervised: 0.5149, Unsupervised: 0.0376, Acc: 98.85%

[Epoch 176] Loss: 0.0433, Supervised: 0.6125, Unsupervised: 0.0369, Acc: 98.65%

[Epoch 177] Loss: 0.0273, Supervised: 0.3767, Unsupervised: 0.0326, Acc: 99.06%

[Epoch 178] Loss: 0.0437, Supervised: 0.6178, Unsupervised: 0.0384, Acc: 98.44%

[Epoch 179] Loss: 0.0487, Supervised: 0.6888, Unsupervised: 0.0414, Acc: 98.44%

[Epoch 180] Loss: 0.1008, Supervised: 1.4669, Unsupervised: 0.0454, Acc: 96.98%

[Epoch 181] Loss: 0.1033, Supervised: 1.4995, Unsupervised: 0.0500, Acc: 97.19%

[Epoch 182] Loss: 0.0656, Supervised: 0.9345, Unsupervised: 0.0496, Acc: 97.50%

[Epoch 183] Loss: 0.0215, Supervised: 0.2760, Unsupervised: 0.0459, Acc: 99.58%

[Epoch 184] Loss: 0.0293, Supervised: 0.4041, Unsupervised: 0.0354, Acc: 99.38%

[Epoch 185] Loss: 0.0337, Supervised: 0.4687, Unsupervised: 0.0362, Acc: 98.65%

[Epoch 186] Loss: 0.0483, Supervised: 0.6836, Unsupervised: 0.0408, Acc: 98.23%

[Epoch 187] Loss: 0.0735, Supervised: 1.0624, Unsupervised: 0.0403, Acc: 97.40%

[Epoch 188] Loss: 0.0605, Supervised: 0.8643, Unsupervised: 0.0437, Acc: 97.81%

[Epoch 189] Loss: 0.0980, Supervised: 1.4340, Unsupervised: 0.0367, Acc: 96.88%

[Epoch 190] Loss: 0.0586, Supervised: 0.8355, Unsupervised: 0.0432, Acc: 98.12%

[Epoch 191] Loss: 0.0315, Supervised: 0.4405, Unsupervised: 0.0314, Acc: 99.06%

[Epoch 192] Loss: 0.0338, Supervised: 0.4674, Unsupervised: 0.0397, Acc: 98.65%

[Epoch 193] Loss: 0.0484, Supervised: 0.6941, Unsupervised: 0.0316, Acc: 99.06%

[Epoch 194] Loss: 0.0723, Supervised: 1.0422, Unsupervised: 0.0425, Acc: 98.12%

[Epoch 195] Loss: 0.0389, Supervised: 0.5378, Unsupervised: 0.0461, Acc: 98.44%

[Epoch 196] Loss: 0.0460, Supervised: 0.6476, Unsupervised: 0.0422, Acc: 98.54%

[Epoch 197] Loss: 0.0247, Supervised: 0.3298, Unsupervised: 0.0407, Acc: 99.27%

[Epoch 198] Loss: 0.0171, Supervised: 0.2242, Unsupervised: 0.0322, Acc: 99.38%

[Epoch 199] Loss: 0.0220, Supervised: 0.2878, Unsupervised: 0.0426, Acc: 99.38%

[Epoch 200] Loss: 0.0160, Supervised: 0.2002, Unsupervised: 0.0391, Acc: 99.79%

[Epoch 201] Loss: 0.0138, Supervised: 0.1713, Unsupervised: 0.0352, Acc: 99.58%

[Epoch 202] Loss: 0.0243, Supervised: 0.3269, Unsupervised: 0.0375, Acc: 99.38%

[Epoch 203] Loss: 0.0254, Supervised: 0.3480, Unsupervised: 0.0337, Acc: 99.27%

[Epoch 204] Loss: 0.0318, Supervised: 0.4413, Unsupervised: 0.0351, Acc: 98.96%

[Epoch 205] Loss: 0.0220, Supervised: 0.2922, Unsupervised: 0.0374, Acc: 99.27%

[Epoch 206] Loss: 0.0427, Supervised: 0.6080, Unsupervised: 0.0324, Acc: 98.85%

[Epoch 207] Loss: 0.0379, Supervised: 0.5298, Unsupervised: 0.0388, Acc: 98.65%

[Epoch 208] Loss: 0.0697, Supervised: 0.9991, Unsupervised: 0.0469, Acc: 97.71%

[Epoch 209] Loss: 0.0778, Supervised: 1.1282, Unsupervised: 0.0381, Acc: 98.02%

[Epoch 210] Loss: 0.0434, Supervised: 0.6122, Unsupervised: 0.0382, Acc: 98.23%

[Epoch 211] Loss: 0.0475, Supervised: 0.6762, Unsupervised: 0.0365, Acc: 99.06%

[Epoch 212] Loss: 0.0318, Supervised: 0.4381, Unsupervised: 0.0395, Acc: 98.75%

[Epoch 213] Loss: 0.0334, Supervised: 0.4640, Unsupervised: 0.0364, Acc: 98.96%

[Epoch 214] Loss: 0.0641, Supervised: 0.9262, Unsupervised: 0.0351, Acc: 98.12%

[Epoch 215] Loss: 0.0306, Supervised: 0.4195, Unsupervised: 0.0390, Acc: 98.96%

[Epoch 216] Loss: 0.0458, Supervised: 0.6501, Unsupervised: 0.0375, Acc: 99.06%

[Epoch 217] Loss: 0.0414, Supervised: 0.5776, Unsupervised: 0.0438, Acc: 98.75%

[Epoch 218] Loss: 0.0204, Supervised: 0.2680, Unsupervised: 0.0380, Acc: 99.48%

[Epoch 219] Loss: 0.0292, Supervised: 0.4011, Unsupervised: 0.0372, Acc: 99.17%

[Epoch 220] Loss: 0.0309, Supervised: 0.4306, Unsupervised: 0.0335, Acc: 99.17%

[Epoch 221] Loss: 0.0199, Supervised: 0.2661, Unsupervised: 0.0323, Acc: 99.48%

[Epoch 222] Loss: 0.0160, Supervised: 0.2067, Unsupervised: 0.0340, Acc: 99.38%

[Epoch 223] Loss: 0.0262, Supervised: 0.3637, Unsupervised: 0.0297, Acc: 99.17%

[Epoch 224] Loss: 0.0380, Supervised: 0.5371, Unsupervised: 0.0328, Acc: 98.65%

[Epoch 225] Loss: 0.0243, Supervised: 0.3265, Unsupervised: 0.0384, Acc: 99.58%

[Epoch 226] Loss: 0.0690, Supervised: 1.0008, Unsupervised: 0.0348, Acc: 97.92%

[Epoch 227] Loss: 0.0585, Supervised: 0.8375, Unsupervised: 0.0400, Acc: 98.44%

[Epoch 228] Loss: 0.0502, Supervised: 0.7171, Unsupervised: 0.0364, Acc: 98.54%

[Epoch 229] Loss: 0.0517, Supervised: 0.7287, Unsupervised: 0.0463, Acc: 98.23%

[Epoch 230] Loss: 0.0609, Supervised: 0.8697, Unsupervised: 0.0444, Acc: 97.71%

[Epoch 231] Loss: 0.0639, Supervised: 0.9189, Unsupervised: 0.0398, Acc: 97.29%

[Epoch 232] Loss: 0.0350, Supervised: 0.4900, Unsupervised: 0.0357, Acc: 99.06%

[Epoch 233] Loss: 0.0562, Supervised: 0.8009, Unsupervised: 0.0414, Acc: 99.06%

[Epoch 234] Loss: 0.0151, Supervised: 0.1889, Unsupervised: 0.0368, Acc: 99.58%

[Epoch 235] Loss: 0.0163, Supervised: 0.2067, Unsupervised: 0.0377, Acc: 99.58%

[Epoch 236] Loss: 0.0223, Supervised: 0.2886, Unsupervised: 0.0457, Acc: 99.48%

[Epoch 237] Loss: 0.0152, Supervised: 0.1917, Unsupervised: 0.0365, Acc: 99.58%

[Epoch 238] Loss: 0.0082, Supervised: 0.0898, Unsupervised: 0.0329, Acc: 99.90%

[Epoch 239] Loss: 0.0113, Supervised: 0.1352, Unsupervised: 0.0341, Acc: 99.58%

[Epoch 240] Loss: 0.0129, Supervised: 0.1618, Unsupervised: 0.0324, Acc: 99.58%

[Epoch 241] Loss: 0.0072, Supervised: 0.0755, Unsupervised: 0.0331, Acc: 99.90%

[Epoch 242] Loss: 0.0170, Supervised: 0.2205, Unsupervised: 0.0348, Acc: 99.58%

[Epoch 243] Loss: 0.0111, Supervised: 0.1363, Unsupervised: 0.0297, Acc: 99.69%

[Epoch 244] Loss: 0.0111, Supervised: 0.1327, Unsupervised: 0.0343, Acc: 99.69%

[Epoch 245] Loss: 0.0320, Supervised: 0.4470, Unsupervised: 0.0326, Acc: 98.75%

[Epoch 246] Loss: 0.0574, Supervised: 0.8262, Unsupervised: 0.0353, Acc: 98.44%

[Epoch 247] Loss: 0.0443, Supervised: 0.6235, Unsupervised: 0.0408, Acc: 98.65%

[Epoch 248] Loss: 0.0750, Supervised: 1.0898, Unsupervised: 0.0353, Acc: 97.71%

[Epoch 249] Loss: 0.0563, Supervised: 0.8113, Unsupervised: 0.0336, Acc: 98.23%

[Epoch 250] Loss: 0.0344, Supervised: 0.4729, Unsupervised: 0.0424, Acc: 99.06%

[Epoch 251] Loss: 0.0361, Supervised: 0.5059, Unsupervised: 0.0349, Acc: 98.54%

[Epoch 252] Loss: 0.0430, Supervised: 0.6036, Unsupervised: 0.0408, Acc: 98.65%

[Epoch 253] Loss: 0.0514, Supervised: 0.7395, Unsupervised: 0.0318, Acc: 98.23%

[Epoch 254] Loss: 0.0547, Supervised: 0.7823, Unsupervised: 0.0382, Acc: 98.44%

[Epoch 255] Loss: 0.0401, Supervised: 0.5667, Unsupervised: 0.0350, Acc: 98.65%

[Epoch 256] Loss: 0.0297, Supervised: 0.4072, Unsupervised: 0.0385, Acc: 98.96%

[Epoch 257] Loss: 0.0314, Supervised: 0.4267, Unsupervised: 0.0437, Acc: 99.17%

[Epoch 258] Loss: 0.0328, Supervised: 0.4564, Unsupervised: 0.0351, Acc: 99.06%

[Epoch 259] Loss: 0.0217, Supervised: 0.2920, Unsupervised: 0.0340, Acc: 99.48%

[Epoch 260] Loss: 0.0280, Supervised: 0.3763, Unsupervised: 0.0441, Acc: 99.06%

[Epoch 261] Loss: 0.0218, Supervised: 0.2900, Unsupervised: 0.0368, Acc: 99.38%

[Epoch 262] Loss: 0.0236, Supervised: 0.3194, Unsupervised: 0.0343, Acc: 99.27%

[Epoch 263] Loss: 0.0287, Supervised: 0.3899, Unsupervised: 0.0413, Acc: 99.06%

[Epoch 264] Loss: 0.0220, Supervised: 0.2908, Unsupervised: 0.0386, Acc: 99.38%

[Epoch 265] Loss: 0.0290, Supervised: 0.3970, Unsupervised: 0.0375, Acc: 98.96%

[Epoch 266] Loss: 0.0337, Supervised: 0.4701, Unsupervised: 0.0356, Acc: 99.06%

[Epoch 267] Loss: 0.0304, Supervised: 0.4234, Unsupervised: 0.0331, Acc: 99.17%

[Epoch 268] Loss: 0.0547, Supervised: 0.7847, Unsupervised: 0.0356, Acc: 98.23%

[Epoch 269] Loss: 0.0524, Supervised: 0.7504, Unsupervised: 0.0355, Acc: 98.44%

[Epoch 270] Loss: 0.0625, Supervised: 0.8993, Unsupervised: 0.0384, Acc: 98.12%

[Epoch 271] Loss: 0.0347, Supervised: 0.4781, Unsupervised: 0.0418, Acc: 98.96%

[Epoch 272] Loss: 0.0346, Supervised: 0.4810, Unsupervised: 0.0375, Acc: 98.44%

[Epoch 273] Loss: 0.0561, Supervised: 0.8018, Unsupervised: 0.0393, Acc: 98.12%

[Epoch 274] Loss: 0.0754, Supervised: 1.0978, Unsupervised: 0.0336, Acc: 97.40%

[Epoch 275] Loss: 0.0337, Supervised: 0.4697, Unsupervised: 0.0355, Acc: 98.75%

[Epoch 276] Loss: 0.0438, Supervised: 0.6151, Unsupervised: 0.0412, Acc: 98.33%

[Epoch 277] Loss: 0.0463, Supervised: 0.6551, Unsupervised: 0.0401, Acc: 98.54%

[Epoch 278] Loss: 0.0401, Supervised: 0.5716, Unsupervised: 0.0299, Acc: 98.44%

[Epoch 279] Loss: 0.0398, Supervised: 0.5593, Unsupervised: 0.0377, Acc: 98.44%

[Epoch 280] Loss: 0.0321, Supervised: 0.4467, Unsupervised: 0.0354, Acc: 99.06%

[Epoch 281] Loss: 0.0220, Supervised: 0.2978, Unsupervised: 0.0319, Acc: 99.48%

[Epoch 282] Loss: 0.0244, Supervised: 0.3257, Unsupervised: 0.0408, Acc: 99.38%

[Epoch 283] Loss: 0.0475, Supervised: 0.6727, Unsupervised: 0.0392, Acc: 98.23%

[Epoch 284] Loss: 0.0412, Supervised: 0.5821, Unsupervised: 0.0358, Acc: 98.54%

[Epoch 285] Loss: 0.0255, Supervised: 0.3558, Unsupervised: 0.0264, Acc: 98.75%

[Epoch 286] Loss: 0.0506, Supervised: 0.7237, Unsupervised: 0.0356, Acc: 98.23%

[Epoch 287] Loss: 0.0337, Supervised: 0.4664, Unsupervised: 0.0384, Acc: 98.96%

[Epoch 288] Loss: 0.0284, Supervised: 0.3880, Unsupervised: 0.0386, Acc: 98.96%

[Epoch 289] Loss: 0.0280, Supervised: 0.3819, Unsupervised: 0.0384, Acc: 99.06%

[Epoch 290] Loss: 0.0169, Supervised: 0.2174, Unsupervised: 0.0364, Acc: 99.27%

[Epoch 291] Loss: 0.0253, Supervised: 0.3422, Unsupervised: 0.0377, Acc: 98.96%

[Epoch 292] Loss: 0.0201, Supervised: 0.2696, Unsupervised: 0.0324, Acc: 99.17%

[Epoch 293] Loss: 0.0180, Supervised: 0.2416, Unsupervised: 0.0289, Acc: 99.58%

[Epoch 294] Loss: 0.0214, Supervised: 0.2784, Unsupervised: 0.0423, Acc: 99.38%

[Epoch 295] Loss: 0.0204, Supervised: 0.2732, Unsupervised: 0.0334, Acc: 99.27%

[Epoch 296] Loss: 0.0293, Supervised: 0.3986, Unsupervised: 0.0403, Acc: 99.17%

[Epoch 297] Loss: 0.0219, Supervised: 0.2949, Unsupervised: 0.0336, Acc: 99.17%

[Epoch 298] Loss: 0.0143, Supervised: 0.1753, Unsupervised: 0.0399, Acc: 99.58%

[Epoch 299] Loss: 0.0125, Supervised: 0.1568, Unsupervised: 0.0314, Acc: 99.79%

[Epoch 300] Loss: 0.0086, Supervised: 0.0948, Unsupervised: 0.0340, Acc: 99.90%

[Epoch 301] Loss: 0.0188, Supervised: 0.2437, Unsupervised: 0.0380, Acc: 99.69%

[Epoch 302] Loss: 0.0294, Supervised: 0.4061, Unsupervised: 0.0346, Acc: 99.27%

[Epoch 303] Loss: 0.0255, Supervised: 0.3471, Unsupervised: 0.0356, Acc: 99.27%

[Epoch 304] Loss: 0.0220, Supervised: 0.2949, Unsupervised: 0.0349, Acc: 99.27%

[Epoch 305] Loss: 0.0268, Supervised: 0.3665, Unsupervised: 0.0348, Acc: 99.06%

[Epoch 306] Loss: 0.0203, Supervised: 0.2670, Unsupervised: 0.0370, Acc: 99.17%

[Epoch 307] Loss: 0.0324, Supervised: 0.4539, Unsupervised: 0.0326, Acc: 99.06%

[Epoch 308] Loss: 0.0313, Supervised: 0.4340, Unsupervised: 0.0361, Acc: 99.06%

[Epoch 309] Loss: 0.0366, Supervised: 0.5167, Unsupervised: 0.0326, Acc: 98.44%

[Epoch 310] Loss: 0.0307, Supervised: 0.4245, Unsupervised: 0.0357, Acc: 99.17%

[Epoch 311] Loss: 0.0277, Supervised: 0.3842, Unsupervised: 0.0316, Acc: 99.27%

[Epoch 312] Loss: 0.0410, Supervised: 0.5753, Unsupervised: 0.0390, Acc: 98.54%

[Epoch 313] Loss: 0.0474, Supervised: 0.6724, Unsupervised: 0.0392, Acc: 98.44%

[Epoch 314] Loss: 0.0440, Supervised: 0.6281, Unsupervised: 0.0318, Acc: 98.65%

[Epoch 315] Loss: 0.0729, Supervised: 1.0628, Unsupervised: 0.0301, Acc: 97.40%

[Epoch 316] Loss: 0.0610, Supervised: 0.8737, Unsupervised: 0.0416, Acc: 98.12%

[Epoch 317] Loss: 0.0347, Supervised: 0.4774, Unsupervised: 0.0438, Acc: 98.85%

[Epoch 318] Loss: 0.0287, Supervised: 0.3945, Unsupervised: 0.0361, Acc: 98.96%

[Epoch 319] Loss: 0.0317, Supervised: 0.4337, Unsupervised: 0.0416, Acc: 99.06%

[Epoch 320] Loss: 0.0282, Supervised: 0.3854, Unsupervised: 0.0380, Acc: 99.27%

[Epoch 321] Loss: 0.0465, Supervised: 0.6593, Unsupervised: 0.0377, Acc: 98.96%

[Epoch 322] Loss: 0.0492, Supervised: 0.6953, Unsupervised: 0.0422, Acc: 98.65%

[Epoch 323] Loss: 0.0467, Supervised: 0.6609, Unsupervised: 0.0403, Acc: 98.12%

[Epoch 324] Loss: 0.0496, Supervised: 0.7042, Unsupervised: 0.0398, Acc: 98.33%

[Epoch 325] Loss: 0.0470, Supervised: 0.6631, Unsupervised: 0.0420, Acc: 98.44%

[Epoch 326] Loss: 0.0406, Supervised: 0.5773, Unsupervised: 0.0310, Acc: 98.85%

[Epoch 327] Loss: 0.0588, Supervised: 0.8467, Unsupervised: 0.0353, Acc: 98.02%

[Epoch 328] Loss: 0.0594, Supervised: 0.8589, Unsupervised: 0.0328, Acc: 98.54%

[Epoch 329] Loss: 0.0281, Supervised: 0.3783, Unsupervised: 0.0426, Acc: 99.17%

[Epoch 330] Loss: 0.0316, Supervised: 0.4418, Unsupervised: 0.0326, Acc: 99.27%

[Epoch 331] Loss: 0.0150, Supervised: 0.1928, Unsupervised: 0.0327, Acc: 99.48%

[Epoch 332] Loss: 0.0377, Supervised: 0.5279, Unsupervised: 0.0370, Acc: 98.85%

[Epoch 333] Loss: 0.0678, Supervised: 0.9736, Unsupervised: 0.0441, Acc: 98.33%

[Epoch 334] Loss: 0.0656, Supervised: 0.9413, Unsupervised: 0.0424, Acc: 98.12%

[Epoch 335] Loss: 0.0372, Supervised: 0.5175, Unsupervised: 0.0402, Acc: 98.65%

[Epoch 336] Loss: 0.0263, Supervised: 0.3582, Unsupervised: 0.0363, Acc: 99.06%

[Epoch 337] Loss: 0.0240, Supervised: 0.3208, Unsupervised: 0.0391, Acc: 99.38%

[Epoch 338] Loss: 0.0243, Supervised: 0.3246, Unsupervised: 0.0394, Acc: 99.06%

[Epoch 339] Loss: 0.0180, Supervised: 0.2335, Unsupervised: 0.0359, Acc: 99.48%

[Epoch 340] Loss: 0.0146, Supervised: 0.1805, Unsupervised: 0.0388, Acc: 99.69%

[Epoch 341] Loss: 0.0106, Supervised: 0.1246, Unsupervised: 0.0346, Acc: 99.69%

[Epoch 342] Loss: 0.0260, Supervised: 0.3510, Unsupervised: 0.0389, Acc: 99.38%

[Epoch 343] Loss: 0.0114, Supervised: 0.1340, Unsupervised: 0.0376, Acc: 99.79%

[Epoch 344] Loss: 0.0089, Supervised: 0.0949, Unsupervised: 0.0385, Acc: 99.90%

[Epoch 345] Loss: 0.0069, Supervised: 0.0720, Unsupervised: 0.0317, Acc: 100.00%

[Epoch 346] Loss: 0.0049, Supervised: 0.0322, Unsupervised: 0.0411, Acc: 100.00%

[Epoch 347] Loss: 0.0045, Supervised: 0.0394, Unsupervised: 0.0277, Acc: 99.90%

[Epoch 348] Loss: 0.0049, Supervised: 0.0326, Unsupervised: 0.0407, Acc: 99.90%

[Epoch 349] Loss: 0.0065, Supervised: 0.0658, Unsupervised: 0.0315, Acc: 99.79%

[Epoch 350] Loss: 0.0077, Supervised: 0.0833, Unsupervised: 0.0320, Acc: 99.69%

[Epoch 351] Loss: 0.0097, Supervised: 0.1153, Unsupervised: 0.0305, Acc: 99.79%

[Epoch 352] Loss: 0.0113, Supervised: 0.1375, Unsupervised: 0.0315, Acc: 99.69%

[Epoch 353] Loss: 0.0128, Supervised: 0.1655, Unsupervised: 0.0267, Acc: 99.79%

[Epoch 354] Loss: 0.0071, Supervised: 0.0723, Unsupervised: 0.0341, Acc: 99.90%

[Epoch 355] Loss: 0.0138, Supervised: 0.1776, Unsupervised: 0.0296, Acc: 99.38%

[Epoch 356] Loss: 0.0289, Supervised: 0.4002, Unsupervised: 0.0330, Acc: 99.17%

[Epoch 357] Loss: 0.0316, Supervised: 0.4392, Unsupervised: 0.0345, Acc: 98.85%

[Epoch 358] Loss: 0.0537, Supervised: 0.7732, Unsupervised: 0.0330, Acc: 98.12%

[Epoch 359] Loss: 0.0594, Supervised: 0.8509, Unsupervised: 0.0400, Acc: 97.92%

[Epoch 360] Loss: 0.0398, Supervised: 0.5528, Unsupervised: 0.0445, Acc: 98.54%

[Epoch 361] Loss: 0.0487, Supervised: 0.6909, Unsupervised: 0.0394, Acc: 98.96%

[Epoch 362] Loss: 0.0370, Supervised: 0.5130, Unsupervised: 0.0413, Acc: 98.75%

[Epoch 363] Loss: 0.0419, Supervised: 0.5898, Unsupervised: 0.0393, Acc: 98.23%

[Epoch 364] Loss: 0.0527, Supervised: 0.7400, Unsupervised: 0.0509, Acc: 98.54%

[Epoch 365] Loss: 0.0367, Supervised: 0.5110, Unsupervised: 0.0397, Acc: 98.85%

[Epoch 366] Loss: 0.0368, Supervised: 0.5087, Unsupervised: 0.0437, Acc: 98.96%

[Epoch 367] Loss: 0.0398, Supervised: 0.5536, Unsupervised: 0.0441, Acc: 99.06%

[Epoch 368] Loss: 0.0197, Supervised: 0.2522, Unsupervised: 0.0432, Acc: 99.17%

[Epoch 369] Loss: 0.0146, Supervised: 0.1840, Unsupervised: 0.0352, Acc: 99.48%

[Epoch 370] Loss: 0.0240, Supervised: 0.3258, Unsupervised: 0.0347, Acc: 99.17%

[Epoch 371] Loss: 0.0184, Supervised: 0.2424, Unsupervised: 0.0337, Acc: 99.38%

[Epoch 372] Loss: 0.0146, Supervised: 0.1838, Unsupervised: 0.0354, Acc: 99.58%

[Epoch 373] Loss: 0.0222, Supervised: 0.2945, Unsupervised: 0.0382, Acc: 99.27%

[Epoch 374] Loss: 0.0165, Supervised: 0.2075, Unsupervised: 0.0397, Acc: 99.79%

[Epoch 375] Loss: 0.0406, Supervised: 0.5720, Unsupervised: 0.0367, Acc: 99.48%

[Epoch 376] Loss: 0.0260, Supervised: 0.3530, Unsupervised: 0.0373, Acc: 99.17%

[Epoch 377] Loss: 0.0317, Supervised: 0.4400, Unsupervised: 0.0353, Acc: 99.17%

[Epoch 378] Loss: 0.0240, Supervised: 0.3262, Unsupervised: 0.0335, Acc: 99.06%

[Epoch 379] Loss: 0.0215, Supervised: 0.2891, Unsupervised: 0.0332, Acc: 99.48%

[Epoch 380] Loss: 0.0169, Supervised: 0.2144, Unsupervised: 0.0385, Acc: 99.58%

[Epoch 381] Loss: 0.0403, Supervised: 0.5647, Unsupervised: 0.0391, Acc: 98.33%

[Epoch 382] Loss: 0.0342, Supervised: 0.4766, Unsupervised: 0.0366, Acc: 98.75%

[Epoch 383] Loss: 0.0340, Supervised: 0.4715, Unsupervised: 0.0389, Acc: 98.96%

[Epoch 384] Loss: 0.0414, Supervised: 0.5773, Unsupervised: 0.0433, Acc: 98.75%

[Epoch 385] Loss: 0.0414, Supervised: 0.5828, Unsupervised: 0.0376, Acc: 98.44%

[Epoch 386] Loss: 0.0310, Supervised: 0.4382, Unsupervised: 0.0266, Acc: 99.06%

[Epoch 387] Loss: 0.0321, Supervised: 0.4465, Unsupervised: 0.0351, Acc: 98.96%

[Epoch 388] Loss: 0.0323, Supervised: 0.4522, Unsupervised: 0.0327, Acc: 99.06%

[Epoch 389] Loss: 0.0148, Supervised: 0.1839, Unsupervised: 0.0380, Acc: 99.58%

[Epoch 390] Loss: 0.0247, Supervised: 0.3363, Unsupervised: 0.0342, Acc: 99.38%

[Epoch 391] Loss: 0.0127, Supervised: 0.1580, Unsupervised: 0.0324, Acc: 99.58%

[Epoch 392] Loss: 0.0122, Supervised: 0.1505, Unsupervised: 0.0329, Acc: 99.69%

[Epoch 393] Loss: 0.0180, Supervised: 0.2322, Unsupervised: 0.0372, Acc: 99.17%

[Epoch 394] Loss: 0.0148, Supervised: 0.1844, Unsupervised: 0.0382, Acc: 99.58%

[Epoch 395] Loss: 0.0285, Supervised: 0.3934, Unsupervised: 0.0348, Acc: 99.17%

[Epoch 396] Loss: 0.0122, Supervised: 0.1460, Unsupervised: 0.0365, Acc: 99.79%

[Epoch 397] Loss: 0.0404, Supervised: 0.5754, Unsupervised: 0.0307, Acc: 98.85%

[Epoch 398] Loss: 0.0445, Supervised: 0.6225, Unsupervised: 0.0455, Acc: 98.85%

[Epoch 399] Loss: 0.0260, Supervised: 0.3520, Unsupervised: 0.0376, Acc: 99.17%

[Epoch 400] Loss: 0.0191, Supervised: 0.2509, Unsupervised: 0.0357, Acc: 99.48%

[Epoch 401] Loss: 0.0102, Supervised: 0.1169, Unsupervised: 0.0356, Acc: 99.69%

[Epoch 402] Loss: 0.0056, Supervised: 0.0546, Unsupervised: 0.0299, Acc: 100.00%

[Epoch 403] Loss: 0.0085, Supervised: 0.0918, Unsupervised: 0.0353, Acc: 99.79%

[Epoch 404] Loss: 0.0125, Supervised: 0.1571, Unsupervised: 0.0311, Acc: 99.58%

[Epoch 405] Loss: 0.0097, Supervised: 0.1170, Unsupervised: 0.0280, Acc: 99.58%

[Epoch 406] Loss: 0.0056, Supervised: 0.0531, Unsupervised: 0.0313, Acc: 99.90%

[Epoch 407] Loss: 0.0124, Supervised: 0.1518, Unsupervised: 0.0346, Acc: 99.38%

[Epoch 408] Loss: 0.0070, Supervised: 0.0700, Unsupervised: 0.0348, Acc: 99.90%

[Epoch 409] Loss: 0.0054, Supervised: 0.0535, Unsupervised: 0.0283, Acc: 99.90%

[Epoch 410] Loss: 0.0046, Supervised: 0.0380, Unsupervised: 0.0311, Acc: 99.90%

[Epoch 411] Loss: 0.0046, Supervised: 0.0351, Unsupervised: 0.0334, Acc: 100.00%

[Epoch 412] Loss: 0.0061, Supervised: 0.0616, Unsupervised: 0.0294, Acc: 99.79%

[Epoch 413] Loss: 0.0041, Supervised: 0.0285, Unsupervised: 0.0322, Acc: 100.00%

[Epoch 414] Loss: 0.0033, Supervised: 0.0202, Unsupervised: 0.0293, Acc: 100.00%

[Epoch 415] Loss: 0.0092, Supervised: 0.1083, Unsupervised: 0.0299, Acc: 99.69%

[Epoch 416] Loss: 0.0438, Supervised: 0.6263, Unsupervised: 0.0303, Acc: 98.85%

[Epoch 417] Loss: 0.0504, Supervised: 0.7247, Unsupervised: 0.0307, Acc: 98.65%

[Epoch 418] Loss: 0.0382, Supervised: 0.5382, Unsupervised: 0.0353, Acc: 98.85%

[Epoch 419] Loss: 0.0440, Supervised: 0.6226, Unsupervised: 0.0371, Acc: 98.33%

[Epoch 420] Loss: 0.0292, Supervised: 0.3989, Unsupervised: 0.0396, Acc: 99.27%

[Epoch 421] Loss: 0.0215, Supervised: 0.2805, Unsupervised: 0.0427, Acc: 99.17%

[Epoch 422] Loss: 0.0134, Supervised: 0.1705, Unsupervised: 0.0307, Acc: 99.79%

[Epoch 423] Loss: 0.0184, Supervised: 0.2385, Unsupervised: 0.0375, Acc: 99.69%

[Epoch 424] Loss: 0.0258, Supervised: 0.3454, Unsupervised: 0.0409, Acc: 98.85%

[Epoch 425] Loss: 0.0159, Supervised: 0.2070, Unsupervised: 0.0315, Acc: 99.79%

[Epoch 426] Loss: 0.0157, Supervised: 0.1985, Unsupervised: 0.0363, Acc: 99.48%

[Epoch 427] Loss: 0.0191, Supervised: 0.2511, Unsupervised: 0.0358, Acc: 99.27%

[Epoch 428] Loss: 0.0233, Supervised: 0.3100, Unsupervised: 0.0401, Acc: 99.38%

[Epoch 429] Loss: 0.0361, Supervised: 0.5051, Unsupervised: 0.0365, Acc: 98.85%

[Epoch 430] Loss: 0.0612, Supervised: 0.8801, Unsupervised: 0.0376, Acc: 98.12%

[Epoch 431] Loss: 0.0710, Supervised: 1.0202, Unsupervised: 0.0449, Acc: 98.02%

[Epoch 432] Loss: 0.0589, Supervised: 0.8431, Unsupervised: 0.0408, Acc: 98.02%

[Epoch 433] Loss: 0.0499, Supervised: 0.7075, Unsupervised: 0.0405, Acc: 98.54%

[Epoch 434] Loss: 0.0294, Supervised: 0.3978, Unsupervised: 0.0429, Acc: 99.06%

[Epoch 435] Loss: 0.0152, Supervised: 0.1872, Unsupervised: 0.0409, Acc: 99.58%

[Epoch 436] Loss: 0.0174, Supervised: 0.2206, Unsupervised: 0.0397, Acc: 99.69%

[Epoch 437] Loss: 0.0183, Supervised: 0.2419, Unsupervised: 0.0321, Acc: 99.38%

[Epoch 438] Loss: 0.0244, Supervised: 0.3333, Unsupervised: 0.0335, Acc: 99.17%

[Epoch 439] Loss: 0.0255, Supervised: 0.3475, Unsupervised: 0.0348, Acc: 99.58%

[Epoch 440] Loss: 0.0200, Supervised: 0.2728, Unsupervised: 0.0270, Acc: 99.38%

[Epoch 441] Loss: 0.0107, Supervised: 0.1215, Unsupervised: 0.0386, Acc: 99.79%

[Epoch 442] Loss: 0.0168, Supervised: 0.2133, Unsupervised: 0.0381, Acc: 99.38%

[Epoch 443] Loss: 0.0198, Supervised: 0.2651, Unsupervised: 0.0319, Acc: 99.58%

[Epoch 444] Loss: 0.0139, Supervised: 0.1725, Unsupervised: 0.0354, Acc: 99.58%

[Epoch 445] Loss: 0.0189, Supervised: 0.2479, Unsupervised: 0.0360, Acc: 99.06%

[Epoch 446] Loss: 0.0202, Supervised: 0.2591, Unsupervised: 0.0434, Acc: 99.48%

[Epoch 447] Loss: 0.0236, Supervised: 0.3175, Unsupervised: 0.0366, Acc: 99.38%

[Epoch 448] Loss: 0.0121, Supervised: 0.1459, Unsupervised: 0.0361, Acc: 99.58%

[Epoch 449] Loss: 0.0126, Supervised: 0.1520, Unsupervised: 0.0369, Acc: 99.58%

[Epoch 450] Loss: 0.0075, Supervised: 0.0793, Unsupervised: 0.0335, Acc: 99.79%

[Epoch 451] Loss: 0.0206, Supervised: 0.2754, Unsupervised: 0.0334, Acc: 99.17%

[Epoch 452] Loss: 0.0167, Supervised: 0.2172, Unsupervised: 0.0335, Acc: 99.69%

[Epoch 453] Loss: 0.0259, Supervised: 0.3573, Unsupervised: 0.0309, Acc: 99.48%

[Epoch 454] Loss: 0.0228, Supervised: 0.3022, Unsupervised: 0.0396, Acc: 99.38%

[Epoch 455] Loss: 0.0164, Supervised: 0.2024, Unsupervised: 0.0430, Acc: 99.48%

[Epoch 456] Loss: 0.0126, Supervised: 0.1502, Unsupervised: 0.0386, Acc: 99.79%

[Epoch 457] Loss: 0.0298, Supervised: 0.4120, Unsupervised: 0.0353, Acc: 99.17%

[Epoch 458] Loss: 0.0208, Supervised: 0.2813, Unsupervised: 0.0312, Acc: 99.48%

[Epoch 459] Loss: 0.0338, Supervised: 0.4694, Unsupervised: 0.0371, Acc: 98.75%

[Epoch 460] Loss: 0.0625, Supervised: 0.8928, Unsupervised: 0.0444, Acc: 98.12%

[Epoch 461] Loss: 0.0370, Supervised: 0.5174, Unsupervised: 0.0375, Acc: 98.75%

[Epoch 462] Loss: 0.0435, Supervised: 0.6123, Unsupervised: 0.0405, Acc: 98.85%

[Epoch 463] Loss: 0.0275, Supervised: 0.3748, Unsupervised: 0.0380, Acc: 99.27%

[Epoch 464] Loss: 0.0338, Supervised: 0.4697, Unsupervised: 0.0367, Acc: 98.96%

[Epoch 465] Loss: 0.0195, Supervised: 0.2575, Unsupervised: 0.0357, Acc: 99.38%

[Epoch 466] Loss: 0.0266, Supervised: 0.3625, Unsupervised: 0.0371, Acc: 99.27%

[Epoch 467] Loss: 0.0287, Supervised: 0.3937, Unsupervised: 0.0369, Acc: 98.96%

[Epoch 468] Loss: 0.0653, Supervised: 0.9444, Unsupervised: 0.0352, Acc: 97.92%

[Epoch 469] Loss: 0.0360, Supervised: 0.4946, Unsupervised: 0.0454, Acc: 99.06%

[Epoch 470] Loss: 0.0242, Supervised: 0.3246, Unsupervised: 0.0390, Acc: 99.48%

[Epoch 471] Loss: 0.0188, Supervised: 0.2507, Unsupervised: 0.0315, Acc: 99.27%

[Epoch 472] Loss: 0.0124, Supervised: 0.1471, Unsupervised: 0.0393, Acc: 99.69%

[Epoch 473] Loss: 0.0111, Supervised: 0.1313, Unsupervised: 0.0355, Acc: 99.69%

[Epoch 474] Loss: 0.0139, Supervised: 0.1687, Unsupervised: 0.0393, Acc: 99.58%

[Epoch 475] Loss: 0.0106, Supervised: 0.1278, Unsupervised: 0.0315, Acc: 99.69%

[Epoch 476] Loss: 0.0138, Supervised: 0.1684, Unsupervised: 0.0381, Acc: 99.69%

[Epoch 477] Loss: 0.0147, Supervised: 0.1824, Unsupervised: 0.0385, Acc: 99.48%

[Epoch 478] Loss: 0.0173, Supervised: 0.2235, Unsupervised: 0.0360, Acc: 99.38%

[Epoch 479] Loss: 0.0306, Supervised: 0.4191, Unsupervised: 0.0405, Acc: 99.06%

[Epoch 480] Loss: 0.0427, Supervised: 0.6072, Unsupervised: 0.0332, Acc: 98.85%

[Epoch 481] Loss: 0.0442, Supervised: 0.6232, Unsupervised: 0.0401, Acc: 98.44%

[Epoch 482] Loss: 0.0383, Supervised: 0.5349, Unsupervised: 0.0403, Acc: 98.75%

[Epoch 483] Loss: 0.0201, Supervised: 0.2615, Unsupervised: 0.0398, Acc: 99.58%

[Epoch 484] Loss: 0.0293, Supervised: 0.3968, Unsupervised: 0.0420, Acc: 98.96%

[Epoch 485] Loss: 0.0434, Supervised: 0.6059, Unsupervised: 0.0447, Acc: 98.85%

[Epoch 486] Loss: 0.0434, Supervised: 0.6116, Unsupervised: 0.0391, Acc: 98.65%

[Epoch 487] Loss: 0.0346, Supervised: 0.4734, Unsupervised: 0.0461, Acc: 98.54%

[Epoch 488] Loss: 0.0345, Supervised: 0.4747, Unsupervised: 0.0430, Acc: 98.54%

[Epoch 489] Loss: 0.0319, Supervised: 0.4424, Unsupervised: 0.0362, Acc: 99.06%

[Epoch 490] Loss: 0.0301, Supervised: 0.4165, Unsupervised: 0.0343, Acc: 98.96%

[Epoch 491] Loss: 0.0267, Supervised: 0.3619, Unsupervised: 0.0381, Acc: 98.85%

[Epoch 492] Loss: 0.0252, Supervised: 0.3345, Unsupervised: 0.0440, Acc: 99.38%

[Epoch 493] Loss: 0.0254, Supervised: 0.3427, Unsupervised: 0.0376, Acc: 99.17%

[Epoch 494] Loss: 0.0436, Supervised: 0.6182, Unsupervised: 0.0362, Acc: 98.96%

[Epoch 495] Loss: 0.0246, Supervised: 0.3320, Unsupervised: 0.0367, Acc: 99.38%

[Epoch 496] Loss: 0.0328, Supervised: 0.4534, Unsupervised: 0.0390, Acc: 99.06%

[Epoch 497] Loss: 0.0330, Supervised: 0.4600, Unsupervised: 0.0344, Acc: 99.06%

[Epoch 498] Loss: 0.0274, Supervised: 0.3760, Unsupervised: 0.0356, Acc: 99.06%

[Epoch 499] Loss: 0.0090, Supervised: 0.0963, Unsupervised: 0.0387, Acc: 100.00%

[Seed 0] Test Accuracy: 85.34%

Running experiment: fashion\_mnist | l=1000 | p=0.3 | seed=1

Dataset fashion\_mnist: 1000 labeled instances, 59000 unlabeled instances

Average number of candidates per labeled instance: 3.00

[Epoch 0] Loss: 2.1519, Supervised: 32.2767, Unsupervised: 0.0019, Acc: 23.54%

[Epoch 1] Loss: 1.3614, Supervised: 20.4032, Unsupervised: 0.0183, Acc: 49.27%

[Epoch 2] Loss: 1.1338, Supervised: 16.9686, Unsupervised: 0.0380, Acc: 61.56%

[Epoch 3] Loss: 1.0686, Supervised: 16.0001, Unsupervised: 0.0293, Acc: 64.38%

[Epoch 4] Loss: 0.9193, Supervised: 13.7400, Unsupervised: 0.0499, Acc: 68.02%

[Epoch 5] Loss: 0.8874, Supervised: 13.2457, Unsupervised: 0.0652, Acc: 66.35%

[Epoch 6] Loss: 0.8719, Supervised: 13.0102, Unsupervised: 0.0683, Acc: 69.58%

[Epoch 7] Loss: 0.7236, Supervised: 10.7958, Unsupervised: 0.0576, Acc: 72.71%

[Epoch 8] Loss: 0.7743, Supervised: 11.5699, Unsupervised: 0.0450, Acc: 72.50%

[Epoch 9] Loss: 0.7421, Supervised: 11.0768, Unsupervised: 0.0548, Acc: 72.71%

[Epoch 10] Loss: 0.6669, Supervised: 9.9529, Unsupervised: 0.0506, Acc: 75.83%

[Epoch 11] Loss: 0.6195, Supervised: 9.2365, Unsupervised: 0.0562, Acc: 76.77%

[Epoch 12] Loss: 0.5845, Supervised: 8.7099, Unsupervised: 0.0575, Acc: 77.81%

[Epoch 13] Loss: 0.6265, Supervised: 9.3420, Unsupervised: 0.0555, Acc: 76.98%

[Epoch 14] Loss: 0.5296, Supervised: 7.8928, Unsupervised: 0.0513, Acc: 79.69%

[Epoch 15] Loss: 0.5428, Supervised: 8.0750, Unsupervised: 0.0669, Acc: 79.17%

[Epoch 16] Loss: 0.5620, Supervised: 8.3879, Unsupervised: 0.0423, Acc: 79.48%

[Epoch 17] Loss: 0.4868, Supervised: 7.2386, Unsupervised: 0.0629, Acc: 81.35%

[Epoch 18] Loss: 0.5225, Supervised: 7.7784, Unsupervised: 0.0584, Acc: 80.52%

[Epoch 19] Loss: 0.4850, Supervised: 7.2161, Unsupervised: 0.0594, Acc: 81.04%

[Epoch 20] Loss: 0.4684, Supervised: 6.9734, Unsupervised: 0.0526, Acc: 83.12%

[Epoch 21] Loss: 0.4302, Supervised: 6.3887, Unsupervised: 0.0641, Acc: 83.33%

[Epoch 22] Loss: 0.4533, Supervised: 6.7397, Unsupervised: 0.0599, Acc: 83.02%

[Epoch 23] Loss: 0.4810, Supervised: 7.1585, Unsupervised: 0.0560, Acc: 83.23%

[Epoch 24] Loss: 0.4686, Supervised: 6.9724, Unsupervised: 0.0563, Acc: 82.60%

[Epoch 25] Loss: 0.4220, Supervised: 6.2741, Unsupervised: 0.0559, Acc: 84.27%

[Epoch 26] Loss: 0.3943, Supervised: 5.8589, Unsupervised: 0.0554, Acc: 85.10%

[Epoch 27] Loss: 0.3657, Supervised: 5.4190, Unsupervised: 0.0665, Acc: 86.35%

[Epoch 28] Loss: 0.3825, Supervised: 5.6724, Unsupervised: 0.0652, Acc: 85.62%

[Epoch 29] Loss: 0.4267, Supervised: 6.3471, Unsupervised: 0.0531, Acc: 84.69%

[Epoch 30] Loss: 0.4175, Supervised: 6.1938, Unsupervised: 0.0680, Acc: 83.96%

[Epoch 31] Loss: 0.4288, Supervised: 6.3751, Unsupervised: 0.0566, Acc: 82.92%

[Epoch 32] Loss: 0.3604, Supervised: 5.3339, Unsupervised: 0.0716, Acc: 85.83%

[Epoch 33] Loss: 0.3470, Supervised: 5.1384, Unsupervised: 0.0668, Acc: 86.56%

[Epoch 34] Loss: 0.3413, Supervised: 5.0545, Unsupervised: 0.0643, Acc: 87.40%

[Epoch 35] Loss: 0.3291, Supervised: 4.8682, Unsupervised: 0.0679, Acc: 87.29%

[Epoch 36] Loss: 0.3452, Supervised: 5.1088, Unsupervised: 0.0699, Acc: 87.60%

[Epoch 37] Loss: 0.3424, Supervised: 5.0821, Unsupervised: 0.0538, Acc: 87.08%

[Epoch 38] Loss: 0.3053, Supervised: 4.5190, Unsupervised: 0.0611, Acc: 89.48%

[Epoch 39] Loss: 0.2939, Supervised: 4.3541, Unsupervised: 0.0541, Acc: 88.23%

[Epoch 40] Loss: 0.2928, Supervised: 4.3249, Unsupervised: 0.0673, Acc: 89.38%

[Epoch 41] Loss: 0.2594, Supervised: 3.8255, Unsupervised: 0.0651, Acc: 91.04%

[Epoch 42] Loss: 0.2641, Supervised: 3.8981, Unsupervised: 0.0639, Acc: 89.69%

[Epoch 43] Loss: 0.2602, Supervised: 3.8394, Unsupervised: 0.0640, Acc: 90.00%

[Epoch 44] Loss: 0.2541, Supervised: 3.7502, Unsupervised: 0.0609, Acc: 89.58%

[Epoch 45] Loss: 0.2619, Supervised: 3.8709, Unsupervised: 0.0579, Acc: 90.21%

[Epoch 46] Loss: 0.2847, Supervised: 4.2034, Unsupervised: 0.0668, Acc: 90.62%

[Epoch 47] Loss: 0.3135, Supervised: 4.6212, Unsupervised: 0.0810, Acc: 88.96%

[Epoch 48] Loss: 0.2527, Supervised: 3.7192, Unsupervised: 0.0716, Acc: 90.62%

[Epoch 49] Loss: 0.2234, Supervised: 3.2821, Unsupervised: 0.0692, Acc: 90.21%

[Epoch 50] Loss: 0.2308, Supervised: 3.4000, Unsupervised: 0.0616, Acc: 92.50%

[Epoch 51] Loss: 0.2303, Supervised: 3.3853, Unsupervised: 0.0684, Acc: 90.94%

[Epoch 52] Loss: 0.2288, Supervised: 3.3724, Unsupervised: 0.0599, Acc: 91.98%

[Epoch 53] Loss: 0.2499, Supervised: 3.6803, Unsupervised: 0.0681, Acc: 89.79%

[Epoch 54] Loss: 0.2260, Supervised: 3.3258, Unsupervised: 0.0649, Acc: 91.88%

[Epoch 55] Loss: 0.2641, Supervised: 3.8991, Unsupervised: 0.0622, Acc: 90.21%

[Epoch 56] Loss: 0.2410, Supervised: 3.5595, Unsupervised: 0.0552, Acc: 91.88%

[Epoch 57] Loss: 0.2019, Supervised: 2.9714, Unsupervised: 0.0576, Acc: 91.98%

[Epoch 58] Loss: 0.1936, Supervised: 2.8466, Unsupervised: 0.0581, Acc: 92.71%

[Epoch 59] Loss: 0.2073, Supervised: 3.0502, Unsupervised: 0.0592, Acc: 92.92%

[Epoch 60] Loss: 0.1767, Supervised: 2.5825, Unsupervised: 0.0675, Acc: 93.85%

[Epoch 61] Loss: 0.1955, Supervised: 2.8717, Unsupervised: 0.0601, Acc: 92.81%

[Epoch 62] Loss: 0.2096, Supervised: 3.0841, Unsupervised: 0.0592, Acc: 91.98%

[Epoch 63] Loss: 0.2352, Supervised: 3.4681, Unsupervised: 0.0602, Acc: 91.04%

[Epoch 64] Loss: 0.1801, Supervised: 2.6444, Unsupervised: 0.0573, Acc: 93.75%

[Epoch 65] Loss: 0.1755, Supervised: 2.5673, Unsupervised: 0.0647, Acc: 93.54%

[Epoch 66] Loss: 0.1403, Supervised: 2.0442, Unsupervised: 0.0600, Acc: 95.10%

[Epoch 67] Loss: 0.1300, Supervised: 1.8895, Unsupervised: 0.0606, Acc: 95.62%

[Epoch 68] Loss: 0.1427, Supervised: 2.0800, Unsupervised: 0.0607, Acc: 95.21%

[Epoch 69] Loss: 0.1614, Supervised: 2.3601, Unsupervised: 0.0606, Acc: 93.96%

[Epoch 70] Loss: 0.1479, Supervised: 2.1658, Unsupervised: 0.0533, Acc: 94.69%

[Epoch 71] Loss: 0.1566, Supervised: 2.2898, Unsupervised: 0.0594, Acc: 94.79%

[Epoch 72] Loss: 0.1512, Supervised: 2.2101, Unsupervised: 0.0575, Acc: 94.27%

[Epoch 73] Loss: 0.1597, Supervised: 2.3299, Unsupervised: 0.0650, Acc: 93.65%

[Epoch 74] Loss: 0.1986, Supervised: 2.9241, Unsupervised: 0.0551, Acc: 92.81%

[Epoch 75] Loss: 0.1641, Supervised: 2.4019, Unsupervised: 0.0598, Acc: 94.38%

[Epoch 76] Loss: 0.1549, Supervised: 2.2657, Unsupervised: 0.0580, Acc: 95.21%

[Epoch 77] Loss: 0.1444, Supervised: 2.1060, Unsupervised: 0.0594, Acc: 93.96%

[Epoch 78] Loss: 0.1333, Supervised: 1.9308, Unsupervised: 0.0686, Acc: 95.31%

[Epoch 79] Loss: 0.1027, Supervised: 1.4870, Unsupervised: 0.0541, Acc: 95.94%

[Epoch 80] Loss: 0.1434, Supervised: 2.1013, Unsupervised: 0.0495, Acc: 94.90%

[Epoch 81] Loss: 0.1722, Supervised: 2.5286, Unsupervised: 0.0543, Acc: 94.38%

[Epoch 82] Loss: 0.1675, Supervised: 2.4483, Unsupervised: 0.0636, Acc: 93.65%

[Epoch 83] Loss: 0.1413, Supervised: 2.0646, Unsupervised: 0.0549, Acc: 95.00%

[Epoch 84] Loss: 0.1093, Supervised: 1.5796, Unsupervised: 0.0597, Acc: 96.56%

[Epoch 85] Loss: 0.0925, Supervised: 1.3398, Unsupervised: 0.0481, Acc: 96.56%

[Epoch 86] Loss: 0.0862, Supervised: 1.2418, Unsupervised: 0.0506, Acc: 96.56%

[Epoch 87] Loss: 0.0937, Supervised: 1.3519, Unsupervised: 0.0535, Acc: 96.77%

[Epoch 88] Loss: 0.1164, Supervised: 1.6916, Unsupervised: 0.0548, Acc: 96.25%

[Epoch 89] Loss: 0.1094, Supervised: 1.5936, Unsupervised: 0.0474, Acc: 96.67%

[Epoch 90] Loss: 0.0907, Supervised: 1.3110, Unsupervised: 0.0499, Acc: 97.19%

[Epoch 91] Loss: 0.0678, Supervised: 0.9691, Unsupervised: 0.0474, Acc: 97.29%

[Epoch 92] Loss: 0.0676, Supervised: 0.9681, Unsupervised: 0.0461, Acc: 97.60%

[Epoch 93] Loss: 0.0770, Supervised: 1.1107, Unsupervised: 0.0435, Acc: 97.71%

[Epoch 94] Loss: 0.0977, Supervised: 1.4101, Unsupervised: 0.0551, Acc: 96.56%

[Epoch 95] Loss: 0.0981, Supervised: 1.4219, Unsupervised: 0.0496, Acc: 96.98%

[Epoch 96] Loss: 0.0883, Supervised: 1.2749, Unsupervised: 0.0492, Acc: 97.19%

[Epoch 97] Loss: 0.1682, Supervised: 2.4800, Unsupervised: 0.0431, Acc: 95.42%

[Epoch 98] Loss: 0.1593, Supervised: 2.3319, Unsupervised: 0.0570, Acc: 95.52%

[Epoch 99] Loss: 0.1596, Supervised: 2.3326, Unsupervised: 0.0615, Acc: 93.85%

[Epoch 100] Loss: 0.1076, Supervised: 1.5643, Unsupervised: 0.0497, Acc: 96.04%

[Epoch 101] Loss: 0.1403, Supervised: 2.0508, Unsupervised: 0.0540, Acc: 94.48%

[Epoch 102] Loss: 0.1504, Supervised: 2.2036, Unsupervised: 0.0524, Acc: 95.00%

[Epoch 103] Loss: 0.1062, Supervised: 1.5424, Unsupervised: 0.0510, Acc: 96.77%

[Epoch 104] Loss: 0.0770, Supervised: 1.0958, Unsupervised: 0.0587, Acc: 97.71%

[Epoch 105] Loss: 0.0896, Supervised: 1.2950, Unsupervised: 0.0494, Acc: 97.29%

[Epoch 106] Loss: 0.1087, Supervised: 1.5855, Unsupervised: 0.0451, Acc: 96.04%

[Epoch 107] Loss: 0.0757, Supervised: 1.0870, Unsupervised: 0.0488, Acc: 97.19%

[Epoch 108] Loss: 0.0831, Supervised: 1.2041, Unsupervised: 0.0429, Acc: 97.08%

[Epoch 109] Loss: 0.0763, Supervised: 1.0899, Unsupervised: 0.0552, Acc: 97.50%

[Epoch 110] Loss: 0.0733, Supervised: 1.0457, Unsupervised: 0.0534, Acc: 97.29%

[Epoch 111] Loss: 0.0610, Supervised: 0.8653, Unsupervised: 0.0491, Acc: 98.02%

[Epoch 112] Loss: 0.0747, Supervised: 1.0731, Unsupervised: 0.0470, Acc: 96.67%

[Epoch 113] Loss: 0.0663, Supervised: 0.9443, Unsupervised: 0.0496, Acc: 97.92%

[Epoch 114] Loss: 0.0602, Supervised: 0.8551, Unsupervised: 0.0473, Acc: 97.60%

[Epoch 115] Loss: 0.0474, Supervised: 0.6663, Unsupervised: 0.0452, Acc: 98.23%

[Epoch 116] Loss: 0.0360, Supervised: 0.4930, Unsupervised: 0.0473, Acc: 99.06%

[Epoch 117] Loss: 0.0388, Supervised: 0.5383, Unsupervised: 0.0433, Acc: 98.54%

[Epoch 118] Loss: 0.0229, Supervised: 0.2998, Unsupervised: 0.0442, Acc: 99.58%

[Epoch 119] Loss: 0.0368, Supervised: 0.5065, Unsupervised: 0.0451, Acc: 98.96%

[Epoch 120] Loss: 0.0580, Supervised: 0.8232, Unsupervised: 0.0470, Acc: 97.71%

[Epoch 121] Loss: 0.0689, Supervised: 0.9942, Unsupervised: 0.0396, Acc: 97.71%

[Epoch 122] Loss: 0.0755, Supervised: 1.0900, Unsupervised: 0.0425, Acc: 96.98%

[Epoch 123] Loss: 0.0751, Supervised: 1.0798, Unsupervised: 0.0464, Acc: 97.81%

[Epoch 124] Loss: 0.0639, Supervised: 0.9197, Unsupervised: 0.0387, Acc: 97.92%

[Epoch 125] Loss: 0.0964, Supervised: 1.4025, Unsupervised: 0.0436, Acc: 97.08%

[Epoch 126] Loss: 0.0799, Supervised: 1.1450, Unsupervised: 0.0537, Acc: 96.88%

[Epoch 127] Loss: 0.0818, Supervised: 1.1784, Unsupervised: 0.0482, Acc: 97.08%

[Epoch 128] Loss: 0.0666, Supervised: 0.9511, Unsupervised: 0.0475, Acc: 97.71%

[Epoch 129] Loss: 0.0797, Supervised: 1.1554, Unsupervised: 0.0398, Acc: 96.98%

[Epoch 130] Loss: 0.0720, Supervised: 1.0356, Unsupervised: 0.0443, Acc: 97.60%

[Epoch 131] Loss: 0.0769, Supervised: 1.1029, Unsupervised: 0.0500, Acc: 97.81%

[Epoch 132] Loss: 0.1040, Supervised: 1.5087, Unsupervised: 0.0510, Acc: 96.77%

[Epoch 133] Loss: 0.0778, Supervised: 1.1177, Unsupervised: 0.0491, Acc: 97.08%

[Epoch 134] Loss: 0.0599, Supervised: 0.8530, Unsupervised: 0.0456, Acc: 98.02%

[Epoch 135] Loss: 0.0514, Supervised: 0.7257, Unsupervised: 0.0452, Acc: 97.60%

[Epoch 136] Loss: 0.0696, Supervised: 0.9938, Unsupervised: 0.0503, Acc: 97.50%

[Epoch 137] Loss: 0.0529, Supervised: 0.7473, Unsupervised: 0.0466, Acc: 98.33%

[Epoch 138] Loss: 0.0477, Supervised: 0.6707, Unsupervised: 0.0442, Acc: 98.75%

[Epoch 139] Loss: 0.0394, Supervised: 0.5510, Unsupervised: 0.0398, Acc: 98.96%

[Epoch 140] Loss: 0.0402, Supervised: 0.5554, Unsupervised: 0.0470, Acc: 98.23%

[Epoch 141] Loss: 0.0274, Supervised: 0.3726, Unsupervised: 0.0380, Acc: 99.27%

[Epoch 142] Loss: 0.0530, Supervised: 0.7527, Unsupervised: 0.0425, Acc: 98.54%

[Epoch 143] Loss: 0.0386, Supervised: 0.5444, Unsupervised: 0.0352, Acc: 98.75%

[Epoch 144] Loss: 0.0294, Supervised: 0.4036, Unsupervised: 0.0377, Acc: 98.75%

[Epoch 145] Loss: 0.0260, Supervised: 0.3516, Unsupervised: 0.0381, Acc: 99.06%

[Epoch 146] Loss: 0.0530, Supervised: 0.7628, Unsupervised: 0.0316, Acc: 97.92%

[Epoch 147] Loss: 0.0801, Supervised: 1.1605, Unsupervised: 0.0415, Acc: 97.40%

[Epoch 148] Loss: 0.1279, Supervised: 1.8752, Unsupervised: 0.0426, Acc: 96.56%

[Epoch 149] Loss: 0.1689, Supervised: 2.4793, Unsupervised: 0.0546, Acc: 94.79%

[Epoch 150] Loss: 0.0949, Supervised: 1.3696, Unsupervised: 0.0539, Acc: 96.35%

[Epoch 151] Loss: 0.0746, Supervised: 1.0643, Unsupervised: 0.0550, Acc: 97.08%

[Epoch 152] Loss: 0.0681, Supervised: 0.9691, Unsupervised: 0.0525, Acc: 97.60%

[Epoch 153] Loss: 0.0906, Supervised: 1.3111, Unsupervised: 0.0473, Acc: 96.98%

[Epoch 154] Loss: 0.0720, Supervised: 1.0326, Unsupervised: 0.0474, Acc: 98.02%

[Epoch 155] Loss: 0.0523, Supervised: 0.7341, Unsupervised: 0.0498, Acc: 98.02%

[Epoch 156] Loss: 0.0324, Supervised: 0.4452, Unsupervised: 0.0408, Acc: 99.06%

[Epoch 157] Loss: 0.0357, Supervised: 0.4875, Unsupervised: 0.0479, Acc: 98.85%

[Epoch 158] Loss: 0.0348, Supervised: 0.4882, Unsupervised: 0.0333, Acc: 98.65%

[Epoch 159] Loss: 0.0310, Supervised: 0.4236, Unsupervised: 0.0408, Acc: 99.17%

[Epoch 160] Loss: 0.0312, Supervised: 0.4314, Unsupervised: 0.0371, Acc: 98.85%

[Epoch 161] Loss: 0.0398, Supervised: 0.5608, Unsupervised: 0.0368, Acc: 99.06%

[Epoch 162] Loss: 0.0262, Supervised: 0.3508, Unsupervised: 0.0416, Acc: 99.17%

[Epoch 163] Loss: 0.0205, Supervised: 0.2715, Unsupervised: 0.0354, Acc: 99.48%

[Epoch 164] Loss: 0.0299, Supervised: 0.4061, Unsupervised: 0.0428, Acc: 99.06%

[Epoch 165] Loss: 0.0186, Supervised: 0.2458, Unsupervised: 0.0326, Acc: 99.58%

[Epoch 166] Loss: 0.0186, Supervised: 0.2424, Unsupervised: 0.0366, Acc: 99.38%

[Epoch 167] Loss: 0.0216, Supervised: 0.2875, Unsupervised: 0.0370, Acc: 99.06%

[Epoch 168] Loss: 0.0390, Supervised: 0.5512, Unsupervised: 0.0333, Acc: 98.85%

[Epoch 169] Loss: 0.0492, Supervised: 0.7023, Unsupervised: 0.0359, Acc: 98.44%

[Epoch 170] Loss: 0.0319, Supervised: 0.4460, Unsupervised: 0.0321, Acc: 99.06%

[Epoch 171] Loss: 0.0263, Supervised: 0.3567, Unsupervised: 0.0372, Acc: 99.27%

[Epoch 172] Loss: 0.0335, Supervised: 0.4624, Unsupervised: 0.0401, Acc: 98.96%

[Epoch 173] Loss: 0.0502, Supervised: 0.7144, Unsupervised: 0.0392, Acc: 98.54%

[Epoch 174] Loss: 0.0556, Supervised: 0.7931, Unsupervised: 0.0407, Acc: 98.02%

[Epoch 175] Loss: 0.0553, Supervised: 0.7833, Unsupervised: 0.0455, Acc: 98.44%

[Epoch 176] Loss: 0.0799, Supervised: 1.1595, Unsupervised: 0.0398, Acc: 97.71%

[Epoch 177] Loss: 0.0781, Supervised: 1.1261, Unsupervised: 0.0458, Acc: 97.81%

[Epoch 178] Loss: 0.0647, Supervised: 0.9282, Unsupervised: 0.0421, Acc: 98.23%

[Epoch 179] Loss: 0.0522, Supervised: 0.7345, Unsupervised: 0.0483, Acc: 98.23%

[Epoch 180] Loss: 0.0497, Supervised: 0.7005, Unsupervised: 0.0452, Acc: 98.44%

[Epoch 181] Loss: 0.0392, Supervised: 0.5411, Unsupervised: 0.0470, Acc: 98.44%

[Epoch 182] Loss: 0.0510, Supervised: 0.7201, Unsupervised: 0.0452, Acc: 98.23%

[Epoch 183] Loss: 0.0482, Supervised: 0.6758, Unsupervised: 0.0465, Acc: 98.44%

[Epoch 184] Loss: 0.0320, Supervised: 0.4456, Unsupervised: 0.0344, Acc: 99.06%

[Epoch 185] Loss: 0.0359, Supervised: 0.5041, Unsupervised: 0.0344, Acc: 99.06%

[Epoch 186] Loss: 0.0208, Supervised: 0.2702, Unsupervised: 0.0422, Acc: 99.48%

[Epoch 187] Loss: 0.0163, Supervised: 0.2041, Unsupervised: 0.0398, Acc: 99.38%

[Epoch 188] Loss: 0.0504, Supervised: 0.7207, Unsupervised: 0.0357, Acc: 98.44%

[Epoch 189] Loss: 0.0348, Supervised: 0.4857, Unsupervised: 0.0356, Acc: 99.38%

[Epoch 190] Loss: 0.0357, Supervised: 0.5033, Unsupervised: 0.0316, Acc: 98.65%

[Epoch 191] Loss: 0.0239, Supervised: 0.3185, Unsupervised: 0.0401, Acc: 99.38%

[Epoch 192] Loss: 0.0286, Supervised: 0.3900, Unsupervised: 0.0398, Acc: 98.96%

[Epoch 193] Loss: 0.0433, Supervised: 0.6118, Unsupervised: 0.0381, Acc: 98.65%

[Epoch 194] Loss: 0.0474, Supervised: 0.6700, Unsupervised: 0.0413, Acc: 98.75%

[Epoch 195] Loss: 0.0533, Supervised: 0.7593, Unsupervised: 0.0401, Acc: 98.23%

[Epoch 196] Loss: 0.0515, Supervised: 0.7314, Unsupervised: 0.0411, Acc: 98.65%

[Epoch 197] Loss: 0.0483, Supervised: 0.6780, Unsupervised: 0.0461, Acc: 98.02%

[Epoch 198] Loss: 0.0354, Supervised: 0.4900, Unsupervised: 0.0408, Acc: 99.17%

[Epoch 199] Loss: 0.0426, Supervised: 0.5999, Unsupervised: 0.0390, Acc: 98.65%

[Epoch 200] Loss: 0.0365, Supervised: 0.5093, Unsupervised: 0.0376, Acc: 98.75%

[Epoch 201] Loss: 0.0493, Supervised: 0.6964, Unsupervised: 0.0428, Acc: 98.12%

[Epoch 202] Loss: 0.0468, Supervised: 0.6561, Unsupervised: 0.0460, Acc: 98.44%

[Epoch 203] Loss: 0.0484, Supervised: 0.6901, Unsupervised: 0.0360, Acc: 98.65%

[Epoch 204] Loss: 0.0470, Supervised: 0.6583, Unsupervised: 0.0473, Acc: 98.33%

[Epoch 205] Loss: 0.0461, Supervised: 0.6616, Unsupervised: 0.0300, Acc: 98.85%

[Epoch 206] Loss: 0.0269, Supervised: 0.3746, Unsupervised: 0.0291, Acc: 99.27%

[Epoch 207] Loss: 0.0318, Supervised: 0.4401, Unsupervised: 0.0363, Acc: 98.75%

[Epoch 208] Loss: 0.0455, Supervised: 0.6425, Unsupervised: 0.0393, Acc: 98.12%

[Epoch 209] Loss: 0.0545, Supervised: 0.7775, Unsupervised: 0.0394, Acc: 98.33%

[Epoch 210] Loss: 0.0868, Supervised: 1.2607, Unsupervised: 0.0414, Acc: 97.71%

[Epoch 211] Loss: 0.0659, Supervised: 0.9532, Unsupervised: 0.0360, Acc: 98.12%

[Epoch 212] Loss: 0.0457, Supervised: 0.6458, Unsupervised: 0.0390, Acc: 98.65%

[Epoch 213] Loss: 0.0200, Supervised: 0.2643, Unsupervised: 0.0351, Acc: 99.27%

[Epoch 214] Loss: 0.0219, Supervised: 0.2902, Unsupervised: 0.0379, Acc: 99.48%

[Epoch 215] Loss: 0.0247, Supervised: 0.3385, Unsupervised: 0.0327, Acc: 99.27%

[Epoch 216] Loss: 0.0234, Supervised: 0.3105, Unsupervised: 0.0404, Acc: 99.38%

[Epoch 217] Loss: 0.0217, Supervised: 0.2911, Unsupervised: 0.0347, Acc: 99.38%

[Epoch 218] Loss: 0.0357, Supervised: 0.5041, Unsupervised: 0.0316, Acc: 99.17%

[Epoch 219] Loss: 0.0244, Supervised: 0.3280, Unsupervised: 0.0374, Acc: 99.27%

[Epoch 220] Loss: 0.0128, Supervised: 0.1532, Unsupervised: 0.0393, Acc: 99.69%

[Epoch 221] Loss: 0.0131, Supervised: 0.1528, Unsupervised: 0.0440, Acc: 99.69%

[Epoch 222] Loss: 0.0140, Supervised: 0.1765, Unsupervised: 0.0333, Acc: 99.38%

[Epoch 223] Loss: 0.0248, Supervised: 0.3416, Unsupervised: 0.0305, Acc: 99.38%

[Epoch 224] Loss: 0.0162, Supervised: 0.2094, Unsupervised: 0.0340, Acc: 99.69%

[Epoch 225] Loss: 0.0086, Supervised: 0.0969, Unsupervised: 0.0322, Acc: 99.90%

[Epoch 226] Loss: 0.0064, Supervised: 0.0569, Unsupervised: 0.0395, Acc: 99.90%

[Epoch 227] Loss: 0.0097, Supervised: 0.1179, Unsupervised: 0.0269, Acc: 99.79%

[Epoch 228] Loss: 0.0068, Supervised: 0.0659, Unsupervised: 0.0367, Acc: 99.90%

[Epoch 229] Loss: 0.0091, Supervised: 0.1011, Unsupervised: 0.0347, Acc: 99.79%

[Epoch 230] Loss: 0.0092, Supervised: 0.1051, Unsupervised: 0.0332, Acc: 99.90%

[Epoch 231] Loss: 0.0069, Supervised: 0.0699, Unsupervised: 0.0330, Acc: 99.90%

[Epoch 232] Loss: 0.0090, Supervised: 0.1000, Unsupervised: 0.0357, Acc: 99.79%

[Epoch 233] Loss: 0.0046, Supervised: 0.0381, Unsupervised: 0.0306, Acc: 99.90%

[Epoch 234] Loss: 0.0058, Supervised: 0.0532, Unsupervised: 0.0339, Acc: 99.90%

[Epoch 235] Loss: 0.0071, Supervised: 0.0714, Unsupervised: 0.0352, Acc: 99.90%

[Epoch 236] Loss: 0.0110, Supervised: 0.1253, Unsupervised: 0.0405, Acc: 99.58%

[Epoch 237] Loss: 0.0163, Supervised: 0.2128, Unsupervised: 0.0320, Acc: 99.48%

[Epoch 238] Loss: 0.0225, Supervised: 0.3010, Unsupervised: 0.0361, Acc: 99.17%

[Epoch 239] Loss: 0.0286, Supervised: 0.3956, Unsupervised: 0.0340, Acc: 99.38%

[Epoch 240] Loss: 0.0291, Supervised: 0.3987, Unsupervised: 0.0379, Acc: 99.06%

[Epoch 241] Loss: 0.0577, Supervised: 0.8342, Unsupervised: 0.0318, Acc: 98.54%

[Epoch 242] Loss: 0.0482, Supervised: 0.6892, Unsupervised: 0.0339, Acc: 99.06%

[Epoch 243] Loss: 0.0372, Supervised: 0.5258, Unsupervised: 0.0327, Acc: 98.85%

[Epoch 244] Loss: 0.0438, Supervised: 0.6186, Unsupervised: 0.0378, Acc: 98.65%

[Epoch 245] Loss: 0.0445, Supervised: 0.6261, Unsupervised: 0.0412, Acc: 98.96%

[Epoch 246] Loss: 0.0654, Supervised: 0.9458, Unsupervised: 0.0346, Acc: 98.12%

[Epoch 247] Loss: 0.0496, Supervised: 0.7046, Unsupervised: 0.0393, Acc: 98.33%

[Epoch 248] Loss: 0.0296, Supervised: 0.3994, Unsupervised: 0.0441, Acc: 99.27%

[Epoch 249] Loss: 0.0437, Supervised: 0.6185, Unsupervised: 0.0368, Acc: 98.65%

[Epoch 250] Loss: 0.0513, Supervised: 0.7309, Unsupervised: 0.0388, Acc: 99.06%

[Epoch 251] Loss: 0.0401, Supervised: 0.5517, Unsupervised: 0.0497, Acc: 98.96%

[Epoch 252] Loss: 0.0469, Supervised: 0.6623, Unsupervised: 0.0406, Acc: 98.33%

[Epoch 253] Loss: 0.0362, Supervised: 0.5052, Unsupervised: 0.0377, Acc: 99.06%

[Epoch 254] Loss: 0.0589, Supervised: 0.8534, Unsupervised: 0.0308, Acc: 98.33%

[Epoch 255] Loss: 0.0465, Supervised: 0.6548, Unsupervised: 0.0432, Acc: 98.23%

[Epoch 256] Loss: 0.0247, Supervised: 0.3380, Unsupervised: 0.0323, Acc: 99.38%

[Epoch 257] Loss: 0.0246, Supervised: 0.3331, Unsupervised: 0.0355, Acc: 99.17%

[Epoch 258] Loss: 0.0215, Supervised: 0.2828, Unsupervised: 0.0391, Acc: 99.27%

[Epoch 259] Loss: 0.0198, Supervised: 0.2654, Unsupervised: 0.0322, Acc: 99.27%

[Epoch 260] Loss: 0.0132, Supervised: 0.1638, Unsupervised: 0.0346, Acc: 99.79%

[Epoch 261] Loss: 0.0142, Supervised: 0.1718, Unsupervised: 0.0412, Acc: 99.69%

[Epoch 262] Loss: 0.0137, Supervised: 0.1670, Unsupervised: 0.0387, Acc: 99.58%

[Epoch 263] Loss: 0.0145, Supervised: 0.1824, Unsupervised: 0.0355, Acc: 99.58%

[Epoch 264] Loss: 0.0140, Supervised: 0.1721, Unsupervised: 0.0376, Acc: 99.79%

[Epoch 265] Loss: 0.0123, Supervised: 0.1504, Unsupervised: 0.0345, Acc: 99.90%

[Epoch 266] Loss: 0.0093, Supervised: 0.1020, Unsupervised: 0.0377, Acc: 99.90%

[Epoch 267] Loss: 0.0083, Supervised: 0.0925, Unsupervised: 0.0316, Acc: 99.90%

[Epoch 268] Loss: 0.0077, Supervised: 0.0834, Unsupervised: 0.0318, Acc: 99.90%

[Epoch 269] Loss: 0.0108, Supervised: 0.1316, Unsupervised: 0.0297, Acc: 99.58%

[Epoch 270] Loss: 0.0051, Supervised: 0.0496, Unsupervised: 0.0272, Acc: 100.00%

[Epoch 271] Loss: 0.0238, Supervised: 0.3277, Unsupervised: 0.0295, Acc: 99.06%

[Epoch 272] Loss: 0.0241, Supervised: 0.3325, Unsupervised: 0.0295, Acc: 99.27%

[Epoch 273] Loss: 0.0298, Supervised: 0.4121, Unsupervised: 0.0342, Acc: 98.75%

[Epoch 274] Loss: 0.0590, Supervised: 0.8498, Unsupervised: 0.0351, Acc: 98.12%

[Epoch 275] Loss: 0.0558, Supervised: 0.7985, Unsupervised: 0.0388, Acc: 98.02%

[Epoch 276] Loss: 0.0458, Supervised: 0.6479, Unsupervised: 0.0385, Acc: 98.33%

[Epoch 277] Loss: 0.0515, Supervised: 0.7330, Unsupervised: 0.0388, Acc: 98.44%

[Epoch 278] Loss: 0.0557, Supervised: 0.7930, Unsupervised: 0.0422, Acc: 98.33%

[Epoch 279] Loss: 0.0318, Supervised: 0.4378, Unsupervised: 0.0398, Acc: 99.06%

[Epoch 280] Loss: 0.0354, Supervised: 0.4914, Unsupervised: 0.0396, Acc: 99.17%

[Epoch 281] Loss: 0.0280, Supervised: 0.3833, Unsupervised: 0.0374, Acc: 98.85%

[Epoch 282] Loss: 0.0252, Supervised: 0.3383, Unsupervised: 0.0397, Acc: 99.38%

[Epoch 283] Loss: 0.0139, Supervised: 0.1732, Unsupervised: 0.0357, Acc: 99.69%

[Epoch 284] Loss: 0.0186, Supervised: 0.2402, Unsupervised: 0.0385, Acc: 99.27%

[Epoch 285] Loss: 0.0189, Supervised: 0.2488, Unsupervised: 0.0354, Acc: 99.17%

[Epoch 286] Loss: 0.0197, Supervised: 0.2576, Unsupervised: 0.0381, Acc: 99.48%

[Epoch 287] Loss: 0.0138, Supervised: 0.1747, Unsupervised: 0.0330, Acc: 99.69%

[Epoch 288] Loss: 0.0259, Supervised: 0.3526, Unsupervised: 0.0353, Acc: 99.38%

[Epoch 289] Loss: 0.0235, Supervised: 0.3196, Unsupervised: 0.0333, Acc: 99.38%

[Epoch 290] Loss: 0.0199, Supervised: 0.2605, Unsupervised: 0.0380, Acc: 99.27%

[Epoch 291] Loss: 0.0183, Supervised: 0.2393, Unsupervised: 0.0351, Acc: 99.38%

[Epoch 292] Loss: 0.0072, Supervised: 0.0699, Unsupervised: 0.0375, Acc: 99.90%

[Epoch 293] Loss: 0.0061, Supervised: 0.0617, Unsupervised: 0.0302, Acc: 100.00%

[Epoch 294] Loss: 0.0109, Supervised: 0.1350, Unsupervised: 0.0283, Acc: 99.79%

[Epoch 295] Loss: 0.0119, Supervised: 0.1405, Unsupervised: 0.0376, Acc: 99.79%

[Epoch 296] Loss: 0.0064, Supervised: 0.0650, Unsupervised: 0.0311, Acc: 99.90%

[Epoch 297] Loss: 0.0083, Supervised: 0.0933, Unsupervised: 0.0319, Acc: 99.69%

[Epoch 298] Loss: 0.0240, Supervised: 0.3280, Unsupervised: 0.0320, Acc: 99.27%

[Epoch 299] Loss: 0.0570, Supervised: 0.8196, Unsupervised: 0.0361, Acc: 98.54%

[Epoch 300] Loss: 0.0322, Supervised: 0.4448, Unsupervised: 0.0382, Acc: 99.06%

[Epoch 301] Loss: 0.0301, Supervised: 0.4066, Unsupervised: 0.0442, Acc: 98.75%

[Epoch 302] Loss: 0.0450, Supervised: 0.6378, Unsupervised: 0.0379, Acc: 98.65%

[Epoch 303] Loss: 0.0422, Supervised: 0.5918, Unsupervised: 0.0411, Acc: 98.54%

[Epoch 304] Loss: 0.0459, Supervised: 0.6549, Unsupervised: 0.0342, Acc: 98.54%

[Epoch 305] Loss: 0.0405, Supervised: 0.5631, Unsupervised: 0.0444, Acc: 98.23%

[Epoch 306] Loss: 0.0422, Supervised: 0.5870, Unsupervised: 0.0457, Acc: 98.44%

[Epoch 307] Loss: 0.0325, Supervised: 0.4434, Unsupervised: 0.0434, Acc: 99.06%

[Epoch 308] Loss: 0.0242, Supervised: 0.3224, Unsupervised: 0.0407, Acc: 99.48%

[Epoch 309] Loss: 0.0313, Supervised: 0.4356, Unsupervised: 0.0341, Acc: 99.38%

[Epoch 310] Loss: 0.0088, Supervised: 0.0881, Unsupervised: 0.0444, Acc: 99.90%

[Epoch 311] Loss: 0.0110, Supervised: 0.1322, Unsupervised: 0.0328, Acc: 99.90%

[Epoch 312] Loss: 0.0078, Supervised: 0.0812, Unsupervised: 0.0356, Acc: 99.79%

[Epoch 313] Loss: 0.0089, Supervised: 0.0966, Unsupervised: 0.0374, Acc: 99.79%

[Epoch 314] Loss: 0.0060, Supervised: 0.0579, Unsupervised: 0.0320, Acc: 99.90%

[Epoch 315] Loss: 0.0069, Supervised: 0.0726, Unsupervised: 0.0313, Acc: 99.90%

[Epoch 316] Loss: 0.0049, Supervised: 0.0433, Unsupervised: 0.0295, Acc: 100.00%

[Epoch 317] Loss: 0.0050, Supervised: 0.0459, Unsupervised: 0.0289, Acc: 99.90%

[Epoch 318] Loss: 0.0041, Supervised: 0.0286, Unsupervised: 0.0336, Acc: 100.00%

[Epoch 319] Loss: 0.0030, Supervised: 0.0182, Unsupervised: 0.0273, Acc: 100.00%

[Epoch 320] Loss: 0.0033, Supervised: 0.0127, Unsupervised: 0.0368, Acc: 100.00%

[Epoch 321] Loss: 0.0033, Supervised: 0.0126, Unsupervised: 0.0374, Acc: 100.00%

[Epoch 322] Loss: 0.0032, Supervised: 0.0147, Unsupervised: 0.0339, Acc: 100.00%

[Epoch 323] Loss: 0.0060, Supervised: 0.0578, Unsupervised: 0.0322, Acc: 99.79%

[Epoch 324] Loss: 0.0122, Supervised: 0.1478, Unsupervised: 0.0347, Acc: 99.79%

[Epoch 325] Loss: 0.0076, Supervised: 0.0800, Unsupervised: 0.0340, Acc: 99.79%

[Epoch 326] Loss: 0.0049, Supervised: 0.0382, Unsupervised: 0.0356, Acc: 100.00%

[Epoch 327] Loss: 0.0242, Supervised: 0.3308, Unsupervised: 0.0329, Acc: 99.58%

[Epoch 328] Loss: 0.0105, Supervised: 0.1228, Unsupervised: 0.0346, Acc: 99.58%

[Epoch 329] Loss: 0.0104, Supervised: 0.1241, Unsupervised: 0.0315, Acc: 99.69%

[Epoch 330] Loss: 0.0126, Supervised: 0.1562, Unsupervised: 0.0331, Acc: 99.69%

[Epoch 331] Loss: 0.0165, Supervised: 0.2173, Unsupervised: 0.0309, Acc: 99.06%

[Epoch 332] Loss: 0.0242, Supervised: 0.3229, Unsupervised: 0.0400, Acc: 99.17%

[Epoch 333] Loss: 0.0150, Supervised: 0.1929, Unsupervised: 0.0321, Acc: 99.38%

[Epoch 334] Loss: 0.0177, Supervised: 0.2279, Unsupervised: 0.0369, Acc: 99.58%

[Epoch 335] Loss: 0.0453, Supervised: 0.6439, Unsupervised: 0.0350, Acc: 98.65%

[Epoch 336] Loss: 0.0812, Supervised: 1.1785, Unsupervised: 0.0390, Acc: 98.02%

[Epoch 337] Loss: 0.0740, Supervised: 1.0696, Unsupervised: 0.0408, Acc: 98.02%

[Epoch 338] Loss: 0.0821, Supervised: 1.1886, Unsupervised: 0.0430, Acc: 96.88%

[Epoch 339] Loss: 0.0802, Supervised: 1.1536, Unsupervised: 0.0491, Acc: 97.40%

[Epoch 340] Loss: 0.0831, Supervised: 1.2020, Unsupervised: 0.0444, Acc: 97.81%

[Epoch 341] Loss: 0.0528, Supervised: 0.7491, Unsupervised: 0.0432, Acc: 98.23%

[Epoch 342] Loss: 0.0465, Supervised: 0.6489, Unsupervised: 0.0489, Acc: 98.65%

[Epoch 343] Loss: 0.0419, Supervised: 0.5801, Unsupervised: 0.0483, Acc: 98.96%

[Epoch 344] Loss: 0.0392, Supervised: 0.5524, Unsupervised: 0.0349, Acc: 98.96%

[Epoch 345] Loss: 0.0318, Supervised: 0.4399, Unsupervised: 0.0370, Acc: 99.06%

[Epoch 346] Loss: 0.0294, Supervised: 0.4000, Unsupervised: 0.0409, Acc: 99.17%

[Epoch 347] Loss: 0.0475, Supervised: 0.6744, Unsupervised: 0.0387, Acc: 98.96%

[Epoch 348] Loss: 0.0238, Supervised: 0.3169, Unsupervised: 0.0397, Acc: 99.38%

[Epoch 349] Loss: 0.0210, Supervised: 0.2742, Unsupervised: 0.0412, Acc: 99.17%

[Epoch 350] Loss: 0.0202, Supervised: 0.2601, Unsupervised: 0.0422, Acc: 99.48%

[Epoch 351] Loss: 0.0128, Supervised: 0.1573, Unsupervised: 0.0347, Acc: 99.79%

[Epoch 352] Loss: 0.0195, Supervised: 0.2544, Unsupervised: 0.0380, Acc: 99.48%

[Epoch 353] Loss: 0.0136, Supervised: 0.1733, Unsupervised: 0.0300, Acc: 99.79%

[Epoch 354] Loss: 0.0124, Supervised: 0.1476, Unsupervised: 0.0390, Acc: 99.69%

[Epoch 355] Loss: 0.0346, Supervised: 0.4818, Unsupervised: 0.0365, Acc: 99.17%

[Epoch 356] Loss: 0.0153, Supervised: 0.1940, Unsupervised: 0.0360, Acc: 99.79%

[Epoch 357] Loss: 0.0188, Supervised: 0.2457, Unsupervised: 0.0366, Acc: 99.27%

[Epoch 358] Loss: 0.0189, Supervised: 0.2500, Unsupervised: 0.0336, Acc: 99.58%

[Epoch 359] Loss: 0.0093, Supervised: 0.1009, Unsupervised: 0.0380, Acc: 99.90%

[Epoch 360] Loss: 0.0097, Supervised: 0.1090, Unsupervised: 0.0365, Acc: 99.79%

[Epoch 361] Loss: 0.0171, Supervised: 0.2224, Unsupervised: 0.0343, Acc: 99.38%

[Epoch 362] Loss: 0.0346, Supervised: 0.4838, Unsupervised: 0.0355, Acc: 98.75%

[Epoch 363] Loss: 0.0334, Supervised: 0.4600, Unsupervised: 0.0407, Acc: 98.54%

[Epoch 364] Loss: 0.0378, Supervised: 0.5246, Unsupervised: 0.0422, Acc: 98.44%

[Epoch 365] Loss: 0.0659, Supervised: 0.9459, Unsupervised: 0.0424, Acc: 97.81%

[Epoch 366] Loss: 0.0552, Supervised: 0.7824, Unsupervised: 0.0454, Acc: 98.12%

[Epoch 367] Loss: 0.0340, Supervised: 0.4657, Unsupervised: 0.0440, Acc: 99.17%

[Epoch 368] Loss: 0.0338, Supervised: 0.4620, Unsupervised: 0.0456, Acc: 98.96%

[Epoch 369] Loss: 0.0275, Supervised: 0.3729, Unsupervised: 0.0401, Acc: 99.27%

[Epoch 370] Loss: 0.0280, Supervised: 0.3878, Unsupervised: 0.0322, Acc: 99.17%

[Epoch 371] Loss: 0.0494, Supervised: 0.6948, Unsupervised: 0.0460, Acc: 98.44%

[Epoch 372] Loss: 0.0405, Supervised: 0.5623, Unsupervised: 0.0456, Acc: 99.06%

[Epoch 373] Loss: 0.0210, Supervised: 0.2751, Unsupervised: 0.0402, Acc: 99.17%

[Epoch 374] Loss: 0.0119, Supervised: 0.1413, Unsupervised: 0.0375, Acc: 99.90%

[Epoch 375] Loss: 0.0124, Supervised: 0.1447, Unsupervised: 0.0417, Acc: 99.69%

[Epoch 376] Loss: 0.0124, Supervised: 0.1517, Unsupervised: 0.0337, Acc: 99.58%

[Epoch 377] Loss: 0.0204, Supervised: 0.2638, Unsupervised: 0.0419, Acc: 99.48%

[Epoch 378] Loss: 0.0191, Supervised: 0.2540, Unsupervised: 0.0321, Acc: 99.58%

[Epoch 379] Loss: 0.0137, Supervised: 0.1710, Unsupervised: 0.0346, Acc: 99.69%

[Epoch 380] Loss: 0.0179, Supervised: 0.2362, Unsupervised: 0.0321, Acc: 99.48%

[Epoch 381] Loss: 0.0124, Supervised: 0.1532, Unsupervised: 0.0326, Acc: 99.58%

[Epoch 382] Loss: 0.0279, Supervised: 0.3781, Unsupervised: 0.0405, Acc: 99.27%

[Epoch 383] Loss: 0.0359, Supervised: 0.4983, Unsupervised: 0.0406, Acc: 98.85%

[Epoch 384] Loss: 0.0385, Supervised: 0.5462, Unsupervised: 0.0308, Acc: 99.27%

[Epoch 385] Loss: 0.0306, Supervised: 0.4225, Unsupervised: 0.0365, Acc: 99.17%

[Epoch 386] Loss: 0.0309, Supervised: 0.4229, Unsupervised: 0.0403, Acc: 98.96%

[Epoch 387] Loss: 0.0172, Supervised: 0.2153, Unsupervised: 0.0428, Acc: 99.58%

[Epoch 388] Loss: 0.0161, Supervised: 0.2004, Unsupervised: 0.0418, Acc: 99.58%

[Epoch 389] Loss: 0.0095, Supervised: 0.1107, Unsupervised: 0.0318, Acc: 99.79%

[Epoch 390] Loss: 0.0083, Supervised: 0.0885, Unsupervised: 0.0366, Acc: 99.90%

[Epoch 391] Loss: 0.0098, Supervised: 0.1138, Unsupervised: 0.0338, Acc: 99.79%

[Epoch 392] Loss: 0.0075, Supervised: 0.0763, Unsupervised: 0.0363, Acc: 99.79%

[Epoch 393] Loss: 0.0058, Supervised: 0.0621, Unsupervised: 0.0253, Acc: 100.00%

[Epoch 394] Loss: 0.0065, Supervised: 0.0627, Unsupervised: 0.0354, Acc: 99.90%

[Epoch 395] Loss: 0.0057, Supervised: 0.0519, Unsupervised: 0.0332, Acc: 100.00%

[Epoch 396] Loss: 0.0039, Supervised: 0.0239, Unsupervised: 0.0351, Acc: 100.00%

[Epoch 397] Loss: 0.0042, Supervised: 0.0328, Unsupervised: 0.0307, Acc: 100.00%

[Epoch 398] Loss: 0.0116, Supervised: 0.1432, Unsupervised: 0.0312, Acc: 99.90%

[Epoch 399] Loss: 0.0209, Supervised: 0.2813, Unsupervised: 0.0324, Acc: 99.48%

[Epoch 400] Loss: 0.0392, Supervised: 0.5461, Unsupervised: 0.0416, Acc: 99.06%

[Epoch 401] Loss: 0.0581, Supervised: 0.8288, Unsupervised: 0.0421, Acc: 98.23%

[Epoch 402] Loss: 0.0832, Supervised: 1.2110, Unsupervised: 0.0370, Acc: 97.40%

[Epoch 403] Loss: 0.0839, Supervised: 1.2156, Unsupervised: 0.0427, Acc: 96.88%

[Epoch 404] Loss: 0.0722, Supervised: 1.0345, Unsupervised: 0.0481, Acc: 97.71%

[Epoch 405] Loss: 0.0483, Supervised: 0.6788, Unsupervised: 0.0455, Acc: 98.33%

[Epoch 406] Loss: 0.0284, Supervised: 0.3846, Unsupervised: 0.0419, Acc: 99.27%

[Epoch 407] Loss: 0.0166, Supervised: 0.2097, Unsupervised: 0.0390, Acc: 99.79%

[Epoch 408] Loss: 0.0144, Supervised: 0.1763, Unsupervised: 0.0394, Acc: 99.58%

[Epoch 409] Loss: 0.0076, Supervised: 0.0763, Unsupervised: 0.0378, Acc: 99.90%

[Epoch 410] Loss: 0.0084, Supervised: 0.0950, Unsupervised: 0.0317, Acc: 99.79%

[Epoch 411] Loss: 0.0080, Supervised: 0.0864, Unsupervised: 0.0335, Acc: 99.79%

[Epoch 412] Loss: 0.0176, Supervised: 0.2238, Unsupervised: 0.0402, Acc: 99.38%

[Epoch 413] Loss: 0.0140, Supervised: 0.1646, Unsupervised: 0.0448, Acc: 99.69%

[Epoch 414] Loss: 0.0067, Supervised: 0.0663, Unsupervised: 0.0339, Acc: 100.00%

[Epoch 415] Loss: 0.0047, Supervised: 0.0365, Unsupervised: 0.0337, Acc: 100.00%

[Epoch 416] Loss: 0.0047, Supervised: 0.0366, Unsupervised: 0.0345, Acc: 99.90%

[Epoch 417] Loss: 0.0046, Supervised: 0.0383, Unsupervised: 0.0310, Acc: 99.90%

[Epoch 418] Loss: 0.0039, Supervised: 0.0276, Unsupervised: 0.0304, Acc: 100.00%

[Epoch 419] Loss: 0.0059, Supervised: 0.0596, Unsupervised: 0.0295, Acc: 99.90%

[Epoch 420] Loss: 0.0052, Supervised: 0.0459, Unsupervised: 0.0323, Acc: 99.79%

[Epoch 421] Loss: 0.0066, Supervised: 0.0684, Unsupervised: 0.0311, Acc: 99.90%

[Epoch 422] Loss: 0.0093, Supervised: 0.1066, Unsupervised: 0.0327, Acc: 99.79%

[Epoch 423] Loss: 0.0091, Supervised: 0.0990, Unsupervised: 0.0376, Acc: 99.79%

[Epoch 424] Loss: 0.0092, Supervised: 0.1087, Unsupervised: 0.0286, Acc: 99.90%

[Epoch 425] Loss: 0.0060, Supervised: 0.0554, Unsupervised: 0.0346, Acc: 100.00%

[Epoch 426] Loss: 0.0123, Supervised: 0.1478, Unsupervised: 0.0365, Acc: 99.79%

[Epoch 427] Loss: 0.0229, Supervised: 0.3043, Unsupervised: 0.0387, Acc: 99.27%

[Epoch 428] Loss: 0.0221, Supervised: 0.2936, Unsupervised: 0.0384, Acc: 99.48%

[Epoch 429] Loss: 0.0181, Supervised: 0.2386, Unsupervised: 0.0329, Acc: 99.27%

[Epoch 430] Loss: 0.0374, Supervised: 0.5278, Unsupervised: 0.0336, Acc: 99.06%

[Epoch 431] Loss: 0.0362, Supervised: 0.5012, Unsupervised: 0.0417, Acc: 99.06%

[Epoch 432] Loss: 0.0679, Supervised: 0.9806, Unsupervised: 0.0385, Acc: 98.54%

[Epoch 433] Loss: 0.0386, Supervised: 0.5330, Unsupervised: 0.0465, Acc: 98.33%

[Epoch 434] Loss: 0.0567, Supervised: 0.8041, Unsupervised: 0.0461, Acc: 98.33%

[Epoch 435] Loss: 0.0816, Supervised: 1.1819, Unsupervised: 0.0415, Acc: 97.60%

[Epoch 436] Loss: 0.0854, Supervised: 1.2384, Unsupervised: 0.0425, Acc: 97.08%

[Epoch 437] Loss: 0.0594, Supervised: 0.8415, Unsupervised: 0.0492, Acc: 97.81%

[Epoch 438] Loss: 0.0654, Supervised: 0.9301, Unsupervised: 0.0515, Acc: 98.33%

[Epoch 439] Loss: 0.0683, Supervised: 0.9775, Unsupervised: 0.0474, Acc: 98.33%

[Epoch 440] Loss: 0.0330, Supervised: 0.4419, Unsupervised: 0.0536, Acc: 98.75%

[Epoch 441] Loss: 0.0367, Supervised: 0.5115, Unsupervised: 0.0391, Acc: 99.06%

[Epoch 442] Loss: 0.0290, Supervised: 0.3933, Unsupervised: 0.0421, Acc: 99.38%

[Epoch 443] Loss: 0.0169, Supervised: 0.2129, Unsupervised: 0.0399, Acc: 99.69%

[Epoch 444] Loss: 0.0129, Supervised: 0.1529, Unsupervised: 0.0412, Acc: 99.79%

[Epoch 445] Loss: 0.0117, Supervised: 0.1373, Unsupervised: 0.0382, Acc: 99.58%

[Epoch 446] Loss: 0.0131, Supervised: 0.1592, Unsupervised: 0.0372, Acc: 99.48%

[Epoch 447] Loss: 0.0260, Supervised: 0.3439, Unsupervised: 0.0455, Acc: 99.48%

[Epoch 448] Loss: 0.0348, Supervised: 0.4803, Unsupervised: 0.0417, Acc: 99.06%

[Epoch 449] Loss: 0.0131, Supervised: 0.1571, Unsupervised: 0.0390, Acc: 99.79%

[Epoch 450] Loss: 0.0184, Supervised: 0.2346, Unsupervised: 0.0414, Acc: 99.27%

[Epoch 451] Loss: 0.0204, Supervised: 0.2703, Unsupervised: 0.0350, Acc: 99.69%

[Epoch 452] Loss: 0.0145, Supervised: 0.1785, Unsupervised: 0.0392, Acc: 99.79%

[Epoch 453] Loss: 0.0092, Supervised: 0.0999, Unsupervised: 0.0378, Acc: 99.69%

[Epoch 454] Loss: 0.0243, Supervised: 0.3207, Unsupervised: 0.0431, Acc: 99.58%

[Epoch 455] Loss: 0.0112, Supervised: 0.1228, Unsupervised: 0.0455, Acc: 99.69%

[Epoch 456] Loss: 0.0176, Supervised: 0.2179, Unsupervised: 0.0454, Acc: 99.58%

[Epoch 457] Loss: 0.0186, Supervised: 0.2435, Unsupervised: 0.0349, Acc: 99.38%

[Epoch 458] Loss: 0.0239, Supervised: 0.3153, Unsupervised: 0.0428, Acc: 99.27%

[Epoch 459] Loss: 0.0289, Supervised: 0.3880, Unsupervised: 0.0453, Acc: 99.38%

[Epoch 460] Loss: 0.0086, Supervised: 0.0863, Unsupervised: 0.0421, Acc: 99.90%

[Epoch 461] Loss: 0.0099, Supervised: 0.1137, Unsupervised: 0.0353, Acc: 99.79%

[Epoch 462] Loss: 0.0125, Supervised: 0.1497, Unsupervised: 0.0384, Acc: 99.58%

[Epoch 463] Loss: 0.0086, Supervised: 0.0972, Unsupervised: 0.0325, Acc: 99.90%

[Epoch 464] Loss: 0.0088, Supervised: 0.1001, Unsupervised: 0.0312, Acc: 99.90%

[Epoch 465] Loss: 0.0165, Supervised: 0.2181, Unsupervised: 0.0296, Acc: 99.58%

[Epoch 466] Loss: 0.0143, Supervised: 0.1851, Unsupervised: 0.0287, Acc: 99.69%

[Epoch 467] Loss: 0.0102, Supervised: 0.1139, Unsupervised: 0.0385, Acc: 99.79%

[Epoch 468] Loss: 0.0122, Supervised: 0.1459, Unsupervised: 0.0365, Acc: 99.69%

[Epoch 469] Loss: 0.0141, Supervised: 0.1786, Unsupervised: 0.0336, Acc: 99.69%

[Epoch 470] Loss: 0.0170, Supervised: 0.2126, Unsupervised: 0.0426, Acc: 99.69%

[Epoch 471] Loss: 0.0188, Supervised: 0.2432, Unsupervised: 0.0385, Acc: 99.48%

[Epoch 472] Loss: 0.0081, Supervised: 0.0858, Unsupervised: 0.0363, Acc: 99.69%

[Epoch 473] Loss: 0.0229, Supervised: 0.3043, Unsupervised: 0.0392, Acc: 99.58%

[Epoch 474] Loss: 0.0164, Supervised: 0.2125, Unsupervised: 0.0336, Acc: 99.58%

[Epoch 475] Loss: 0.0306, Supervised: 0.4218, Unsupervised: 0.0373, Acc: 99.38%

[Epoch 476] Loss: 0.0238, Supervised: 0.3192, Unsupervised: 0.0375, Acc: 99.06%

[Epoch 477] Loss: 0.0253, Supervised: 0.3434, Unsupervised: 0.0360, Acc: 99.38%

[Epoch 478] Loss: 0.0207, Supervised: 0.2752, Unsupervised: 0.0354, Acc: 99.27%

[Epoch 479] Loss: 0.0377, Supervised: 0.5287, Unsupervised: 0.0364, Acc: 98.75%

[Epoch 480] Loss: 0.0338, Supervised: 0.4684, Unsupervised: 0.0385, Acc: 98.75%

[Epoch 481] Loss: 0.0521, Supervised: 0.7386, Unsupervised: 0.0428, Acc: 98.02%

[Epoch 482] Loss: 0.0503, Supervised: 0.7077, Unsupervised: 0.0462, Acc: 98.33%

[Epoch 483] Loss: 0.0676, Supervised: 0.9689, Unsupervised: 0.0444, Acc: 98.02%

[Epoch 484] Loss: 0.0650, Supervised: 0.9305, Unsupervised: 0.0446, Acc: 97.60%

[Epoch 485] Loss: 0.0674, Supervised: 0.9642, Unsupervised: 0.0463, Acc: 98.44%

[Epoch 486] Loss: 0.0467, Supervised: 0.6543, Unsupervised: 0.0462, Acc: 98.65%

[Epoch 487] Loss: 0.0432, Supervised: 0.6001, Unsupervised: 0.0481, Acc: 99.17%

[Epoch 488] Loss: 0.0277, Supervised: 0.3809, Unsupervised: 0.0349, Acc: 99.17%

[Epoch 489] Loss: 0.0331, Supervised: 0.4518, Unsupervised: 0.0439, Acc: 99.06%

[Epoch 490] Loss: 0.0216, Supervised: 0.2798, Unsupervised: 0.0437, Acc: 99.58%

[Epoch 491] Loss: 0.0178, Supervised: 0.2306, Unsupervised: 0.0359, Acc: 99.58%

[Epoch 492] Loss: 0.0144, Supervised: 0.1818, Unsupervised: 0.0347, Acc: 99.69%

[Epoch 493] Loss: 0.0129, Supervised: 0.1579, Unsupervised: 0.0362, Acc: 99.58%

[Epoch 494] Loss: 0.0137, Supervised: 0.1673, Unsupervised: 0.0384, Acc: 99.69%

[Epoch 495] Loss: 0.0111, Supervised: 0.1206, Unsupervised: 0.0458, Acc: 99.79%

[Epoch 496] Loss: 0.0093, Supervised: 0.1015, Unsupervised: 0.0386, Acc: 99.90%

[Epoch 497] Loss: 0.0210, Supervised: 0.2813, Unsupervised: 0.0330, Acc: 99.48%

[Epoch 498] Loss: 0.0180, Supervised: 0.2349, Unsupervised: 0.0353, Acc: 99.48%

[Epoch 499] Loss: 0.0228, Supervised: 0.3052, Unsupervised: 0.0373, Acc: 99.48%

[Seed 1] Test Accuracy: 83.65%

Running experiment: fashion\_mnist | l=1000 | p=0.3 | seed=2

Dataset fashion\_mnist: 1000 labeled instances, 59000 unlabeled instances

Average number of candidates per labeled instance: 3.00

[Epoch 0] Loss: 2.1512, Supervised: 32.2642, Unsupervised: 0.0037, Acc: 22.29%

[Epoch 1] Loss: 1.4197, Supervised: 21.2790, Unsupervised: 0.0164, Acc: 50.31%

[Epoch 2] Loss: 1.1533, Supervised: 17.2676, Unsupervised: 0.0319, Acc: 56.88%

[Epoch 3] Loss: 1.0039, Supervised: 15.0158, Unsupervised: 0.0428, Acc: 63.02%

[Epoch 4] Loss: 0.9082, Supervised: 13.5774, Unsupervised: 0.0456, Acc: 65.62%

[Epoch 5] Loss: 0.8775, Supervised: 13.1077, Unsupervised: 0.0542, Acc: 67.08%

[Epoch 6] Loss: 0.7075, Supervised: 10.5524, Unsupervised: 0.0601, Acc: 74.27%

[Epoch 7] Loss: 0.7939, Supervised: 11.8464, Unsupervised: 0.0616, Acc: 70.42%

[Epoch 8] Loss: 0.7343, Supervised: 10.9673, Unsupervised: 0.0465, Acc: 72.50%

[Epoch 9] Loss: 0.6693, Supervised: 9.9975, Unsupervised: 0.0422, Acc: 73.75%

[Epoch 10] Loss: 0.6857, Supervised: 10.2246, Unsupervised: 0.0608, Acc: 75.42%

[Epoch 11] Loss: 0.6013, Supervised: 8.9764, Unsupervised: 0.0425, Acc: 77.60%

[Epoch 12] Loss: 0.5586, Supervised: 8.3241, Unsupervised: 0.0541, Acc: 78.23%

[Epoch 13] Loss: 0.5972, Supervised: 8.8998, Unsupervised: 0.0587, Acc: 78.65%

[Epoch 14] Loss: 0.5720, Supervised: 8.5276, Unsupervised: 0.0526, Acc: 78.33%

[Epoch 15] Loss: 0.5406, Supervised: 8.0574, Unsupervised: 0.0514, Acc: 78.65%

[Epoch 16] Loss: 0.5544, Supervised: 8.2562, Unsupervised: 0.0594, Acc: 78.96%

[Epoch 17] Loss: 0.5185, Supervised: 7.7320, Unsupervised: 0.0458, Acc: 79.38%

[Epoch 18] Loss: 0.4772, Supervised: 7.1023, Unsupervised: 0.0559, Acc: 81.35%

[Epoch 19] Loss: 0.4783, Supervised: 7.1222, Unsupervised: 0.0529, Acc: 80.52%

[Epoch 20] Loss: 0.4365, Supervised: 6.4886, Unsupervised: 0.0592, Acc: 82.81%

[Epoch 21] Loss: 0.4118, Supervised: 6.1317, Unsupervised: 0.0454, Acc: 83.65%

[Epoch 22] Loss: 0.4713, Supervised: 7.0188, Unsupervised: 0.0501, Acc: 81.98%

[Epoch 23] Loss: 0.4383, Supervised: 6.5154, Unsupervised: 0.0588, Acc: 83.75%

[Epoch 24] Loss: 0.3976, Supervised: 5.9012, Unsupervised: 0.0625, Acc: 84.48%

[Epoch 25] Loss: 0.4207, Supervised: 6.2620, Unsupervised: 0.0493, Acc: 83.12%

[Epoch 26] Loss: 0.4174, Supervised: 6.1999, Unsupervised: 0.0615, Acc: 84.06%

[Epoch 27] Loss: 0.4331, Supervised: 6.4376, Unsupervised: 0.0582, Acc: 82.92%

[Epoch 28] Loss: 0.3933, Supervised: 5.8399, Unsupervised: 0.0592, Acc: 85.52%

[Epoch 29] Loss: 0.3643, Supervised: 5.4082, Unsupervised: 0.0559, Acc: 85.10%

[Epoch 30] Loss: 0.4040, Supervised: 6.0073, Unsupervised: 0.0520, Acc: 85.10%

[Epoch 31] Loss: 0.4036, Supervised: 5.9870, Unsupervised: 0.0675, Acc: 84.69%

[Epoch 32] Loss: 0.3604, Supervised: 5.3514, Unsupervised: 0.0549, Acc: 86.35%

[Epoch 33] Loss: 0.4056, Supervised: 6.0272, Unsupervised: 0.0570, Acc: 84.69%

[Epoch 34] Loss: 0.3952, Supervised: 5.8673, Unsupervised: 0.0606, Acc: 84.06%

[Epoch 35] Loss: 0.3700, Supervised: 5.4971, Unsupervised: 0.0530, Acc: 86.25%

[Epoch 36] Loss: 0.3023, Supervised: 4.4745, Unsupervised: 0.0594, Acc: 88.44%

[Epoch 37] Loss: 0.3371, Supervised: 5.0024, Unsupervised: 0.0541, Acc: 87.19%

[Epoch 38] Loss: 0.3152, Supervised: 4.6758, Unsupervised: 0.0516, Acc: 88.33%

[Epoch 39] Loss: 0.3135, Supervised: 4.6462, Unsupervised: 0.0560, Acc: 88.02%

[Epoch 40] Loss: 0.3206, Supervised: 4.7410, Unsupervised: 0.0679, Acc: 87.29%

[Epoch 41] Loss: 0.3325, Supervised: 4.9301, Unsupervised: 0.0569, Acc: 86.25%

[Epoch 42] Loss: 0.3228, Supervised: 4.7670, Unsupervised: 0.0748, Acc: 87.60%

[Epoch 43] Loss: 0.3492, Supervised: 5.1769, Unsupervised: 0.0604, Acc: 85.73%

[Epoch 44] Loss: 0.3469, Supervised: 5.1515, Unsupervised: 0.0517, Acc: 87.40%

[Epoch 45] Loss: 0.2785, Supervised: 4.1252, Unsupervised: 0.0519, Acc: 88.65%

[Epoch 46] Loss: 0.3190, Supervised: 4.7320, Unsupervised: 0.0534, Acc: 88.12%

[Epoch 47] Loss: 0.3081, Supervised: 4.5564, Unsupervised: 0.0646, Acc: 88.23%

[Epoch 48] Loss: 0.2638, Supervised: 3.9000, Unsupervised: 0.0575, Acc: 89.90%

[Epoch 49] Loss: 0.2558, Supervised: 3.7717, Unsupervised: 0.0653, Acc: 89.90%

[Epoch 50] Loss: 0.2430, Supervised: 3.5777, Unsupervised: 0.0674, Acc: 89.58%

[Epoch 51] Loss: 0.2888, Supervised: 4.2600, Unsupervised: 0.0714, Acc: 89.58%

[Epoch 52] Loss: 0.2904, Supervised: 4.2962, Unsupervised: 0.0599, Acc: 89.06%

[Epoch 53] Loss: 0.3042, Supervised: 4.4992, Unsupervised: 0.0642, Acc: 88.75%

[Epoch 54] Loss: 0.2901, Supervised: 4.2859, Unsupervised: 0.0648, Acc: 89.06%

[Epoch 55] Loss: 0.2142, Supervised: 3.1491, Unsupervised: 0.0640, Acc: 92.08%

[Epoch 56] Loss: 0.2082, Supervised: 3.0624, Unsupervised: 0.0608, Acc: 91.56%

[Epoch 57] Loss: 0.2286, Supervised: 3.3632, Unsupervised: 0.0661, Acc: 90.62%

[Epoch 58] Loss: 0.2119, Supervised: 3.1174, Unsupervised: 0.0605, Acc: 92.19%

[Epoch 59] Loss: 0.1852, Supervised: 2.7216, Unsupervised: 0.0565, Acc: 93.44%

[Epoch 60] Loss: 0.1774, Supervised: 2.5899, Unsupervised: 0.0707, Acc: 93.44%

[Epoch 61] Loss: 0.1863, Supervised: 2.7325, Unsupervised: 0.0627, Acc: 93.75%

[Epoch 62] Loss: 0.2158, Supervised: 3.1920, Unsupervised: 0.0449, Acc: 92.40%

[Epoch 63] Loss: 0.1645, Supervised: 2.4087, Unsupervised: 0.0587, Acc: 93.85%

[Epoch 64] Loss: 0.1897, Supervised: 2.7854, Unsupervised: 0.0596, Acc: 93.33%

[Epoch 65] Loss: 0.1360, Supervised: 1.9856, Unsupervised: 0.0540, Acc: 94.69%

[Epoch 66] Loss: 0.1791, Supervised: 2.6290, Unsupervised: 0.0573, Acc: 92.92%

[Epoch 67] Loss: 0.1566, Supervised: 2.2964, Unsupervised: 0.0531, Acc: 94.48%

[Epoch 68] Loss: 0.1379, Supervised: 2.0130, Unsupervised: 0.0554, Acc: 95.00%

[Epoch 69] Loss: 0.1799, Supervised: 2.6431, Unsupervised: 0.0560, Acc: 94.27%

[Epoch 70] Loss: 0.1383, Supervised: 2.0137, Unsupervised: 0.0609, Acc: 95.73%

[Epoch 71] Loss: 0.1311, Supervised: 1.9101, Unsupervised: 0.0557, Acc: 95.42%

[Epoch 72] Loss: 0.1641, Supervised: 2.4161, Unsupervised: 0.0453, Acc: 94.17%

[Epoch 73] Loss: 0.1489, Supervised: 2.1769, Unsupervised: 0.0569, Acc: 94.06%

[Epoch 74] Loss: 0.1248, Supervised: 1.8167, Unsupervised: 0.0547, Acc: 95.73%

[Epoch 75] Loss: 0.1615, Supervised: 2.3641, Unsupervised: 0.0586, Acc: 94.17%

[Epoch 76] Loss: 0.1526, Supervised: 2.2317, Unsupervised: 0.0568, Acc: 94.48%

[Epoch 77] Loss: 0.1290, Supervised: 1.8918, Unsupervised: 0.0439, Acc: 95.73%

[Epoch 78] Loss: 0.1433, Supervised: 2.0982, Unsupervised: 0.0517, Acc: 94.58%

[Epoch 79] Loss: 0.1811, Supervised: 2.6696, Unsupervised: 0.0466, Acc: 93.54%

[Epoch 80] Loss: 0.1652, Supervised: 2.4242, Unsupervised: 0.0538, Acc: 93.96%

[Epoch 81] Loss: 0.2045, Supervised: 3.0189, Unsupervised: 0.0488, Acc: 92.19%

[Epoch 82] Loss: 0.2184, Supervised: 3.2130, Unsupervised: 0.0629, Acc: 92.29%

[Epoch 83] Loss: 0.1354, Supervised: 1.9796, Unsupervised: 0.0511, Acc: 94.27%

[Epoch 84] Loss: 0.0958, Supervised: 1.3860, Unsupervised: 0.0516, Acc: 96.77%

[Epoch 85] Loss: 0.1202, Supervised: 1.7415, Unsupervised: 0.0607, Acc: 96.15%

[Epoch 86] Loss: 0.1021, Supervised: 1.4847, Unsupervised: 0.0470, Acc: 96.35%

[Epoch 87] Loss: 0.1369, Supervised: 2.0056, Unsupervised: 0.0472, Acc: 95.00%

[Epoch 88] Loss: 0.1461, Supervised: 2.1467, Unsupervised: 0.0445, Acc: 94.38%

[Epoch 89] Loss: 0.1597, Supervised: 2.3433, Unsupervised: 0.0517, Acc: 94.69%

[Epoch 90] Loss: 0.1465, Supervised: 2.1479, Unsupervised: 0.0493, Acc: 93.65%

[Epoch 91] Loss: 0.1159, Supervised: 1.6886, Unsupervised: 0.0493, Acc: 95.21%

[Epoch 92] Loss: 0.1112, Supervised: 1.6209, Unsupervised: 0.0466, Acc: 95.83%

[Epoch 93] Loss: 0.0861, Supervised: 1.2337, Unsupervised: 0.0580, Acc: 97.29%

[Epoch 94] Loss: 0.1106, Supervised: 1.6119, Unsupervised: 0.0464, Acc: 96.56%

[Epoch 95] Loss: 0.0895, Supervised: 1.2939, Unsupervised: 0.0490, Acc: 96.56%

[Epoch 96] Loss: 0.0759, Supervised: 1.0964, Unsupervised: 0.0426, Acc: 97.19%

[Epoch 97] Loss: 0.0915, Supervised: 1.3115, Unsupervised: 0.0614, Acc: 96.98%

[Epoch 98] Loss: 0.0792, Supervised: 1.1386, Unsupervised: 0.0498, Acc: 97.81%

[Epoch 99] Loss: 0.1020, Supervised: 1.4867, Unsupervised: 0.0437, Acc: 95.94%

[Epoch 100] Loss: 0.1114, Supervised: 1.6240, Unsupervised: 0.0468, Acc: 95.94%

[Epoch 101] Loss: 0.0996, Supervised: 1.4457, Unsupervised: 0.0489, Acc: 96.46%

[Epoch 102] Loss: 0.1678, Supervised: 2.4670, Unsupervised: 0.0499, Acc: 94.38%

[Epoch 103] Loss: 0.1413, Supervised: 2.0742, Unsupervised: 0.0457, Acc: 94.90%

[Epoch 104] Loss: 0.1129, Supervised: 1.6430, Unsupervised: 0.0512, Acc: 96.04%

[Epoch 105] Loss: 0.0944, Supervised: 1.3716, Unsupervised: 0.0443, Acc: 97.19%

[Epoch 106] Loss: 0.0977, Supervised: 1.4217, Unsupervised: 0.0441, Acc: 97.19%

[Epoch 107] Loss: 0.0879, Supervised: 1.2750, Unsupervised: 0.0433, Acc: 97.19%

[Epoch 108] Loss: 0.0932, Supervised: 1.3572, Unsupervised: 0.0411, Acc: 96.67%

[Epoch 109] Loss: 0.0656, Supervised: 0.9421, Unsupervised: 0.0420, Acc: 97.60%

[Epoch 110] Loss: 0.0952, Supervised: 1.3785, Unsupervised: 0.0493, Acc: 96.56%

[Epoch 111] Loss: 0.0739, Supervised: 1.0667, Unsupervised: 0.0424, Acc: 97.71%

[Epoch 112] Loss: 0.0659, Supervised: 0.9359, Unsupervised: 0.0521, Acc: 97.71%

[Epoch 113] Loss: 0.0729, Supervised: 1.0572, Unsupervised: 0.0362, Acc: 97.71%

[Epoch 114] Loss: 0.0792, Supervised: 1.1456, Unsupervised: 0.0427, Acc: 97.40%

[Epoch 115] Loss: 0.1164, Supervised: 1.7057, Unsupervised: 0.0397, Acc: 96.04%

[Epoch 116] Loss: 0.0663, Supervised: 0.9526, Unsupervised: 0.0423, Acc: 97.29%

[Epoch 117] Loss: 0.0556, Supervised: 0.7840, Unsupervised: 0.0506, Acc: 97.71%

[Epoch 118] Loss: 0.0584, Supervised: 0.8307, Unsupervised: 0.0455, Acc: 98.44%

[Epoch 119] Loss: 0.0654, Supervised: 0.9438, Unsupervised: 0.0369, Acc: 97.40%

[Epoch 120] Loss: 0.0898, Supervised: 1.2993, Unsupervised: 0.0470, Acc: 96.88%

[Epoch 121] Loss: 0.0736, Supervised: 1.0562, Unsupervised: 0.0479, Acc: 96.88%

[Epoch 122] Loss: 0.0919, Supervised: 1.3282, Unsupervised: 0.0509, Acc: 96.98%

[Epoch 123] Loss: 0.0771, Supervised: 1.1106, Unsupervised: 0.0453, Acc: 96.88%

[Epoch 124] Loss: 0.0715, Supervised: 1.0226, Unsupervised: 0.0500, Acc: 97.92%

[Epoch 125] Loss: 0.0945, Supervised: 1.3625, Unsupervised: 0.0545, Acc: 96.46%

[Epoch 126] Loss: 0.0589, Supervised: 0.8372, Unsupervised: 0.0459, Acc: 98.54%

[Epoch 127] Loss: 0.0823, Supervised: 1.1945, Unsupervised: 0.0399, Acc: 97.29%

[Epoch 128] Loss: 0.1203, Supervised: 1.7580, Unsupervised: 0.0470, Acc: 96.25%

[Epoch 129] Loss: 0.1101, Supervised: 1.6016, Unsupervised: 0.0504, Acc: 95.94%

[Epoch 130] Loss: 0.0866, Supervised: 1.2580, Unsupervised: 0.0410, Acc: 97.40%

[Epoch 131] Loss: 0.0762, Supervised: 1.0995, Unsupervised: 0.0440, Acc: 97.40%

[Epoch 132] Loss: 0.1022, Supervised: 1.4872, Unsupervised: 0.0463, Acc: 96.56%

[Epoch 133] Loss: 0.0803, Supervised: 1.1643, Unsupervised: 0.0400, Acc: 97.19%

[Epoch 134] Loss: 0.0819, Supervised: 1.1792, Unsupervised: 0.0489, Acc: 97.19%

[Epoch 135] Loss: 0.0856, Supervised: 1.2443, Unsupervised: 0.0397, Acc: 97.29%

[Epoch 136] Loss: 0.0441, Supervised: 0.6136, Unsupervised: 0.0473, Acc: 98.54%

[Epoch 137] Loss: 0.0544, Supervised: 0.7714, Unsupervised: 0.0452, Acc: 98.33%

[Epoch 138] Loss: 0.0433, Supervised: 0.6074, Unsupervised: 0.0428, Acc: 98.54%

[Epoch 139] Loss: 0.0515, Supervised: 0.7346, Unsupervised: 0.0384, Acc: 98.23%

[Epoch 140] Loss: 0.0570, Supervised: 0.8136, Unsupervised: 0.0411, Acc: 98.44%

[Epoch 141] Loss: 0.0436, Supervised: 0.6165, Unsupervised: 0.0382, Acc: 98.54%

[Epoch 142] Loss: 0.0564, Supervised: 0.8011, Unsupervised: 0.0446, Acc: 98.75%

[Epoch 143] Loss: 0.0442, Supervised: 0.6159, Unsupervised: 0.0472, Acc: 98.54%

[Epoch 144] Loss: 0.0306, Supervised: 0.4199, Unsupervised: 0.0388, Acc: 98.96%

[Epoch 145] Loss: 0.0426, Supervised: 0.6016, Unsupervised: 0.0370, Acc: 98.75%

[Epoch 146] Loss: 0.0545, Supervised: 0.7675, Unsupervised: 0.0496, Acc: 98.12%

[Epoch 147] Loss: 0.0470, Supervised: 0.6659, Unsupervised: 0.0388, Acc: 98.33%

[Epoch 148] Loss: 0.0431, Supervised: 0.6059, Unsupervised: 0.0408, Acc: 98.65%

[Epoch 149] Loss: 0.0441, Supervised: 0.6193, Unsupervised: 0.0414, Acc: 98.65%

[Epoch 150] Loss: 0.0302, Supervised: 0.4158, Unsupervised: 0.0376, Acc: 98.96%

[Epoch 151] Loss: 0.0312, Supervised: 0.4299, Unsupervised: 0.0388, Acc: 99.38%

[Epoch 152] Loss: 0.0525, Supervised: 0.7488, Unsupervised: 0.0383, Acc: 97.92%

[Epoch 153] Loss: 0.0561, Supervised: 0.8060, Unsupervised: 0.0348, Acc: 98.23%

[Epoch 154] Loss: 0.0523, Supervised: 0.7446, Unsupervised: 0.0394, Acc: 98.65%

[Epoch 155] Loss: 0.0315, Supervised: 0.4378, Unsupervised: 0.0344, Acc: 98.85%

[Epoch 156] Loss: 0.0236, Supervised: 0.3169, Unsupervised: 0.0365, Acc: 99.38%

[Epoch 157] Loss: 0.0345, Supervised: 0.4842, Unsupervised: 0.0340, Acc: 98.85%

[Epoch 158] Loss: 0.0314, Supervised: 0.4358, Unsupervised: 0.0347, Acc: 98.96%

[Epoch 159] Loss: 0.0507, Supervised: 0.7244, Unsupervised: 0.0358, Acc: 98.33%

[Epoch 160] Loss: 0.0485, Supervised: 0.6927, Unsupervised: 0.0353, Acc: 98.65%

[Epoch 161] Loss: 0.0537, Supervised: 0.7698, Unsupervised: 0.0356, Acc: 98.23%

[Epoch 162] Loss: 0.0558, Supervised: 0.8016, Unsupervised: 0.0357, Acc: 98.23%

[Epoch 163] Loss: 0.0307, Supervised: 0.4237, Unsupervised: 0.0366, Acc: 98.96%

[Epoch 164] Loss: 0.0323, Supervised: 0.4473, Unsupervised: 0.0372, Acc: 99.06%

[Epoch 165] Loss: 0.0188, Supervised: 0.2534, Unsupervised: 0.0292, Acc: 99.69%

[Epoch 166] Loss: 0.0296, Supervised: 0.4127, Unsupervised: 0.0316, Acc: 99.06%

[Epoch 167] Loss: 0.0434, Supervised: 0.6123, Unsupervised: 0.0385, Acc: 98.85%

[Epoch 168] Loss: 0.0566, Supervised: 0.8051, Unsupervised: 0.0444, Acc: 98.12%

[Epoch 169] Loss: 0.0554, Supervised: 0.7861, Unsupervised: 0.0445, Acc: 98.54%

[Epoch 170] Loss: 0.0440, Supervised: 0.6252, Unsupervised: 0.0349, Acc: 98.44%

[Epoch 171] Loss: 0.0467, Supervised: 0.6581, Unsupervised: 0.0423, Acc: 98.23%

[Epoch 172] Loss: 0.0419, Supervised: 0.5946, Unsupervised: 0.0344, Acc: 98.33%

[Epoch 173] Loss: 0.0534, Supervised: 0.7726, Unsupervised: 0.0282, Acc: 98.33%

[Epoch 174] Loss: 0.0612, Supervised: 0.8734, Unsupervised: 0.0440, Acc: 98.33%

[Epoch 175] Loss: 0.0504, Supervised: 0.7167, Unsupervised: 0.0394, Acc: 98.02%

[Epoch 176] Loss: 0.0475, Supervised: 0.6667, Unsupervised: 0.0453, Acc: 98.12%

[Epoch 177] Loss: 0.0411, Supervised: 0.5801, Unsupervised: 0.0357, Acc: 98.54%

[Epoch 178] Loss: 0.0385, Supervised: 0.5335, Unsupervised: 0.0445, Acc: 98.75%

[Epoch 179] Loss: 0.0221, Supervised: 0.2984, Unsupervised: 0.0336, Acc: 99.48%

[Epoch 180] Loss: 0.0334, Supervised: 0.4676, Unsupervised: 0.0341, Acc: 98.65%

[Epoch 181] Loss: 0.0528, Supervised: 0.7565, Unsupervised: 0.0362, Acc: 98.44%

[Epoch 182] Loss: 0.0934, Supervised: 1.3620, Unsupervised: 0.0384, Acc: 97.29%

[Epoch 183] Loss: 0.0544, Supervised: 0.7730, Unsupervised: 0.0428, Acc: 98.44%

[Epoch 184] Loss: 0.0597, Supervised: 0.8574, Unsupervised: 0.0380, Acc: 97.19%

[Epoch 185] Loss: 0.1064, Supervised: 1.5563, Unsupervised: 0.0392, Acc: 95.94%

[Epoch 186] Loss: 0.0612, Supervised: 0.8756, Unsupervised: 0.0424, Acc: 97.81%

[Epoch 187] Loss: 0.0570, Supervised: 0.8094, Unsupervised: 0.0449, Acc: 98.33%

[Epoch 188] Loss: 0.0371, Supervised: 0.5189, Unsupervised: 0.0379, Acc: 98.54%

[Epoch 189] Loss: 0.0262, Supervised: 0.3539, Unsupervised: 0.0396, Acc: 99.27%

[Epoch 190] Loss: 0.0241, Supervised: 0.3247, Unsupervised: 0.0372, Acc: 99.27%

[Epoch 191] Loss: 0.0227, Supervised: 0.2949, Unsupervised: 0.0452, Acc: 99.27%

[Epoch 192] Loss: 0.0215, Supervised: 0.2869, Unsupervised: 0.0358, Acc: 99.48%

[Epoch 193] Loss: 0.0292, Supervised: 0.4002, Unsupervised: 0.0375, Acc: 99.27%

[Epoch 194] Loss: 0.0335, Supervised: 0.4652, Unsupervised: 0.0368, Acc: 98.85%

[Epoch 195] Loss: 0.0276, Supervised: 0.3748, Unsupervised: 0.0387, Acc: 99.27%

[Epoch 196] Loss: 0.0348, Supervised: 0.4835, Unsupervised: 0.0387, Acc: 98.96%

[Epoch 197] Loss: 0.0458, Supervised: 0.6507, Unsupervised: 0.0369, Acc: 98.96%

[Epoch 198] Loss: 0.0816, Supervised: 1.1915, Unsupervised: 0.0332, Acc: 97.71%

[Epoch 199] Loss: 0.0518, Supervised: 0.7331, Unsupervised: 0.0441, Acc: 98.12%

[Epoch 200] Loss: 0.0596, Supervised: 0.8525, Unsupervised: 0.0410, Acc: 97.92%

[Epoch 201] Loss: 0.0552, Supervised: 0.7884, Unsupervised: 0.0389, Acc: 98.12%

[Epoch 202] Loss: 0.0599, Supervised: 0.8571, Unsupervised: 0.0411, Acc: 98.33%

[Epoch 203] Loss: 0.0422, Supervised: 0.5936, Unsupervised: 0.0396, Acc: 98.54%

[Epoch 204] Loss: 0.0458, Supervised: 0.6502, Unsupervised: 0.0370, Acc: 98.75%

[Epoch 205] Loss: 0.0354, Supervised: 0.4938, Unsupervised: 0.0376, Acc: 98.65%

[Epoch 206] Loss: 0.0500, Supervised: 0.7158, Unsupervised: 0.0347, Acc: 97.81%

[Epoch 207] Loss: 0.0477, Supervised: 0.6798, Unsupervised: 0.0354, Acc: 98.44%

[Epoch 208] Loss: 0.0538, Supervised: 0.7655, Unsupervised: 0.0418, Acc: 98.02%

[Epoch 209] Loss: 0.0389, Supervised: 0.5424, Unsupervised: 0.0416, Acc: 98.75%

[Epoch 210] Loss: 0.0501, Supervised: 0.7188, Unsupervised: 0.0320, Acc: 98.02%

[Epoch 211] Loss: 0.0374, Supervised: 0.5245, Unsupervised: 0.0370, Acc: 98.65%

[Epoch 212] Loss: 0.0539, Supervised: 0.7722, Unsupervised: 0.0362, Acc: 98.33%

[Epoch 213] Loss: 0.0544, Supervised: 0.7769, Unsupervised: 0.0385, Acc: 98.54%

[Epoch 214] Loss: 0.0387, Supervised: 0.5442, Unsupervised: 0.0369, Acc: 98.85%

[Epoch 215] Loss: 0.0450, Supervised: 0.6374, Unsupervised: 0.0370, Acc: 98.54%

[Epoch 216] Loss: 0.0410, Supervised: 0.5787, Unsupervised: 0.0369, Acc: 99.06%

[Epoch 217] Loss: 0.0322, Supervised: 0.4457, Unsupervised: 0.0374, Acc: 99.06%

[Epoch 218] Loss: 0.0335, Supervised: 0.4603, Unsupervised: 0.0422, Acc: 98.65%

[Epoch 219] Loss: 0.0245, Supervised: 0.3325, Unsupervised: 0.0355, Acc: 99.06%

[Epoch 220] Loss: 0.0344, Supervised: 0.4734, Unsupervised: 0.0422, Acc: 98.75%

[Epoch 221] Loss: 0.0233, Supervised: 0.3145, Unsupervised: 0.0348, Acc: 99.38%

[Epoch 222] Loss: 0.0254, Supervised: 0.3513, Unsupervised: 0.0294, Acc: 99.27%

[Epoch 223] Loss: 0.0217, Supervised: 0.2853, Unsupervised: 0.0396, Acc: 99.38%

[Epoch 224] Loss: 0.0346, Supervised: 0.4856, Unsupervised: 0.0340, Acc: 98.65%

[Epoch 225] Loss: 0.0283, Supervised: 0.3912, Unsupervised: 0.0331, Acc: 99.17%

[Epoch 226] Loss: 0.0228, Supervised: 0.2966, Unsupervised: 0.0455, Acc: 99.17%

[Epoch 227] Loss: 0.0260, Supervised: 0.3553, Unsupervised: 0.0349, Acc: 99.06%

[Epoch 228] Loss: 0.0261, Supervised: 0.3592, Unsupervised: 0.0327, Acc: 99.38%

[Epoch 229] Loss: 0.0300, Supervised: 0.4155, Unsupervised: 0.0338, Acc: 99.27%

[Epoch 230] Loss: 0.0134, Supervised: 0.1646, Unsupervised: 0.0364, Acc: 99.69%

[Epoch 231] Loss: 0.0458, Supervised: 0.6532, Unsupervised: 0.0342, Acc: 98.75%

[Epoch 232] Loss: 0.0176, Supervised: 0.2239, Unsupervised: 0.0395, Acc: 99.79%

[Epoch 233] Loss: 0.0130, Supervised: 0.1615, Unsupervised: 0.0333, Acc: 99.79%

[Epoch 234] Loss: 0.0114, Supervised: 0.1430, Unsupervised: 0.0285, Acc: 99.58%

[Epoch 235] Loss: 0.0159, Supervised: 0.2070, Unsupervised: 0.0312, Acc: 99.58%

[Epoch 236] Loss: 0.0252, Supervised: 0.3404, Unsupervised: 0.0378, Acc: 99.17%

[Epoch 237] Loss: 0.0268, Supervised: 0.3558, Unsupervised: 0.0457, Acc: 98.96%

[Epoch 238] Loss: 0.0275, Supervised: 0.3777, Unsupervised: 0.0341, Acc: 99.27%

[Epoch 239] Loss: 0.0356, Supervised: 0.4943, Unsupervised: 0.0397, Acc: 99.17%

[Epoch 240] Loss: 0.0226, Supervised: 0.3057, Unsupervised: 0.0336, Acc: 99.27%

[Epoch 241] Loss: 0.0191, Supervised: 0.2558, Unsupervised: 0.0308, Acc: 99.48%

[Epoch 242] Loss: 0.0133, Supervised: 0.1641, Unsupervised: 0.0355, Acc: 99.79%

[Epoch 243] Loss: 0.0226, Supervised: 0.2979, Unsupervised: 0.0409, Acc: 99.38%

[Epoch 244] Loss: 0.0281, Supervised: 0.3890, Unsupervised: 0.0323, Acc: 99.17%

[Epoch 245] Loss: 0.0427, Supervised: 0.6082, Unsupervised: 0.0319, Acc: 98.85%

[Epoch 246] Loss: 0.0374, Supervised: 0.5243, Unsupervised: 0.0374, Acc: 98.85%

[Epoch 247] Loss: 0.0261, Supervised: 0.3607, Unsupervised: 0.0310, Acc: 99.17%

[Epoch 248] Loss: 0.0340, Supervised: 0.4755, Unsupervised: 0.0342, Acc: 98.96%

[Epoch 249] Loss: 0.0200, Supervised: 0.2585, Unsupervised: 0.0419, Acc: 99.27%

[Epoch 250] Loss: 0.0347, Supervised: 0.4832, Unsupervised: 0.0366, Acc: 99.17%

[Epoch 251] Loss: 0.0410, Supervised: 0.5804, Unsupervised: 0.0347, Acc: 98.54%

[Epoch 252] Loss: 0.0388, Supervised: 0.5365, Unsupervised: 0.0453, Acc: 98.54%

[Epoch 253] Loss: 0.0538, Supervised: 0.7653, Unsupervised: 0.0416, Acc: 98.33%

[Epoch 254] Loss: 0.0436, Supervised: 0.6163, Unsupervised: 0.0377, Acc: 98.44%

[Epoch 255] Loss: 0.0493, Supervised: 0.6935, Unsupervised: 0.0457, Acc: 98.02%

[Epoch 256] Loss: 0.0487, Supervised: 0.6904, Unsupervised: 0.0396, Acc: 98.23%

[Epoch 257] Loss: 0.0369, Supervised: 0.5196, Unsupervised: 0.0347, Acc: 98.85%

[Epoch 258] Loss: 0.0398, Supervised: 0.5519, Unsupervised: 0.0454, Acc: 98.65%

[Epoch 259] Loss: 0.0190, Supervised: 0.2443, Unsupervised: 0.0401, Acc: 99.38%

[Epoch 260] Loss: 0.0319, Supervised: 0.4402, Unsupervised: 0.0383, Acc: 98.96%

[Epoch 261] Loss: 0.0371, Supervised: 0.5109, Unsupervised: 0.0451, Acc: 99.06%

[Epoch 262] Loss: 0.0255, Supervised: 0.3529, Unsupervised: 0.0295, Acc: 98.96%

[Epoch 263] Loss: 0.0411, Supervised: 0.5755, Unsupervised: 0.0405, Acc: 98.85%

[Epoch 264] Loss: 0.0299, Supervised: 0.4152, Unsupervised: 0.0327, Acc: 98.96%

[Epoch 265] Loss: 0.0518, Supervised: 0.7409, Unsupervised: 0.0358, Acc: 98.33%

[Epoch 266] Loss: 0.0360, Supervised: 0.4994, Unsupervised: 0.0401, Acc: 98.85%

[Epoch 267] Loss: 0.0270, Supervised: 0.3716, Unsupervised: 0.0341, Acc: 99.17%

[Epoch 268] Loss: 0.0199, Supervised: 0.2692, Unsupervised: 0.0298, Acc: 99.17%

[Epoch 269] Loss: 0.0263, Supervised: 0.3599, Unsupervised: 0.0352, Acc: 99.06%

[Epoch 270] Loss: 0.0377, Supervised: 0.5305, Unsupervised: 0.0352, Acc: 98.85%

[Epoch 271] Loss: 0.0219, Supervised: 0.2920, Unsupervised: 0.0367, Acc: 99.27%

[Epoch 272] Loss: 0.0284, Supervised: 0.3837, Unsupervised: 0.0423, Acc: 99.27%

[Epoch 273] Loss: 0.0297, Supervised: 0.4103, Unsupervised: 0.0352, Acc: 99.17%

[Epoch 274] Loss: 0.0502, Supervised: 0.7169, Unsupervised: 0.0355, Acc: 98.75%

[Epoch 275] Loss: 0.0595, Supervised: 0.8562, Unsupervised: 0.0360, Acc: 97.92%

[Epoch 276] Loss: 0.0387, Supervised: 0.5396, Unsupervised: 0.0409, Acc: 98.54%

[Epoch 277] Loss: 0.0308, Supervised: 0.4252, Unsupervised: 0.0375, Acc: 99.17%

[Epoch 278] Loss: 0.0385, Supervised: 0.5433, Unsupervised: 0.0338, Acc: 98.85%

[Epoch 279] Loss: 0.0569, Supervised: 0.8172, Unsupervised: 0.0365, Acc: 98.33%

[Epoch 280] Loss: 0.0539, Supervised: 0.7658, Unsupervised: 0.0425, Acc: 98.23%

[Epoch 281] Loss: 0.0742, Supervised: 1.0724, Unsupervised: 0.0400, Acc: 98.12%

[Epoch 282] Loss: 0.0450, Supervised: 0.6382, Unsupervised: 0.0364, Acc: 98.44%

[Epoch 283] Loss: 0.0324, Supervised: 0.4472, Unsupervised: 0.0389, Acc: 98.96%

[Epoch 284] Loss: 0.0262, Supervised: 0.3496, Unsupervised: 0.0428, Acc: 99.17%

[Epoch 285] Loss: 0.0337, Supervised: 0.4761, Unsupervised: 0.0301, Acc: 99.06%

[Epoch 286] Loss: 0.0212, Supervised: 0.2776, Unsupervised: 0.0406, Acc: 99.27%

[Epoch 287] Loss: 0.0299, Supervised: 0.4086, Unsupervised: 0.0402, Acc: 99.06%

[Epoch 288] Loss: 0.0243, Supervised: 0.3260, Unsupervised: 0.0380, Acc: 99.38%

[Epoch 289] Loss: 0.0311, Supervised: 0.4208, Unsupervised: 0.0459, Acc: 99.17%

[Epoch 290] Loss: 0.0520, Supervised: 0.7461, Unsupervised: 0.0340, Acc: 98.75%

[Epoch 291] Loss: 0.0219, Supervised: 0.2831, Unsupervised: 0.0447, Acc: 99.17%

[Epoch 292] Loss: 0.0123, Supervised: 0.1498, Unsupervised: 0.0353, Acc: 99.79%

[Epoch 293] Loss: 0.0142, Supervised: 0.1769, Unsupervised: 0.0363, Acc: 99.69%

[Epoch 294] Loss: 0.0181, Supervised: 0.2356, Unsupervised: 0.0360, Acc: 99.27%

[Epoch 295] Loss: 0.0198, Supervised: 0.2567, Unsupervised: 0.0396, Acc: 99.27%

[Epoch 296] Loss: 0.0262, Supervised: 0.3556, Unsupervised: 0.0371, Acc: 99.38%

[Epoch 297] Loss: 0.0148, Supervised: 0.1931, Unsupervised: 0.0291, Acc: 99.48%

[Epoch 298] Loss: 0.0199, Supervised: 0.2626, Unsupervised: 0.0361, Acc: 99.48%

[Epoch 299] Loss: 0.0186, Supervised: 0.2402, Unsupervised: 0.0394, Acc: 99.58%

[Epoch 300] Loss: 0.0184, Supervised: 0.2415, Unsupervised: 0.0347, Acc: 99.58%

[Epoch 301] Loss: 0.0120, Supervised: 0.1498, Unsupervised: 0.0301, Acc: 99.79%

[Epoch 302] Loss: 0.0193, Supervised: 0.2561, Unsupervised: 0.0335, Acc: 99.38%

[Epoch 303] Loss: 0.0133, Supervised: 0.1605, Unsupervised: 0.0385, Acc: 99.48%

[Epoch 304] Loss: 0.0230, Supervised: 0.3115, Unsupervised: 0.0335, Acc: 99.27%

[Epoch 305] Loss: 0.0182, Supervised: 0.2403, Unsupervised: 0.0332, Acc: 99.27%

[Epoch 306] Loss: 0.0149, Supervised: 0.1809, Unsupervised: 0.0419, Acc: 99.58%

[Epoch 307] Loss: 0.0183, Supervised: 0.2456, Unsupervised: 0.0283, Acc: 99.58%

[Epoch 308] Loss: 0.0141, Supervised: 0.1715, Unsupervised: 0.0405, Acc: 99.69%

[Epoch 309] Loss: 0.0336, Supervised: 0.4759, Unsupervised: 0.0274, Acc: 99.17%

[Epoch 310] Loss: 0.0314, Supervised: 0.4390, Unsupervised: 0.0320, Acc: 98.96%

[Epoch 311] Loss: 0.0680, Supervised: 0.9901, Unsupervised: 0.0298, Acc: 97.92%

[Epoch 312] Loss: 0.0680, Supervised: 0.9848, Unsupervised: 0.0354, Acc: 98.12%

[Epoch 313] Loss: 0.0524, Supervised: 0.7441, Unsupervised: 0.0416, Acc: 98.65%

[Epoch 314] Loss: 0.0528, Supervised: 0.7557, Unsupervised: 0.0365, Acc: 98.65%

[Epoch 315] Loss: 0.0268, Supervised: 0.3578, Unsupervised: 0.0448, Acc: 98.85%

[Epoch 316] Loss: 0.0364, Supervised: 0.5075, Unsupervised: 0.0379, Acc: 98.85%

[Epoch 317] Loss: 0.0486, Supervised: 0.6924, Unsupervised: 0.0363, Acc: 98.75%

[Epoch 318] Loss: 0.0506, Supervised: 0.7174, Unsupervised: 0.0420, Acc: 98.44%

[Epoch 319] Loss: 0.0304, Supervised: 0.4136, Unsupervised: 0.0417, Acc: 98.85%

[Epoch 320] Loss: 0.0229, Supervised: 0.3092, Unsupervised: 0.0349, Acc: 99.27%

[Epoch 321] Loss: 0.0221, Supervised: 0.2919, Unsupervised: 0.0402, Acc: 99.48%

[Epoch 322] Loss: 0.0258, Supervised: 0.3507, Unsupervised: 0.0371, Acc: 99.06%

[Epoch 323] Loss: 0.0214, Supervised: 0.2804, Unsupervised: 0.0409, Acc: 98.96%

[Epoch 324] Loss: 0.0231, Supervised: 0.3080, Unsupervised: 0.0386, Acc: 99.27%

[Epoch 325] Loss: 0.0168, Supervised: 0.2203, Unsupervised: 0.0315, Acc: 99.58%

[Epoch 326] Loss: 0.0236, Supervised: 0.3179, Unsupervised: 0.0354, Acc: 99.27%

[Epoch 327] Loss: 0.0350, Supervised: 0.4826, Unsupervised: 0.0420, Acc: 98.54%

[Epoch 328] Loss: 0.0414, Supervised: 0.5878, Unsupervised: 0.0331, Acc: 98.85%

[Epoch 329] Loss: 0.0386, Supervised: 0.5358, Unsupervised: 0.0431, Acc: 98.75%

[Epoch 330] Loss: 0.0166, Supervised: 0.2134, Unsupervised: 0.0362, Acc: 99.48%

[Epoch 331] Loss: 0.0185, Supervised: 0.2367, Unsupervised: 0.0410, Acc: 99.58%

[Epoch 332] Loss: 0.0196, Supervised: 0.2566, Unsupervised: 0.0371, Acc: 99.38%

[Epoch 333] Loss: 0.0084, Supervised: 0.0935, Unsupervised: 0.0323, Acc: 99.90%

[Epoch 334] Loss: 0.0099, Supervised: 0.1106, Unsupervised: 0.0374, Acc: 99.79%

[Epoch 335] Loss: 0.0090, Supervised: 0.0980, Unsupervised: 0.0374, Acc: 99.90%

[Epoch 336] Loss: 0.0120, Supervised: 0.1455, Unsupervised: 0.0342, Acc: 99.69%

[Epoch 337] Loss: 0.0073, Supervised: 0.0797, Unsupervised: 0.0297, Acc: 99.79%

[Epoch 338] Loss: 0.0094, Supervised: 0.1087, Unsupervised: 0.0317, Acc: 99.79%

[Epoch 339] Loss: 0.0109, Supervised: 0.1288, Unsupervised: 0.0351, Acc: 99.58%

[Epoch 340] Loss: 0.0112, Supervised: 0.1374, Unsupervised: 0.0304, Acc: 99.79%

[Epoch 341] Loss: 0.0108, Supervised: 0.1342, Unsupervised: 0.0282, Acc: 99.58%

[Epoch 342] Loss: 0.0346, Supervised: 0.4849, Unsupervised: 0.0342, Acc: 98.65%

[Epoch 343] Loss: 0.0503, Supervised: 0.7167, Unsupervised: 0.0374, Acc: 98.54%

[Epoch 344] Loss: 0.0381, Supervised: 0.5363, Unsupervised: 0.0351, Acc: 98.75%

[Epoch 345] Loss: 0.0267, Supervised: 0.3634, Unsupervised: 0.0374, Acc: 99.17%

[Epoch 346] Loss: 0.0309, Supervised: 0.4324, Unsupervised: 0.0315, Acc: 98.85%

[Epoch 347] Loss: 0.0468, Supervised: 0.6576, Unsupervised: 0.0440, Acc: 98.54%

[Epoch 348] Loss: 0.0346, Supervised: 0.4754, Unsupervised: 0.0438, Acc: 98.65%

[Epoch 349] Loss: 0.0443, Supervised: 0.6309, Unsupervised: 0.0334, Acc: 98.54%

[Epoch 350] Loss: 0.0435, Supervised: 0.6118, Unsupervised: 0.0403, Acc: 98.65%

[Epoch 351] Loss: 0.0336, Supervised: 0.4719, Unsupervised: 0.0318, Acc: 98.85%

[Epoch 352] Loss: 0.0295, Supervised: 0.4046, Unsupervised: 0.0376, Acc: 99.06%

[Epoch 353] Loss: 0.0449, Supervised: 0.6395, Unsupervised: 0.0338, Acc: 98.44%

[Epoch 354] Loss: 0.0451, Supervised: 0.6376, Unsupervised: 0.0384, Acc: 98.33%

[Epoch 355] Loss: 0.0672, Supervised: 0.9691, Unsupervised: 0.0385, Acc: 97.81%

[Epoch 356] Loss: 0.1111, Supervised: 1.6166, Unsupervised: 0.0502, Acc: 96.77%

[Epoch 357] Loss: 0.0462, Supervised: 0.6501, Unsupervised: 0.0424, Acc: 98.44%

[Epoch 358] Loss: 0.0372, Supervised: 0.5131, Unsupervised: 0.0454, Acc: 98.44%

[Epoch 359] Loss: 0.0356, Supervised: 0.4923, Unsupervised: 0.0416, Acc: 98.96%

[Epoch 360] Loss: 0.0402, Supervised: 0.5578, Unsupervised: 0.0448, Acc: 98.85%

[Epoch 361] Loss: 0.0210, Supervised: 0.2699, Unsupervised: 0.0453, Acc: 99.58%

[Epoch 362] Loss: 0.0138, Supervised: 0.1655, Unsupervised: 0.0412, Acc: 99.48%

[Epoch 363] Loss: 0.0106, Supervised: 0.1271, Unsupervised: 0.0315, Acc: 99.58%

[Epoch 364] Loss: 0.0175, Supervised: 0.2295, Unsupervised: 0.0334, Acc: 99.69%

[Epoch 365] Loss: 0.0283, Supervised: 0.3940, Unsupervised: 0.0309, Acc: 99.17%

[Epoch 366] Loss: 0.0210, Supervised: 0.2731, Unsupervised: 0.0412, Acc: 99.27%

[Epoch 367] Loss: 0.0153, Supervised: 0.1983, Unsupervised: 0.0310, Acc: 99.69%

[Epoch 368] Loss: 0.0162, Supervised: 0.2108, Unsupervised: 0.0322, Acc: 99.48%

[Epoch 369] Loss: 0.0246, Supervised: 0.3340, Unsupervised: 0.0344, Acc: 99.69%

[Epoch 370] Loss: 0.0154, Supervised: 0.1949, Unsupervised: 0.0366, Acc: 99.69%

[Epoch 371] Loss: 0.0269, Supervised: 0.3705, Unsupervised: 0.0336, Acc: 99.27%

[Epoch 372] Loss: 0.0263, Supervised: 0.3547, Unsupervised: 0.0394, Acc: 99.17%

[Epoch 373] Loss: 0.0149, Supervised: 0.1878, Unsupervised: 0.0350, Acc: 99.69%

[Epoch 374] Loss: 0.0161, Supervised: 0.2019, Unsupervised: 0.0392, Acc: 99.58%

[Epoch 375] Loss: 0.0145, Supervised: 0.1874, Unsupervised: 0.0303, Acc: 99.38%

[Epoch 376] Loss: 0.0259, Supervised: 0.3503, Unsupervised: 0.0375, Acc: 99.27%

[Epoch 377] Loss: 0.0239, Supervised: 0.3230, Unsupervised: 0.0357, Acc: 99.27%

[Epoch 378] Loss: 0.0159, Supervised: 0.2024, Unsupervised: 0.0360, Acc: 99.69%

[Epoch 379] Loss: 0.0276, Supervised: 0.3824, Unsupervised: 0.0322, Acc: 99.38%

[Epoch 380] Loss: 0.0189, Supervised: 0.2470, Unsupervised: 0.0364, Acc: 99.48%

[Epoch 381] Loss: 0.0113, Supervised: 0.1349, Unsupervised: 0.0348, Acc: 99.58%

[Epoch 382] Loss: 0.0127, Supervised: 0.1639, Unsupervised: 0.0271, Acc: 99.58%

[Epoch 383] Loss: 0.0158, Supervised: 0.2030, Unsupervised: 0.0338, Acc: 99.69%

[Epoch 384] Loss: 0.0282, Supervised: 0.3841, Unsupervised: 0.0392, Acc: 99.27%

[Epoch 385] Loss: 0.0144, Supervised: 0.1765, Unsupervised: 0.0397, Acc: 99.79%

[Epoch 386] Loss: 0.0188, Supervised: 0.2536, Unsupervised: 0.0287, Acc: 99.48%

[Epoch 387] Loss: 0.0179, Supervised: 0.2378, Unsupervised: 0.0300, Acc: 99.48%

[Epoch 388] Loss: 0.0096, Supervised: 0.1123, Unsupervised: 0.0321, Acc: 99.69%

[Epoch 389] Loss: 0.0174, Supervised: 0.2240, Unsupervised: 0.0373, Acc: 99.48%

[Epoch 390] Loss: 0.0081, Supervised: 0.0828, Unsupervised: 0.0385, Acc: 99.90%

[Epoch 391] Loss: 0.0075, Supervised: 0.0844, Unsupervised: 0.0289, Acc: 99.90%

[Epoch 392] Loss: 0.0194, Supervised: 0.2564, Unsupervised: 0.0348, Acc: 99.38%

[Epoch 393] Loss: 0.0164, Supervised: 0.2127, Unsupervised: 0.0340, Acc: 99.38%

[Epoch 394] Loss: 0.0274, Supervised: 0.3686, Unsupervised: 0.0425, Acc: 99.58%

[Epoch 395] Loss: 0.0143, Supervised: 0.1806, Unsupervised: 0.0339, Acc: 99.58%

[Epoch 396] Loss: 0.0194, Supervised: 0.2582, Unsupervised: 0.0333, Acc: 99.38%

[Epoch 397] Loss: 0.0125, Supervised: 0.1488, Unsupervised: 0.0389, Acc: 99.69%

[Epoch 398] Loss: 0.0295, Supervised: 0.4106, Unsupervised: 0.0321, Acc: 99.27%

[Epoch 399] Loss: 0.0176, Supervised: 0.2318, Unsupervised: 0.0329, Acc: 99.58%

[Epoch 400] Loss: 0.0282, Supervised: 0.3889, Unsupervised: 0.0348, Acc: 99.17%

[Epoch 401] Loss: 0.0320, Supervised: 0.4420, Unsupervised: 0.0374, Acc: 99.06%

[Epoch 402] Loss: 0.0767, Supervised: 1.1120, Unsupervised: 0.0391, Acc: 98.12%

[Epoch 403] Loss: 0.0562, Supervised: 0.8030, Unsupervised: 0.0394, Acc: 97.71%

[Epoch 404] Loss: 0.0475, Supervised: 0.6739, Unsupervised: 0.0392, Acc: 98.54%

[Epoch 405] Loss: 0.0403, Supervised: 0.5638, Unsupervised: 0.0400, Acc: 98.75%

[Epoch 406] Loss: 0.0287, Supervised: 0.3899, Unsupervised: 0.0413, Acc: 99.06%

[Epoch 407] Loss: 0.0200, Supervised: 0.2587, Unsupervised: 0.0408, Acc: 99.27%

[Epoch 408] Loss: 0.0156, Supervised: 0.1919, Unsupervised: 0.0413, Acc: 99.69%

[Epoch 409] Loss: 0.0191, Supervised: 0.2450, Unsupervised: 0.0415, Acc: 99.38%

[Epoch 410] Loss: 0.0098, Supervised: 0.1122, Unsupervised: 0.0345, Acc: 99.90%

[Epoch 411] Loss: 0.0095, Supervised: 0.1116, Unsupervised: 0.0306, Acc: 99.79%

[Epoch 412] Loss: 0.0191, Supervised: 0.2516, Unsupervised: 0.0350, Acc: 99.38%

[Epoch 413] Loss: 0.0145, Supervised: 0.1820, Unsupervised: 0.0362, Acc: 99.79%

[Epoch 414] Loss: 0.0240, Supervised: 0.3311, Unsupervised: 0.0294, Acc: 99.17%

[Epoch 415] Loss: 0.0276, Supervised: 0.3789, Unsupervised: 0.0356, Acc: 99.27%

[Epoch 416] Loss: 0.0310, Supervised: 0.4292, Unsupervised: 0.0351, Acc: 99.06%

[Epoch 417] Loss: 0.0414, Supervised: 0.5855, Unsupervised: 0.0348, Acc: 98.44%

[Epoch 418] Loss: 0.0490, Supervised: 0.6968, Unsupervised: 0.0389, Acc: 98.33%

[Epoch 419] Loss: 0.0215, Supervised: 0.2855, Unsupervised: 0.0368, Acc: 99.48%

[Epoch 420] Loss: 0.0199, Supervised: 0.2599, Unsupervised: 0.0382, Acc: 99.27%

[Epoch 421] Loss: 0.0104, Supervised: 0.1207, Unsupervised: 0.0346, Acc: 99.90%

[Epoch 422] Loss: 0.0077, Supervised: 0.0771, Unsupervised: 0.0390, Acc: 99.90%

[Epoch 423] Loss: 0.0135, Supervised: 0.1651, Unsupervised: 0.0367, Acc: 99.58%

[Epoch 424] Loss: 0.0063, Supervised: 0.0610, Unsupervised: 0.0342, Acc: 99.90%

[Epoch 425] Loss: 0.0067, Supervised: 0.0632, Unsupervised: 0.0374, Acc: 99.90%

[Epoch 426] Loss: 0.0037, Supervised: 0.0229, Unsupervised: 0.0332, Acc: 100.00%

[Epoch 427] Loss: 0.0050, Supervised: 0.0418, Unsupervised: 0.0336, Acc: 100.00%

[Epoch 428] Loss: 0.0085, Supervised: 0.0874, Unsupervised: 0.0402, Acc: 99.58%

[Epoch 429] Loss: 0.0089, Supervised: 0.0986, Unsupervised: 0.0348, Acc: 99.79%

[Epoch 430] Loss: 0.0485, Supervised: 0.6883, Unsupervised: 0.0399, Acc: 99.06%

[Epoch 431] Loss: 0.0782, Supervised: 1.1363, Unsupervised: 0.0372, Acc: 97.29%

[Epoch 432] Loss: 0.0636, Supervised: 0.9139, Unsupervised: 0.0396, Acc: 98.33%

[Epoch 433] Loss: 0.0827, Supervised: 1.1953, Unsupervised: 0.0446, Acc: 97.71%

[Epoch 434] Loss: 0.0580, Supervised: 0.8335, Unsupervised: 0.0366, Acc: 98.02%

[Epoch 435] Loss: 0.0327, Supervised: 0.4444, Unsupervised: 0.0465, Acc: 99.06%

[Epoch 436] Loss: 0.0293, Supervised: 0.3977, Unsupervised: 0.0416, Acc: 99.17%

[Epoch 437] Loss: 0.0200, Supervised: 0.2534, Unsupervised: 0.0464, Acc: 99.27%

[Epoch 438] Loss: 0.0353, Supervised: 0.4881, Unsupervised: 0.0418, Acc: 99.06%

[Epoch 439] Loss: 0.0381, Supervised: 0.5318, Unsupervised: 0.0397, Acc: 98.65%

[Epoch 440] Loss: 0.0324, Supervised: 0.4446, Unsupervised: 0.0411, Acc: 98.75%

[Epoch 441] Loss: 0.0374, Supervised: 0.5187, Unsupervised: 0.0423, Acc: 98.85%

[Epoch 442] Loss: 0.0315, Supervised: 0.4257, Unsupervised: 0.0470, Acc: 99.06%

[Epoch 443] Loss: 0.0238, Supervised: 0.3147, Unsupervised: 0.0418, Acc: 99.38%

[Epoch 444] Loss: 0.0225, Supervised: 0.2985, Unsupervised: 0.0393, Acc: 99.27%

[Epoch 445] Loss: 0.0345, Supervised: 0.4807, Unsupervised: 0.0371, Acc: 98.96%

[Epoch 446] Loss: 0.0323, Supervised: 0.4456, Unsupervised: 0.0394, Acc: 99.17%

[Epoch 447] Loss: 0.0201, Supervised: 0.2599, Unsupervised: 0.0420, Acc: 99.27%

[Epoch 448] Loss: 0.0263, Supervised: 0.3533, Unsupervised: 0.0413, Acc: 99.17%

[Epoch 449] Loss: 0.0176, Supervised: 0.2292, Unsupervised: 0.0346, Acc: 99.69%

[Epoch 450] Loss: 0.0273, Supervised: 0.3723, Unsupervised: 0.0366, Acc: 99.58%

[Epoch 451] Loss: 0.0381, Supervised: 0.5275, Unsupervised: 0.0442, Acc: 98.75%

[Epoch 452] Loss: 0.0530, Supervised: 0.7527, Unsupervised: 0.0422, Acc: 99.27%

[Epoch 453] Loss: 0.0291, Supervised: 0.3949, Unsupervised: 0.0418, Acc: 99.06%

[Epoch 454] Loss: 0.0342, Supervised: 0.4711, Unsupervised: 0.0412, Acc: 98.54%

[Epoch 455] Loss: 0.0247, Supervised: 0.3282, Unsupervised: 0.0422, Acc: 99.58%

[Epoch 456] Loss: 0.0271, Supervised: 0.3670, Unsupervised: 0.0398, Acc: 99.38%

[Epoch 457] Loss: 0.0331, Supervised: 0.4639, Unsupervised: 0.0329, Acc: 98.65%

[Epoch 458] Loss: 0.0256, Supervised: 0.3369, Unsupervised: 0.0476, Acc: 99.48%

[Epoch 459] Loss: 0.0281, Supervised: 0.3760, Unsupervised: 0.0460, Acc: 99.06%

[Epoch 460] Loss: 0.0341, Supervised: 0.4658, Unsupervised: 0.0452, Acc: 98.96%

[Epoch 461] Loss: 0.0340, Supervised: 0.4663, Unsupervised: 0.0438, Acc: 98.75%

[Epoch 462] Loss: 0.0288, Supervised: 0.3924, Unsupervised: 0.0396, Acc: 98.85%

[Epoch 463] Loss: 0.0179, Supervised: 0.2358, Unsupervised: 0.0326, Acc: 99.48%

[Epoch 464] Loss: 0.0190, Supervised: 0.2442, Unsupervised: 0.0401, Acc: 99.69%

[Epoch 465] Loss: 0.0229, Supervised: 0.3068, Unsupervised: 0.0363, Acc: 99.06%

[Epoch 466] Loss: 0.0255, Supervised: 0.3391, Unsupervised: 0.0434, Acc: 99.27%

[Epoch 467] Loss: 0.0409, Supervised: 0.5814, Unsupervised: 0.0319, Acc: 99.17%

[Epoch 468] Loss: 0.0312, Supervised: 0.4303, Unsupervised: 0.0382, Acc: 99.17%

[Epoch 469] Loss: 0.0209, Supervised: 0.2739, Unsupervised: 0.0389, Acc: 99.48%

[Epoch 470] Loss: 0.0214, Supervised: 0.2910, Unsupervised: 0.0301, Acc: 99.48%

[Epoch 471] Loss: 0.0278, Supervised: 0.3805, Unsupervised: 0.0370, Acc: 99.17%

[Epoch 472] Loss: 0.0128, Supervised: 0.1491, Unsupervised: 0.0428, Acc: 99.90%

[Epoch 473] Loss: 0.0362, Supervised: 0.5018, Unsupervised: 0.0406, Acc: 99.17%

[Epoch 474] Loss: 0.0321, Supervised: 0.4376, Unsupervised: 0.0433, Acc: 99.38%

[Epoch 475] Loss: 0.0181, Supervised: 0.2270, Unsupervised: 0.0438, Acc: 99.58%

[Epoch 476] Loss: 0.0254, Supervised: 0.3384, Unsupervised: 0.0429, Acc: 99.48%

[Epoch 477] Loss: 0.0200, Supervised: 0.2562, Unsupervised: 0.0443, Acc: 99.69%

[Epoch 478] Loss: 0.0214, Supervised: 0.2835, Unsupervised: 0.0375, Acc: 99.38%

[Epoch 479] Loss: 0.0078, Supervised: 0.0846, Unsupervised: 0.0330, Acc: 99.90%

[Epoch 480] Loss: 0.0065, Supervised: 0.0651, Unsupervised: 0.0330, Acc: 100.00%

[Epoch 481] Loss: 0.0094, Supervised: 0.1099, Unsupervised: 0.0305, Acc: 99.79%

[Epoch 482] Loss: 0.0116, Supervised: 0.1334, Unsupervised: 0.0401, Acc: 99.79%

[Epoch 483] Loss: 0.0099, Supervised: 0.1177, Unsupervised: 0.0313, Acc: 99.79%

[Epoch 484] Loss: 0.0151, Supervised: 0.1927, Unsupervised: 0.0334, Acc: 99.58%

[Epoch 485] Loss: 0.0213, Supervised: 0.2874, Unsupervised: 0.0321, Acc: 99.38%

[Epoch 486] Loss: 0.0266, Supervised: 0.3701, Unsupervised: 0.0283, Acc: 99.27%

[Epoch 487] Loss: 0.0127, Supervised: 0.1583, Unsupervised: 0.0321, Acc: 99.48%

[Epoch 488] Loss: 0.0208, Supervised: 0.2769, Unsupervised: 0.0352, Acc: 99.48%

[Epoch 489] Loss: 0.0169, Supervised: 0.2193, Unsupervised: 0.0347, Acc: 99.69%

[Epoch 490] Loss: 0.0080, Supervised: 0.0911, Unsupervised: 0.0290, Acc: 99.90%

[Epoch 491] Loss: 0.0055, Supervised: 0.0474, Unsupervised: 0.0350, Acc: 100.00%

[Epoch 492] Loss: 0.0162, Supervised: 0.2059, Unsupervised: 0.0377, Acc: 99.58%

[Epoch 493] Loss: 0.0187, Supervised: 0.2463, Unsupervised: 0.0335, Acc: 99.79%

[Epoch 494] Loss: 0.0167, Supervised: 0.2088, Unsupervised: 0.0422, Acc: 99.79%

[Epoch 495] Loss: 0.0239, Supervised: 0.3208, Unsupervised: 0.0375, Acc: 99.17%

[Epoch 496] Loss: 0.0318, Supervised: 0.4435, Unsupervised: 0.0341, Acc: 98.96%

[Epoch 497] Loss: 0.0423, Supervised: 0.5854, Unsupervised: 0.0491, Acc: 99.06%

[Epoch 498] Loss: 0.0545, Supervised: 0.7810, Unsupervised: 0.0366, Acc: 98.02%

[Epoch 499] Loss: 0.0421, Supervised: 0.5878, Unsupervised: 0.0438, Acc: 98.85%

[Seed 2] Test Accuracy: 82.27%

FASHION\_MNIST | l=1000, p=0.3 => Accuracy: 83.75 ± 1.26

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

Files already downloaded and verified

Files already downloaded and verified

Dataset cifar10: 4000 labeled instances, 46000 unlabeled instances

Average number of candidates per labeled instance: 3.00

[Epoch 0] Loss: 2.3757, Supervised: 147.2859, Unsupervised: 0.0088, Acc: 20.79%

[Epoch 1] Loss: 1.8615, Supervised: 115.4065, Unsupervised: 0.0051, Acc: 30.75%

[Epoch 2] Loss: 1.7137, Supervised: 106.2406, Unsupervised: 0.0085, Acc: 36.67%

[Epoch 3] Loss: 1.6302, Supervised: 101.0665, Unsupervised: 0.0088, Acc: 39.54%

[Epoch 4] Loss: 1.5527, Supervised: 96.2548, Unsupervised: 0.0123, Acc: 43.60%

[Epoch 5] Loss: 1.4598, Supervised: 90.4865, Unsupervised: 0.0222, Acc: 47.15%

[Epoch 6] Loss: 1.4099, Supervised: 87.3821, Unsupervised: 0.0310, Acc: 48.79%

[Epoch 7] Loss: 1.3310, Supervised: 82.4594, Unsupervised: 0.0639, Acc: 50.78%

[Epoch 8] Loss: 1.2843, Supervised: 79.5698, Unsupervised: 0.0586, Acc: 53.38%

[Epoch 9] Loss: 1.2468, Supervised: 77.2150, Unsupervised: 0.0842, Acc: 54.84%

[Epoch 10] Loss: 1.2139, Supervised: 75.1686, Unsupervised: 0.0961, Acc: 55.87%

[Epoch 11] Loss: 1.1516, Supervised: 71.2824, Unsupervised: 0.1149, Acc: 58.69%

[Epoch 12] Loss: 1.0938, Supervised: 67.6752, Unsupervised: 0.1380, Acc: 61.27%

[Epoch 13] Loss: 1.0388, Supervised: 64.2458, Unsupervised: 0.1576, Acc: 62.70%

[Epoch 14] Loss: 1.0022, Supervised: 61.9816, Unsupervised: 0.1536, Acc: 64.09%

[Epoch 15] Loss: 0.9752, Supervised: 60.2962, Unsupervised: 0.1678, Acc: 65.35%

[Epoch 16] Loss: 0.9729, Supervised: 60.1467, Unsupervised: 0.1729, Acc: 65.55%

[Epoch 17] Loss: 0.8843, Supervised: 54.6231, Unsupervised: 0.2018, Acc: 68.88%

[Epoch 18] Loss: 0.8435, Supervised: 52.1141, Unsupervised: 0.1841, Acc: 70.21%

[Epoch 19] Loss: 0.8344, Supervised: 51.5182, Unsupervised: 0.2149, Acc: 70.46%

[Epoch 20] Loss: 0.7965, Supervised: 49.1680, Unsupervised: 0.2120, Acc: 71.95%

[Epoch 21] Loss: 0.8016, Supervised: 49.4827, Unsupervised: 0.2189, Acc: 71.80%

[Epoch 22] Loss: 0.7480, Supervised: 46.1370, Unsupervised: 0.2373, Acc: 73.56%

[Epoch 23] Loss: 0.7184, Supervised: 44.3144, Unsupervised: 0.2265, Acc: 74.65%

[Epoch 24] Loss: 0.6587, Supervised: 40.6014, Unsupervised: 0.2364, Acc: 76.81%

[Epoch 25] Loss: 0.6556, Supervised: 40.4010, Unsupervised: 0.2463, Acc: 76.41%

[Epoch 26] Loss: 0.6239, Supervised: 38.4199, Unsupervised: 0.2616, Acc: 77.49%

[Epoch 27] Loss: 0.5943, Supervised: 36.5885, Unsupervised: 0.2574, Acc: 79.46%

[Epoch 28] Loss: 0.5668, Supervised: 34.8693, Unsupervised: 0.2696, Acc: 79.89%

[Epoch 29] Loss: 0.5450, Supervised: 33.5167, Unsupervised: 0.2713, Acc: 80.49%

[Epoch 30] Loss: 0.5260, Supervised: 32.3558, Unsupervised: 0.2541, Acc: 81.02%

[Epoch 31] Loss: 0.5311, Supervised: 32.6756, Unsupervised: 0.2501, Acc: 80.80%

[Epoch 32] Loss: 0.4821, Supervised: 29.5979, Unsupervised: 0.2933, Acc: 82.86%

[Epoch 33] Loss: 0.4906, Supervised: 30.1316, Unsupervised: 0.2875, Acc: 82.74%

[Epoch 34] Loss: 0.4528, Supervised: 27.7987, Unsupervised: 0.2767, Acc: 83.77%

[Epoch 35] Loss: 0.4276, Supervised: 26.2493, Unsupervised: 0.2608, Acc: 84.73%

[Epoch 36] Loss: 0.4063, Supervised: 24.8927, Unsupervised: 0.2986, Acc: 85.53%

[Epoch 37] Loss: 0.4227, Supervised: 25.9168, Unsupervised: 0.2906, Acc: 85.36%

[Epoch 38] Loss: 0.3870, Supervised: 23.7287, Unsupervised: 0.2670, Acc: 86.87%

[Epoch 39] Loss: 0.3492, Supervised: 21.3777, Unsupervised: 0.2730, Acc: 87.75%

[Epoch 40] Loss: 0.3306, Supervised: 20.2102, Unsupervised: 0.2882, Acc: 88.46%

[Epoch 41] Loss: 0.3546, Supervised: 21.7156, Unsupervised: 0.2714, Acc: 87.40%

[Epoch 42] Loss: 0.3256, Supervised: 19.9305, Unsupervised: 0.2573, Acc: 88.61%

[Epoch 43] Loss: 0.2579, Supervised: 15.7253, Unsupervised: 0.2672, Acc: 90.90%

[Epoch 44] Loss: 0.2645, Supervised: 16.1181, Unsupervised: 0.2807, Acc: 90.35%

[Epoch 45] Loss: 0.2677, Supervised: 16.3185, Unsupervised: 0.2802, Acc: 90.22%

[Epoch 46] Loss: 0.2770, Supervised: 16.8930, Unsupervised: 0.2824, Acc: 89.79%

[Epoch 47] Loss: 0.3114, Supervised: 19.0403, Unsupervised: 0.2636, Acc: 89.19%

[Epoch 48] Loss: 0.2374, Supervised: 14.4235, Unsupervised: 0.2939, Acc: 91.81%

[Epoch 49] Loss: 0.2413, Supervised: 14.6668, Unsupervised: 0.2964, Acc: 91.38%

[Epoch 50] Loss: 0.2400, Supervised: 14.5879, Unsupervised: 0.2931, Acc: 91.61%

[Epoch 51] Loss: 0.2363, Supervised: 14.3677, Unsupervised: 0.2810, Acc: 91.71%

[Epoch 52] Loss: 0.2161, Supervised: 13.1166, Unsupervised: 0.2830, Acc: 92.74%

[Epoch 53] Loss: 0.2046, Supervised: 12.4110, Unsupervised: 0.2742, Acc: 93.07%

[Epoch 54] Loss: 0.1984, Supervised: 12.0286, Unsupervised: 0.2717, Acc: 93.04%

[Epoch 55] Loss: 0.2054, Supervised: 12.4631, Unsupervised: 0.2739, Acc: 92.74%

[Epoch 56] Loss: 0.1989, Supervised: 12.0580, Unsupervised: 0.2762, Acc: 93.27%

[Epoch 57] Loss: 0.1772, Supervised: 10.7214, Unsupervised: 0.2670, Acc: 93.93%

[Epoch 58] Loss: 0.1518, Supervised: 9.1567, Unsupervised: 0.2564, Acc: 94.93%

[Epoch 59] Loss: 0.1535, Supervised: 9.2456, Unsupervised: 0.2735, Acc: 94.91%

[Epoch 60] Loss: 0.1466, Supervised: 8.8242, Unsupervised: 0.2660, Acc: 94.53%

[Epoch 61] Loss: 0.1482, Supervised: 8.9262, Unsupervised: 0.2601, Acc: 94.98%

[Epoch 62] Loss: 0.1963, Supervised: 11.9151, Unsupervised: 0.2586, Acc: 92.77%

[Epoch 63] Loss: 0.1774, Supervised: 10.7394, Unsupervised: 0.2574, Acc: 94.28%

[Epoch 64] Loss: 0.1323, Supervised: 7.9086, Unsupervised: 0.2923, Acc: 95.49%

[Epoch 65] Loss: 0.1328, Supervised: 7.9819, Unsupervised: 0.2506, Acc: 95.51%

[Epoch 66] Loss: 0.1451, Supervised: 8.7363, Unsupervised: 0.2613, Acc: 94.61%

[Epoch 67] Loss: 0.1311, Supervised: 7.8658, Unsupervised: 0.2655, Acc: 95.82%

[Epoch 68] Loss: 0.1535, Supervised: 9.2353, Unsupervised: 0.2845, Acc: 94.96%

[Epoch 69] Loss: 0.1387, Supervised: 8.3155, Unsupervised: 0.2833, Acc: 95.34%

[Epoch 70] Loss: 0.1131, Supervised: 6.7642, Unsupervised: 0.2456, Acc: 96.32%

[Epoch 71] Loss: 0.1234, Supervised: 7.3846, Unsupervised: 0.2657, Acc: 95.84%

[Epoch 72] Loss: 0.1523, Supervised: 9.1819, Unsupervised: 0.2605, Acc: 95.14%

[Epoch 73] Loss: 0.1109, Supervised: 6.6238, Unsupervised: 0.2539, Acc: 96.47%

[Epoch 74] Loss: 0.0875, Supervised: 5.1779, Unsupervised: 0.2467, Acc: 97.08%

[Epoch 75] Loss: 0.0924, Supervised: 5.4832, Unsupervised: 0.2430, Acc: 96.80%

[Epoch 76] Loss: 0.1062, Supervised: 6.3312, Unsupervised: 0.2555, Acc: 96.62%

[Epoch 77] Loss: 0.1538, Supervised: 9.2886, Unsupervised: 0.2459, Acc: 94.93%

[Epoch 78] Loss: 0.1347, Supervised: 8.1057, Unsupervised: 0.2461, Acc: 95.34%

[Epoch 79] Loss: 0.1129, Supervised: 6.7491, Unsupervised: 0.2500, Acc: 95.92%

[Epoch 80] Loss: 0.1576, Supervised: 9.5094, Unsupervised: 0.2624, Acc: 94.78%

[Epoch 81] Loss: 0.1384, Supervised: 8.3171, Unsupervised: 0.2652, Acc: 95.49%

[Epoch 82] Loss: 0.0888, Supervised: 5.2404, Unsupervised: 0.2628, Acc: 97.25%

[Epoch 83] Loss: 0.1149, Supervised: 6.8714, Unsupervised: 0.2553, Acc: 96.02%

[Epoch 84] Loss: 0.0829, Supervised: 4.8982, Unsupervised: 0.2433, Acc: 97.25%

[Epoch 85] Loss: 0.0829, Supervised: 4.8956, Unsupervised: 0.2434, Acc: 97.48%

[Epoch 86] Loss: 0.0815, Supervised: 4.7889, Unsupervised: 0.2662, Acc: 97.33%

[Epoch 87] Loss: 0.0854, Supervised: 5.0469, Unsupervised: 0.2506, Acc: 97.20%

[Epoch 88] Loss: 0.0897, Supervised: 5.3121, Unsupervised: 0.2489, Acc: 96.98%

[Epoch 89] Loss: 0.0964, Supervised: 5.7317, Unsupervised: 0.2422, Acc: 96.75%

[Epoch 90] Loss: 0.0930, Supervised: 5.5168, Unsupervised: 0.2485, Acc: 97.00%

[Epoch 91] Loss: 0.1357, Supervised: 8.1719, Unsupervised: 0.2386, Acc: 95.54%

[Epoch 92] Loss: 0.1120, Supervised: 6.6918, Unsupervised: 0.2548, Acc: 96.22%

[Epoch 93] Loss: 0.0730, Supervised: 4.2742, Unsupervised: 0.2524, Acc: 97.83%

[Epoch 94] Loss: 0.1112, Supervised: 6.6377, Unsupervised: 0.2545, Acc: 96.60%

[Epoch 95] Loss: 0.0744, Supervised: 4.3663, Unsupervised: 0.2471, Acc: 97.45%

[Epoch 96] Loss: 0.0907, Supervised: 5.3814, Unsupervised: 0.2422, Acc: 96.77%

[Epoch 97] Loss: 0.0908, Supervised: 5.3743, Unsupervised: 0.2523, Acc: 96.98%

[Epoch 98] Loss: 0.0893, Supervised: 5.3013, Unsupervised: 0.2379, Acc: 97.25%

[Epoch 99] Loss: 0.0779, Supervised: 4.5893, Unsupervised: 0.2374, Acc: 97.56%

[Epoch 100] Loss: 0.0974, Supervised: 5.7927, Unsupervised: 0.2474, Acc: 96.88%

[Epoch 101] Loss: 0.0922, Supervised: 5.4660, Unsupervised: 0.2499, Acc: 96.95%

[Epoch 102] Loss: 0.0983, Supervised: 5.8481, Unsupervised: 0.2472, Acc: 96.77%

[Epoch 103] Loss: 0.1123, Supervised: 6.7294, Unsupervised: 0.2359, Acc: 96.22%

[Epoch 104] Loss: 0.0960, Supervised: 5.6967, Unsupervised: 0.2541, Acc: 97.13%

[Epoch 105] Loss: 0.0890, Supervised: 5.2551, Unsupervised: 0.2641, Acc: 96.85%

[Epoch 106] Loss: 0.0809, Supervised: 4.7810, Unsupervised: 0.2333, Acc: 97.38%

[Epoch 107] Loss: 0.0862, Supervised: 5.1207, Unsupervised: 0.2215, Acc: 97.33%

[Epoch 108] Loss: 0.0701, Supervised: 4.0977, Unsupervised: 0.2504, Acc: 97.45%

[Epoch 109] Loss: 0.0964, Supervised: 5.7159, Unsupervised: 0.2597, Acc: 97.10%

[Epoch 110] Loss: 0.0942, Supervised: 5.5951, Unsupervised: 0.2442, Acc: 96.75%

[Epoch 111] Loss: 0.0969, Supervised: 5.7719, Unsupervised: 0.2383, Acc: 96.80%

[Epoch 112] Loss: 0.0824, Supervised: 4.8588, Unsupervised: 0.2527, Acc: 97.23%

[Epoch 113] Loss: 0.0821, Supervised: 4.8416, Unsupervised: 0.2465, Acc: 97.38%

[Epoch 114] Loss: 0.0720, Supervised: 4.2240, Unsupervised: 0.2428, Acc: 97.63%

[Epoch 115] Loss: 0.0829, Supervised: 4.8883, Unsupervised: 0.2509, Acc: 97.23%

[Epoch 116] Loss: 0.1005, Supervised: 5.9980, Unsupervised: 0.2301, Acc: 96.70%

[Epoch 117] Loss: 0.0892, Supervised: 5.2921, Unsupervised: 0.2399, Acc: 96.93%

[Epoch 118] Loss: 0.1043, Supervised: 6.2118, Unsupervised: 0.2546, Acc: 96.82%

[Epoch 119] Loss: 0.1034, Supervised: 6.1683, Unsupervised: 0.2397, Acc: 97.05%

[Epoch 120] Loss: 0.0682, Supervised: 3.9824, Unsupervised: 0.2432, Acc: 97.86%

[Epoch 121] Loss: 0.0539, Supervised: 3.0909, Unsupervised: 0.2506, Acc: 98.24%

[Epoch 122] Loss: 0.0517, Supervised: 2.9481, Unsupervised: 0.2603, Acc: 98.46%

[Epoch 123] Loss: 0.0624, Supervised: 3.6620, Unsupervised: 0.2093, Acc: 98.16%

[Epoch 124] Loss: 0.0929, Supervised: 5.5107, Unsupervised: 0.2483, Acc: 96.93%

[Epoch 125] Loss: 0.0613, Supervised: 3.5596, Unsupervised: 0.2381, Acc: 98.01%

[Epoch 126] Loss: 0.0771, Supervised: 4.5521, Unsupervised: 0.2293, Acc: 97.51%

[Epoch 127] Loss: 0.1169, Supervised: 7.0133, Unsupervised: 0.2340, Acc: 96.27%

[Epoch 128] Loss: 0.1294, Supervised: 7.7743, Unsupervised: 0.2457, Acc: 95.84%

[Epoch 129] Loss: 0.0991, Supervised: 5.8950, Unsupervised: 0.2506, Acc: 96.90%

[Epoch 130] Loss: 0.0693, Supervised: 4.0360, Unsupervised: 0.2632, Acc: 98.01%

[Epoch 131] Loss: 0.0679, Supervised: 3.9623, Unsupervised: 0.2464, Acc: 97.91%

[Epoch 132] Loss: 0.0625, Supervised: 3.6285, Unsupervised: 0.2446, Acc: 98.08%

[Epoch 133] Loss: 0.0520, Supervised: 2.9666, Unsupervised: 0.2583, Acc: 98.41%

[Epoch 134] Loss: 0.0461, Supervised: 2.6198, Unsupervised: 0.2400, Acc: 98.61%

[Epoch 135] Loss: 0.0519, Supervised: 2.9677, Unsupervised: 0.2518, Acc: 98.31%

[Epoch 136] Loss: 0.0670, Supervised: 3.9228, Unsupervised: 0.2338, Acc: 97.86%

[Epoch 137] Loss: 0.0803, Supervised: 4.7430, Unsupervised: 0.2375, Acc: 97.40%

[Epoch 138] Loss: 0.1275, Supervised: 7.6384, Unsupervised: 0.2667, Acc: 96.02%

[Epoch 139] Loss: 0.0857, Supervised: 5.0545, Unsupervised: 0.2575, Acc: 97.25%

[Epoch 140] Loss: 0.1003, Supervised: 5.9713, Unsupervised: 0.2486, Acc: 96.55%

[Epoch 141] Loss: 0.0928, Supervised: 5.4933, Unsupervised: 0.2634, Acc: 97.20%

[Epoch 142] Loss: 0.0689, Supervised: 4.0424, Unsupervised: 0.2321, Acc: 97.98%

[Epoch 143] Loss: 0.0618, Supervised: 3.5916, Unsupervised: 0.2370, Acc: 98.29%

[Epoch 144] Loss: 0.0662, Supervised: 3.8678, Unsupervised: 0.2383, Acc: 98.03%

[Epoch 145] Loss: 0.0865, Supervised: 5.1245, Unsupervised: 0.2414, Acc: 97.00%

[Epoch 146] Loss: 0.0860, Supervised: 5.0847, Unsupervised: 0.2450, Acc: 97.38%

[Epoch 147] Loss: 0.0719, Supervised: 4.2216, Unsupervised: 0.2350, Acc: 97.81%

[Epoch 148] Loss: 0.0703, Supervised: 4.1286, Unsupervised: 0.2316, Acc: 97.86%

[Epoch 149] Loss: 0.0889, Supervised: 5.2702, Unsupervised: 0.2420, Acc: 97.23%

[Epoch 150] Loss: 0.0925, Supervised: 5.4916, Unsupervised: 0.2450, Acc: 96.88%

[Epoch 151] Loss: 0.0805, Supervised: 4.7526, Unsupervised: 0.2384, Acc: 97.38%

[Epoch 152] Loss: 0.0849, Supervised: 5.0272, Unsupervised: 0.2368, Acc: 97.15%

[Epoch 153] Loss: 0.1069, Supervised: 6.3877, Unsupervised: 0.2421, Acc: 96.47%

[Epoch 154] Loss: 0.1015, Supervised: 6.0388, Unsupervised: 0.2530, Acc: 96.80%

[Epoch 155] Loss: 0.0690, Supervised: 4.0458, Unsupervised: 0.2350, Acc: 97.86%

[Epoch 156] Loss: 0.0660, Supervised: 3.8514, Unsupervised: 0.2375, Acc: 97.83%

[Epoch 157] Loss: 0.0628, Supervised: 3.6517, Unsupervised: 0.2394, Acc: 98.08%

[Epoch 158] Loss: 0.0912, Supervised: 5.4099, Unsupervised: 0.2432, Acc: 97.00%

[Epoch 159] Loss: 0.0831, Supervised: 4.9030, Unsupervised: 0.2464, Acc: 97.25%

[Epoch 160] Loss: 0.0797, Supervised: 4.7142, Unsupervised: 0.2272, Acc: 97.58%

[Epoch 161] Loss: 0.0864, Supervised: 5.1080, Unsupervised: 0.2502, Acc: 96.82%

[Epoch 162] Loss: 0.1261, Supervised: 7.5691, Unsupervised: 0.2509, Acc: 96.27%

[Epoch 163] Loss: 0.1249, Supervised: 7.4956, Unsupervised: 0.2493, Acc: 95.99%

[Epoch 164] Loss: 0.0934, Supervised: 5.5411, Unsupervised: 0.2511, Acc: 97.18%

[Epoch 165] Loss: 0.0626, Supervised: 3.6443, Unsupervised: 0.2379, Acc: 97.96%

[Epoch 166] Loss: 0.0452, Supervised: 2.5631, Unsupervised: 0.2416, Acc: 98.74%

[Epoch 167] Loss: 0.0518, Supervised: 2.9865, Unsupervised: 0.2270, Acc: 98.46%

[Epoch 168] Loss: 0.0554, Supervised: 3.2112, Unsupervised: 0.2221, Acc: 98.21%

[Epoch 169] Loss: 0.0791, Supervised: 4.6821, Unsupervised: 0.2207, Acc: 97.40%

[Epoch 170] Loss: 0.1305, Supervised: 7.8484, Unsupervised: 0.2423, Acc: 95.54%

[Epoch 171] Loss: 0.1452, Supervised: 8.7435, Unsupervised: 0.2619, Acc: 95.34%

[Epoch 172] Loss: 0.0766, Supervised: 4.5198, Unsupervised: 0.2295, Acc: 97.40%

[Epoch 173] Loss: 0.0553, Supervised: 3.2008, Unsupervised: 0.2287, Acc: 98.39%

[Epoch 174] Loss: 0.0491, Supervised: 2.8074, Unsupervised: 0.2382, Acc: 98.49%

[Epoch 175] Loss: 0.0627, Supervised: 3.6574, Unsupervised: 0.2312, Acc: 98.06%

[Epoch 176] Loss: 0.0607, Supervised: 3.5395, Unsupervised: 0.2263, Acc: 98.01%

[Epoch 177] Loss: 0.0850, Supervised: 5.0398, Unsupervised: 0.2280, Acc: 97.53%

[Epoch 178] Loss: 0.1218, Supervised: 7.3117, Unsupervised: 0.2399, Acc: 96.35%

[Epoch 179] Loss: 0.1096, Supervised: 6.5450, Unsupervised: 0.2491, Acc: 96.52%

[Epoch 180] Loss: 0.0905, Supervised: 5.3760, Unsupervised: 0.2365, Acc: 97.28%

[Epoch 181] Loss: 0.0923, Supervised: 5.4765, Unsupervised: 0.2433, Acc: 97.51%

[Epoch 182] Loss: 0.0556, Supervised: 3.1952, Unsupervised: 0.2498, Acc: 98.24%

[Epoch 183] Loss: 0.0625, Supervised: 3.6383, Unsupervised: 0.2352, Acc: 98.03%

[Epoch 184] Loss: 0.0511, Supervised: 2.9257, Unsupervised: 0.2408, Acc: 98.49%

[Epoch 185] Loss: 0.0461, Supervised: 2.6567, Unsupervised: 0.2035, Acc: 98.49%

[Epoch 186] Loss: 0.0616, Supervised: 3.5958, Unsupervised: 0.2251, Acc: 98.01%

[Epoch 187] Loss: 0.1086, Supervised: 6.4874, Unsupervised: 0.2465, Acc: 96.42%

[Epoch 188] Loss: 0.1128, Supervised: 6.7540, Unsupervised: 0.2384, Acc: 96.04%

[Epoch 189] Loss: 0.1220, Supervised: 7.3018, Unsupervised: 0.2606, Acc: 96.19%

[Epoch 190] Loss: 0.1052, Supervised: 6.2823, Unsupervised: 0.2412, Acc: 96.80%

[Epoch 191] Loss: 0.0546, Supervised: 3.1290, Unsupervised: 0.2560, Acc: 98.59%

[Epoch 192] Loss: 0.0470, Supervised: 2.6799, Unsupervised: 0.2323, Acc: 98.44%

[Epoch 193] Loss: 0.0480, Supervised: 2.7529, Unsupervised: 0.2262, Acc: 98.36%

[Epoch 194] Loss: 0.0659, Supervised: 3.8561, Unsupervised: 0.2292, Acc: 97.98%

[Epoch 195] Loss: 0.0775, Supervised: 4.5681, Unsupervised: 0.2364, Acc: 97.68%

[Epoch 196] Loss: 0.0947, Supervised: 5.6365, Unsupervised: 0.2346, Acc: 96.82%

[Epoch 197] Loss: 0.1045, Supervised: 6.2381, Unsupervised: 0.2393, Acc: 96.70%

[Epoch 198] Loss: 0.1103, Supervised: 6.5947, Unsupervised: 0.2442, Acc: 96.60%

[Epoch 199] Loss: 0.1022, Supervised: 6.0851, Unsupervised: 0.2482, Acc: 96.85%

[Epoch 200] Loss: 0.0837, Supervised: 4.9393, Unsupervised: 0.2527, Acc: 97.43%

[Epoch 201] Loss: 0.0926, Supervised: 5.4936, Unsupervised: 0.2501, Acc: 97.05%

[Epoch 202] Loss: 0.0711, Supervised: 4.1603, Unsupervised: 0.2453, Acc: 97.88%

[Epoch 203] Loss: 0.0408, Supervised: 2.2980, Unsupervised: 0.2346, Acc: 98.84%

[Epoch 204] Loss: 0.0518, Supervised: 2.9668, Unsupervised: 0.2437, Acc: 98.51%

[Epoch 205] Loss: 0.0995, Supervised: 5.9453, Unsupervised: 0.2250, Acc: 96.98%

[Epoch 206] Loss: 0.0995, Supervised: 5.9097, Unsupervised: 0.2600, Acc: 96.52%

[Epoch 207] Loss: 0.0858, Supervised: 5.0909, Unsupervised: 0.2302, Acc: 97.13%

[Epoch 208] Loss: 0.1236, Supervised: 7.4171, Unsupervised: 0.2486, Acc: 95.89%

[Epoch 209] Loss: 0.1004, Supervised: 5.9569, Unsupervised: 0.2658, Acc: 96.85%

[Epoch 210] Loss: 0.0732, Supervised: 4.2899, Unsupervised: 0.2476, Acc: 97.66%

[Epoch 211] Loss: 0.0727, Supervised: 4.2532, Unsupervised: 0.2528, Acc: 97.88%

[Epoch 212] Loss: 0.0641, Supervised: 3.7452, Unsupervised: 0.2301, Acc: 98.03%

[Epoch 213] Loss: 0.0884, Supervised: 5.2369, Unsupervised: 0.2435, Acc: 97.18%

[Epoch 214] Loss: 0.0651, Supervised: 3.7938, Unsupervised: 0.2405, Acc: 98.03%

[Epoch 215] Loss: 0.0559, Supervised: 3.2357, Unsupervised: 0.2329, Acc: 98.16%

[Epoch 216] Loss: 0.0680, Supervised: 3.9846, Unsupervised: 0.2337, Acc: 98.01%

[Epoch 217] Loss: 0.0498, Supervised: 2.8482, Unsupervised: 0.2421, Acc: 98.61%

[Epoch 218] Loss: 0.0539, Supervised: 3.1088, Unsupervised: 0.2310, Acc: 98.41%

[Epoch 219] Loss: 0.0593, Supervised: 3.4426, Unsupervised: 0.2354, Acc: 98.06%

[Epoch 220] Loss: 0.0509, Supervised: 2.9180, Unsupervised: 0.2400, Acc: 98.49%

[Epoch 221] Loss: 0.0633, Supervised: 3.6954, Unsupervised: 0.2292, Acc: 97.98%

[Epoch 222] Loss: 0.1071, Supervised: 6.4213, Unsupervised: 0.2169, Acc: 96.42%

[Epoch 223] Loss: 0.1465, Supervised: 8.8429, Unsupervised: 0.2422, Acc: 95.29%

[Epoch 224] Loss: 0.0805, Supervised: 4.7356, Unsupervised: 0.2530, Acc: 97.38%

[Epoch 225] Loss: 0.0669, Supervised: 3.9112, Unsupervised: 0.2366, Acc: 97.86%

[Epoch 226] Loss: 0.0564, Supervised: 3.2656, Unsupervised: 0.2331, Acc: 98.36%

[Epoch 227] Loss: 0.0566, Supervised: 3.2872, Unsupervised: 0.2218, Acc: 98.36%

[Epoch 228] Loss: 0.0442, Supervised: 2.5303, Unsupervised: 0.2130, Acc: 98.79%

[Epoch 229] Loss: 0.0731, Supervised: 4.3039, Unsupervised: 0.2289, Acc: 97.78%

[Epoch 230] Loss: 0.0636, Supervised: 3.7148, Unsupervised: 0.2308, Acc: 97.86%

[Epoch 231] Loss: 0.0586, Supervised: 3.3965, Unsupervised: 0.2346, Acc: 98.29%

[Epoch 232] Loss: 0.0706, Supervised: 4.1447, Unsupervised: 0.2313, Acc: 97.63%

[Epoch 233] Loss: 0.0904, Supervised: 5.3769, Unsupervised: 0.2308, Acc: 97.23%

[Epoch 234] Loss: 0.0923, Supervised: 5.4883, Unsupervised: 0.2348, Acc: 97.13%

[Epoch 235] Loss: 0.0975, Supervised: 5.8102, Unsupervised: 0.2351, Acc: 97.00%

[Epoch 236] Loss: 0.0652, Supervised: 3.8187, Unsupervised: 0.2225, Acc: 97.98%

[Epoch 237] Loss: 0.0892, Supervised: 5.3100, Unsupervised: 0.2230, Acc: 97.13%

[Epoch 238] Loss: 0.0637, Supervised: 3.7085, Unsupervised: 0.2417, Acc: 98.06%

[Epoch 239] Loss: 0.0658, Supervised: 3.8415, Unsupervised: 0.2379, Acc: 98.01%

[Epoch 240] Loss: 0.0657, Supervised: 3.8475, Unsupervised: 0.2232, Acc: 97.93%

[Epoch 241] Loss: 0.0566, Supervised: 3.2927, Unsupervised: 0.2170, Acc: 98.16%

[Epoch 242] Loss: 0.0634, Supervised: 3.7174, Unsupervised: 0.2150, Acc: 97.91%

[Epoch 243] Loss: 0.0593, Supervised: 3.4512, Unsupervised: 0.2279, Acc: 98.31%

[Epoch 244] Loss: 0.0632, Supervised: 3.6961, Unsupervised: 0.2251, Acc: 98.01%

[Epoch 245] Loss: 0.0553, Supervised: 3.2104, Unsupervised: 0.2188, Acc: 98.34%

[Epoch 246] Loss: 0.0576, Supervised: 3.3474, Unsupervised: 0.2261, Acc: 98.29%

[Epoch 247] Loss: 0.0813, Supervised: 4.8046, Unsupervised: 0.2334, Acc: 97.51%

[Epoch 248] Loss: 0.0788, Supervised: 4.6470, Unsupervised: 0.2411, Acc: 97.56%

[Epoch 249] Loss: 0.0963, Supervised: 5.7311, Unsupervised: 0.2411, Acc: 97.03%

[Epoch 250] Loss: 0.1230, Supervised: 7.3730, Unsupervised: 0.2509, Acc: 95.94%

[Epoch 251] Loss: 0.0870, Supervised: 5.1605, Unsupervised: 0.2353, Acc: 97.35%

[Epoch 252] Loss: 0.0716, Supervised: 4.2092, Unsupervised: 0.2323, Acc: 97.96%

[Epoch 253] Loss: 0.0746, Supervised: 4.3806, Unsupervised: 0.2420, Acc: 97.81%

[Epoch 254] Loss: 0.0689, Supervised: 4.0323, Unsupervised: 0.2401, Acc: 97.98%

[Epoch 255] Loss: 0.0611, Supervised: 3.5555, Unsupervised: 0.2326, Acc: 97.91%

[Epoch 256] Loss: 0.0763, Supervised: 4.5127, Unsupervised: 0.2176, Acc: 97.71%

[Epoch 257] Loss: 0.0779, Supervised: 4.5992, Unsupervised: 0.2308, Acc: 97.40%

[Epoch 258] Loss: 0.0810, Supervised: 4.7981, Unsupervised: 0.2256, Acc: 97.13%

[Epoch 259] Loss: 0.0720, Supervised: 4.2298, Unsupervised: 0.2322, Acc: 97.51%

[Epoch 260] Loss: 0.0664, Supervised: 3.8851, Unsupervised: 0.2327, Acc: 97.78%

[Epoch 261] Loss: 0.0597, Supervised: 3.4855, Unsupervised: 0.2155, Acc: 98.08%

[Epoch 262] Loss: 0.0968, Supervised: 5.7666, Unsupervised: 0.2335, Acc: 97.13%

[Epoch 263] Loss: 0.0855, Supervised: 5.0478, Unsupervised: 0.2518, Acc: 97.20%

[Epoch 264] Loss: 0.0988, Supervised: 5.8889, Unsupervised: 0.2374, Acc: 96.72%

[Epoch 265] Loss: 0.0701, Supervised: 4.1074, Unsupervised: 0.2369, Acc: 97.71%

[Epoch 266] Loss: 0.0806, Supervised: 4.7707, Unsupervised: 0.2277, Acc: 97.23%

[Epoch 267] Loss: 0.0849, Supervised: 5.0187, Unsupervised: 0.2481, Acc: 97.48%

[Epoch 268] Loss: 0.0573, Supervised: 3.3250, Unsupervised: 0.2290, Acc: 98.16%

[Epoch 269] Loss: 0.0546, Supervised: 3.1469, Unsupervised: 0.2383, Acc: 98.51%

[Epoch 270] Loss: 0.0503, Supervised: 2.8868, Unsupervised: 0.2317, Acc: 98.49%

[Epoch 271] Loss: 0.0602, Supervised: 3.5169, Unsupervised: 0.2174, Acc: 98.26%

[Epoch 272] Loss: 0.0761, Supervised: 4.4902, Unsupervised: 0.2263, Acc: 97.53%

[Epoch 273] Loss: 0.0486, Supervised: 2.7763, Unsupervised: 0.2353, Acc: 98.49%

[Epoch 274] Loss: 0.0663, Supervised: 3.8730, Unsupervised: 0.2357, Acc: 97.93%

[Epoch 275] Loss: 0.0879, Supervised: 5.2087, Unsupervised: 0.2386, Acc: 97.18%

[Epoch 276] Loss: 0.1175, Supervised: 7.0524, Unsupervised: 0.2328, Acc: 96.19%

[Epoch 277] Loss: 0.0721, Supervised: 4.2391, Unsupervised: 0.2284, Acc: 97.91%

[Epoch 278] Loss: 0.0689, Supervised: 4.0510, Unsupervised: 0.2201, Acc: 97.66%

[Epoch 279] Loss: 0.0774, Supervised: 4.5822, Unsupervised: 0.2173, Acc: 97.66%

[Epoch 280] Loss: 0.0505, Supervised: 2.9122, Unsupervised: 0.2179, Acc: 98.46%

[Epoch 281] Loss: 0.0482, Supervised: 2.7450, Unsupervised: 0.2432, Acc: 98.51%

[Epoch 282] Loss: 0.0780, Supervised: 4.6165, Unsupervised: 0.2203, Acc: 97.66%

[Epoch 283] Loss: 0.0821, Supervised: 4.8421, Unsupervised: 0.2495, Acc: 97.25%

[Epoch 284] Loss: 0.0691, Supervised: 4.0520, Unsupervised: 0.2331, Acc: 97.91%

[Epoch 285] Loss: 0.0656, Supervised: 3.8589, Unsupervised: 0.2068, Acc: 98.01%

[Epoch 286] Loss: 0.0467, Supervised: 2.6886, Unsupervised: 0.2069, Acc: 98.46%

[Epoch 287] Loss: 0.0554, Supervised: 3.1919, Unsupervised: 0.2404, Acc: 98.16%

[Epoch 288] Loss: 0.0469, Supervised: 2.6724, Unsupervised: 0.2376, Acc: 98.64%

[Epoch 289] Loss: 0.0709, Supervised: 4.1683, Unsupervised: 0.2255, Acc: 97.83%

[Epoch 290] Loss: 0.0684, Supervised: 4.0055, Unsupervised: 0.2351, Acc: 97.51%

[Epoch 291] Loss: 0.0821, Supervised: 4.8815, Unsupervised: 0.2091, Acc: 97.45%

[Epoch 292] Loss: 0.1005, Supervised: 6.0057, Unsupervised: 0.2270, Acc: 96.98%

[Epoch 293] Loss: 0.0799, Supervised: 4.7230, Unsupervised: 0.2280, Acc: 97.35%

[Epoch 294] Loss: 0.0834, Supervised: 4.9055, Unsupervised: 0.2648, Acc: 97.25%

[Epoch 295] Loss: 0.0656, Supervised: 3.8453, Unsupervised: 0.2216, Acc: 97.83%

[Epoch 296] Loss: 0.0726, Supervised: 4.2405, Unsupervised: 0.2604, Acc: 97.66%

[Epoch 297] Loss: 0.0702, Supervised: 4.1338, Unsupervised: 0.2178, Acc: 97.81%

[Epoch 298] Loss: 0.0628, Supervised: 3.6669, Unsupervised: 0.2270, Acc: 98.03%

[Epoch 299] Loss: 0.0714, Supervised: 4.1733, Unsupervised: 0.2542, Acc: 97.76%

[Epoch 300] Loss: 0.0757, Supervised: 4.4601, Unsupervised: 0.2320, Acc: 97.81%

[Epoch 301] Loss: 0.0647, Supervised: 3.7606, Unsupervised: 0.2483, Acc: 97.93%

[Epoch 302] Loss: 0.1141, Supervised: 6.8601, Unsupervised: 0.2161, Acc: 96.45%

[Epoch 303] Loss: 0.1014, Supervised: 6.0473, Unsupervised: 0.2411, Acc: 97.08%

[Epoch 304] Loss: 0.0581, Supervised: 3.3892, Unsupervised: 0.2120, Acc: 98.11%

[Epoch 305] Loss: 0.0273, Supervised: 1.4677, Unsupervised: 0.2258, Acc: 99.24%

[Epoch 306] Loss: 0.0317, Supervised: 1.7528, Unsupervised: 0.2116, Acc: 99.02%

[Epoch 307] Loss: 0.0482, Supervised: 2.7898, Unsupervised: 0.2005, Acc: 98.51%

[Epoch 308] Loss: 0.0546, Supervised: 3.1587, Unsupervised: 0.2281, Acc: 98.51%

[Epoch 309] Loss: 0.0859, Supervised: 5.0971, Unsupervised: 0.2290, Acc: 97.20%

[Epoch 310] Loss: 0.1123, Supervised: 6.7303, Unsupervised: 0.2300, Acc: 96.22%

[Epoch 311] Loss: 0.0916, Supervised: 5.4400, Unsupervised: 0.2377, Acc: 97.03%

[Epoch 312] Loss: 0.0710, Supervised: 4.1753, Unsupervised: 0.2264, Acc: 97.78%

[Epoch 313] Loss: 0.0654, Supervised: 3.8353, Unsupervised: 0.2219, Acc: 98.01%

[Epoch 314] Loss: 0.0595, Supervised: 3.4491, Unsupervised: 0.2407, Acc: 98.06%

[Epoch 315] Loss: 0.0451, Supervised: 2.5794, Unsupervised: 0.2149, Acc: 98.74%

[Epoch 316] Loss: 0.0409, Supervised: 2.3230, Unsupervised: 0.2154, Acc: 98.74%

[Epoch 317] Loss: 0.0715, Supervised: 4.2018, Unsupervised: 0.2313, Acc: 97.73%

[Epoch 318] Loss: 0.0976, Supervised: 5.8096, Unsupervised: 0.2403, Acc: 96.95%

[Epoch 319] Loss: 0.0670, Supervised: 3.9216, Unsupervised: 0.2334, Acc: 97.93%

[Epoch 320] Loss: 0.0670, Supervised: 3.9096, Unsupervised: 0.2432, Acc: 98.06%

[Epoch 321] Loss: 0.0707, Supervised: 4.1540, Unsupervised: 0.2270, Acc: 97.81%

[Epoch 322] Loss: 0.0564, Supervised: 3.2746, Unsupervised: 0.2201, Acc: 98.26%

[Epoch 323] Loss: 0.0518, Supervised: 2.9966, Unsupervised: 0.2147, Acc: 98.26%

[Epoch 324] Loss: 0.0792, Supervised: 4.6907, Unsupervised: 0.2206, Acc: 97.68%

[Epoch 325] Loss: 0.0975, Supervised: 5.8084, Unsupervised: 0.2336, Acc: 96.90%

[Epoch 326] Loss: 0.0427, Supervised: 2.4365, Unsupervised: 0.2137, Acc: 98.89%

[Epoch 327] Loss: 0.0476, Supervised: 2.7345, Unsupervised: 0.2193, Acc: 98.51%

[Epoch 328] Loss: 0.0437, Supervised: 2.5055, Unsupervised: 0.2046, Acc: 98.69%

[Epoch 329] Loss: 0.0476, Supervised: 2.7295, Unsupervised: 0.2213, Acc: 98.51%

[Epoch 330] Loss: 0.0775, Supervised: 4.5839, Unsupervised: 0.2210, Acc: 97.58%

[Epoch 331] Loss: 0.1003, Supervised: 5.9851, Unsupervised: 0.2352, Acc: 96.62%

[Epoch 332] Loss: 0.1045, Supervised: 6.2424, Unsupervised: 0.2357, Acc: 96.70%

[Epoch 333] Loss: 0.0585, Supervised: 3.4029, Unsupervised: 0.2210, Acc: 98.19%

[Epoch 334] Loss: 0.0649, Supervised: 3.8095, Unsupervised: 0.2141, Acc: 97.98%

[Epoch 335] Loss: 0.0658, Supervised: 3.8610, Unsupervised: 0.2217, Acc: 97.88%

[Epoch 336] Loss: 0.0867, Supervised: 5.1549, Unsupervised: 0.2221, Acc: 97.25%

[Epoch 337] Loss: 0.0373, Supervised: 2.0967, Unsupervised: 0.2131, Acc: 98.87%

[Epoch 338] Loss: 0.0372, Supervised: 2.0991, Unsupervised: 0.2082, Acc: 98.66%

[Epoch 339] Loss: 0.0798, Supervised: 4.7220, Unsupervised: 0.2286, Acc: 97.30%

[Epoch 340] Loss: 0.0839, Supervised: 4.9684, Unsupervised: 0.2353, Acc: 97.23%

[Epoch 341] Loss: 0.0866, Supervised: 5.1221, Unsupervised: 0.2493, Acc: 97.63%

[Epoch 342] Loss: 0.0851, Supervised: 5.0581, Unsupervised: 0.2206, Acc: 97.23%

[Epoch 343] Loss: 0.0527, Supervised: 3.0436, Unsupervised: 0.2257, Acc: 98.49%

[Epoch 344] Loss: 0.0493, Supervised: 2.8324, Unsupervised: 0.2239, Acc: 98.39%

[Epoch 345] Loss: 0.0660, Supervised: 3.8676, Unsupervised: 0.2226, Acc: 97.91%

[Epoch 346] Loss: 0.0660, Supervised: 3.8733, Unsupervised: 0.2158, Acc: 97.91%

[Epoch 347] Loss: 0.0686, Supervised: 4.0314, Unsupervised: 0.2242, Acc: 97.76%

[Epoch 348] Loss: 0.0400, Supervised: 2.2608, Unsupervised: 0.2167, Acc: 98.89%

[Epoch 349] Loss: 0.0369, Supervised: 2.0715, Unsupervised: 0.2188, Acc: 98.74%

[Epoch 350] Loss: 0.0446, Supervised: 2.5517, Unsupervised: 0.2108, Acc: 98.51%

[Epoch 351] Loss: 0.0824, Supervised: 4.8706, Unsupervised: 0.2386, Acc: 97.35%

[Epoch 352] Loss: 0.0674, Supervised: 3.9716, Unsupervised: 0.2064, Acc: 98.01%

[Epoch 353] Loss: 0.0936, Supervised: 5.5797, Unsupervised: 0.2229, Acc: 96.93%

[Epoch 354] Loss: 0.0661, Supervised: 3.8884, Unsupervised: 0.2113, Acc: 97.93%

[Epoch 355] Loss: 0.0834, Supervised: 4.9478, Unsupervised: 0.2206, Acc: 97.63%

[Epoch 356] Loss: 0.0734, Supervised: 4.3294, Unsupervised: 0.2229, Acc: 97.96%

[Epoch 357] Loss: 0.0470, Supervised: 2.7166, Unsupervised: 0.1958, Acc: 98.71%

[Epoch 358] Loss: 0.0424, Supervised: 2.4195, Unsupervised: 0.2118, Acc: 98.77%

[Epoch 359] Loss: 0.0592, Supervised: 3.4522, Unsupervised: 0.2196, Acc: 98.16%

[Epoch 360] Loss: 0.0478, Supervised: 2.7516, Unsupervised: 0.2137, Acc: 98.61%

[Epoch 361] Loss: 0.0447, Supervised: 2.5523, Unsupervised: 0.2202, Acc: 98.51%

[Epoch 362] Loss: 0.0974, Supervised: 5.7942, Unsupervised: 0.2467, Acc: 96.85%

[Epoch 363] Loss: 0.1129, Supervised: 6.7697, Unsupervised: 0.2273, Acc: 96.32%

[Epoch 364] Loss: 0.0642, Supervised: 3.7447, Unsupervised: 0.2363, Acc: 97.93%

[Epoch 365] Loss: 0.1022, Supervised: 6.1058, Unsupervised: 0.2289, Acc: 97.00%

[Epoch 366] Loss: 0.0879, Supervised: 5.2140, Unsupervised: 0.2337, Acc: 97.18%

[Epoch 367] Loss: 0.0797, Supervised: 4.7009, Unsupervised: 0.2422, Acc: 97.81%

[Epoch 368] Loss: 0.0584, Supervised: 3.3874, Unsupervised: 0.2356, Acc: 98.24%

[Epoch 369] Loss: 0.0453, Supervised: 2.5794, Unsupervised: 0.2295, Acc: 98.69%

[Epoch 370] Loss: 0.0386, Supervised: 2.1841, Unsupervised: 0.2066, Acc: 98.92%

[Epoch 371] Loss: 0.0320, Supervised: 1.7775, Unsupervised: 0.2091, Acc: 98.92%

[Epoch 372] Loss: 0.0454, Supervised: 2.5880, Unsupervised: 0.2273, Acc: 98.82%

[Epoch 373] Loss: 0.0577, Supervised: 3.3610, Unsupervised: 0.2163, Acc: 98.11%

[Epoch 374] Loss: 0.0743, Supervised: 4.3865, Unsupervised: 0.2184, Acc: 97.43%

[Epoch 375] Loss: 0.0914, Supervised: 5.4410, Unsupervised: 0.2267, Acc: 97.08%

[Epoch 376] Loss: 0.0790, Supervised: 4.6697, Unsupervised: 0.2259, Acc: 97.58%

[Epoch 377] Loss: 0.0830, Supervised: 4.9138, Unsupervised: 0.2319, Acc: 97.25%

[Epoch 378] Loss: 0.0769, Supervised: 4.5426, Unsupervised: 0.2223, Acc: 97.73%

[Epoch 379] Loss: 0.0512, Supervised: 2.9490, Unsupervised: 0.2238, Acc: 98.49%

[Epoch 380] Loss: 0.0574, Supervised: 3.3249, Unsupervised: 0.2322, Acc: 98.41%

[Epoch 381] Loss: 0.0510, Supervised: 2.9624, Unsupervised: 0.2011, Acc: 98.31%

[Epoch 382] Loss: 0.0810, Supervised: 4.8121, Unsupervised: 0.2082, Acc: 97.56%

[Epoch 383] Loss: 0.0721, Supervised: 4.2544, Unsupervised: 0.2177, Acc: 97.35%

[Epoch 384] Loss: 0.0556, Supervised: 3.2199, Unsupervised: 0.2275, Acc: 98.34%

[Epoch 385] Loss: 0.0630, Supervised: 3.6948, Unsupervised: 0.2101, Acc: 98.19%

[Epoch 386] Loss: 0.0660, Supervised: 3.8575, Unsupervised: 0.2359, Acc: 97.78%

[Epoch 387] Loss: 0.0757, Supervised: 4.4682, Unsupervised: 0.2235, Acc: 97.61%

[Epoch 388] Loss: 0.0886, Supervised: 5.2553, Unsupervised: 0.2393, Acc: 97.08%

[Epoch 389] Loss: 0.0774, Supervised: 4.5747, Unsupervised: 0.2263, Acc: 97.78%

[Epoch 390] Loss: 0.0654, Supervised: 3.8376, Unsupervised: 0.2174, Acc: 98.34%

[Epoch 391] Loss: 0.0604, Supervised: 3.5275, Unsupervised: 0.2180, Acc: 98.03%

[Epoch 392] Loss: 0.0862, Supervised: 5.1104, Unsupervised: 0.2333, Acc: 97.30%

[Epoch 393] Loss: 0.0602, Supervised: 3.4902, Unsupervised: 0.2429, Acc: 98.26%

[Epoch 394] Loss: 0.0550, Supervised: 3.1867, Unsupervised: 0.2216, Acc: 98.46%

[Epoch 395] Loss: 0.0483, Supervised: 2.7757, Unsupervised: 0.2218, Acc: 98.46%

[Epoch 396] Loss: 0.0434, Supervised: 2.4749, Unsupervised: 0.2166, Acc: 98.51%

[Epoch 397] Loss: 0.0571, Supervised: 3.3056, Unsupervised: 0.2319, Acc: 98.34%

[Epoch 398] Loss: 0.0775, Supervised: 4.5878, Unsupervised: 0.2202, Acc: 97.35%

[Epoch 399] Loss: 0.0525, Supervised: 3.0285, Unsupervised: 0.2251, Acc: 98.24%

[Epoch 400] Loss: 0.0583, Supervised: 3.4056, Unsupervised: 0.2108, Acc: 98.46%

[Epoch 401] Loss: 0.0697, Supervised: 4.0989, Unsupervised: 0.2229, Acc: 97.88%

[Epoch 402] Loss: 0.0777, Supervised: 4.6126, Unsupervised: 0.2040, Acc: 97.28%

[Epoch 403] Loss: 0.0833, Supervised: 4.9389, Unsupervised: 0.2274, Acc: 97.33%

[Epoch 404] Loss: 0.1153, Supervised: 6.9117, Unsupervised: 0.2350, Acc: 96.42%

[Epoch 405] Loss: 0.0683, Supervised: 4.0161, Unsupervised: 0.2181, Acc: 98.01%

[Epoch 406] Loss: 0.0588, Supervised: 3.4165, Unsupervised: 0.2274, Acc: 98.08%

[Epoch 407] Loss: 0.0515, Supervised: 2.9838, Unsupervised: 0.2108, Acc: 98.44%

[Epoch 408] Loss: 0.0709, Supervised: 4.1668, Unsupervised: 0.2263, Acc: 97.76%

[Epoch 409] Loss: 0.0878, Supervised: 5.2084, Unsupervised: 0.2322, Acc: 97.38%

[Epoch 410] Loss: 0.0788, Supervised: 4.6553, Unsupervised: 0.2333, Acc: 97.66%

[Epoch 411] Loss: 0.0576, Supervised: 3.3566, Unsupervised: 0.2158, Acc: 98.19%

[Epoch 412] Loss: 0.0544, Supervised: 3.1612, Unsupervised: 0.2118, Acc: 98.34%

[Epoch 413] Loss: 0.0510, Supervised: 2.9533, Unsupervised: 0.2111, Acc: 98.66%

[Epoch 414] Loss: 0.0545, Supervised: 3.1492, Unsupervised: 0.2320, Acc: 98.36%

[Epoch 415] Loss: 0.0682, Supervised: 3.9975, Unsupervised: 0.2301, Acc: 97.83%

[Epoch 416] Loss: 0.0799, Supervised: 4.7435, Unsupervised: 0.2099, Acc: 97.63%

[Epoch 417] Loss: 0.0800, Supervised: 4.7257, Unsupervised: 0.2335, Acc: 97.58%

[Epoch 418] Loss: 0.0817, Supervised: 4.8274, Unsupervised: 0.2397, Acc: 97.40%

[Epoch 419] Loss: 0.0721, Supervised: 4.2541, Unsupervised: 0.2190, Acc: 98.01%

[Epoch 420] Loss: 0.0773, Supervised: 4.5596, Unsupervised: 0.2334, Acc: 97.78%

[Epoch 421] Loss: 0.0690, Supervised: 4.0701, Unsupervised: 0.2090, Acc: 97.96%

[Epoch 422] Loss: 0.0384, Supervised: 2.1714, Unsupervised: 0.2116, Acc: 98.89%

[Epoch 423] Loss: 0.0376, Supervised: 2.1156, Unsupervised: 0.2175, Acc: 98.84%

[Epoch 424] Loss: 0.0382, Supervised: 2.1714, Unsupervised: 0.1971, Acc: 99.04%

[Epoch 425] Loss: 0.0544, Supervised: 3.1496, Unsupervised: 0.2230, Acc: 98.34%

[Epoch 426] Loss: 0.0599, Supervised: 3.4901, Unsupervised: 0.2217, Acc: 98.24%

[Epoch 427] Loss: 0.0596, Supervised: 3.4705, Unsupervised: 0.2222, Acc: 98.29%

[Epoch 428] Loss: 0.0465, Supervised: 2.6766, Unsupervised: 0.2053, Acc: 98.56%

[Epoch 429] Loss: 0.0335, Supervised: 1.8672, Unsupervised: 0.2091, Acc: 99.07%

[Epoch 430] Loss: 0.0371, Supervised: 2.0791, Unsupervised: 0.2223, Acc: 98.97%

[Epoch 431] Loss: 0.0654, Supervised: 3.8310, Unsupervised: 0.2239, Acc: 98.14%

[Epoch 432] Loss: 0.1061, Supervised: 6.3612, Unsupervised: 0.2166, Acc: 96.50%

[Epoch 433] Loss: 0.0745, Supervised: 4.3807, Unsupervised: 0.2364, Acc: 97.48%

[Epoch 434] Loss: 0.0605, Supervised: 3.5246, Unsupervised: 0.2288, Acc: 98.19%

[Epoch 435] Loss: 0.0445, Supervised: 2.5598, Unsupervised: 0.2011, Acc: 98.46%

[Epoch 436] Loss: 0.0539, Supervised: 3.1366, Unsupervised: 0.2048, Acc: 98.44%

[Epoch 437] Loss: 0.0682, Supervised: 4.0021, Unsupervised: 0.2236, Acc: 98.11%

[Epoch 438] Loss: 0.0472, Supervised: 2.7183, Unsupervised: 0.2109, Acc: 98.71%

[Epoch 439] Loss: 0.0729, Supervised: 4.3096, Unsupervised: 0.2106, Acc: 97.68%

[Epoch 440] Loss: 0.0794, Supervised: 4.6861, Unsupervised: 0.2338, Acc: 97.58%

[Epoch 441] Loss: 0.0674, Supervised: 3.9482, Unsupervised: 0.2334, Acc: 97.88%

[Epoch 442] Loss: 0.0612, Supervised: 3.5774, Unsupervised: 0.2169, Acc: 98.24%

[Epoch 443] Loss: 0.0637, Supervised: 3.7331, Unsupervised: 0.2172, Acc: 97.88%

[Epoch 444] Loss: 0.0542, Supervised: 3.1322, Unsupervised: 0.2289, Acc: 98.36%

[Epoch 445] Loss: 0.0594, Supervised: 3.4731, Unsupervised: 0.2112, Acc: 98.29%

[Epoch 446] Loss: 0.0572, Supervised: 3.3337, Unsupervised: 0.2119, Acc: 98.36%

[Epoch 447] Loss: 0.0394, Supervised: 2.2396, Unsupervised: 0.2040, Acc: 98.74%

[Epoch 448] Loss: 0.0262, Supervised: 1.4330, Unsupervised: 0.1929, Acc: 99.29%

[Epoch 449] Loss: 0.0411, Supervised: 2.3462, Unsupervised: 0.2006, Acc: 98.66%

[Epoch 450] Loss: 0.0724, Supervised: 4.2740, Unsupervised: 0.2145, Acc: 97.76%

[Epoch 451] Loss: 0.0991, Supervised: 5.9231, Unsupervised: 0.2237, Acc: 96.88%

[Epoch 452] Loss: 0.0775, Supervised: 4.5793, Unsupervised: 0.2267, Acc: 97.35%

[Epoch 453] Loss: 0.0668, Supervised: 3.9175, Unsupervised: 0.2254, Acc: 98.29%

[Epoch 454] Loss: 0.0532, Supervised: 3.0776, Unsupervised: 0.2185, Acc: 98.16%

[Epoch 455] Loss: 0.0419, Supervised: 2.3838, Unsupervised: 0.2168, Acc: 98.69%

[Epoch 456] Loss: 0.0612, Supervised: 3.5811, Unsupervised: 0.2144, Acc: 98.46%

[Epoch 457] Loss: 0.0664, Supervised: 3.8918, Unsupervised: 0.2270, Acc: 98.16%

[Epoch 458] Loss: 0.0528, Supervised: 3.0571, Unsupervised: 0.2179, Acc: 98.59%

[Epoch 459] Loss: 0.0787, Supervised: 4.6606, Unsupervised: 0.2207, Acc: 97.48%

[Epoch 460] Loss: 0.0937, Supervised: 5.5655, Unsupervised: 0.2459, Acc: 96.88%

[Epoch 461] Loss: 0.0787, Supervised: 4.6658, Unsupervised: 0.2151, Acc: 97.48%

[Epoch 462] Loss: 0.0730, Supervised: 4.2866, Unsupervised: 0.2368, Acc: 97.83%

[Epoch 463] Loss: 0.0941, Supervised: 5.6093, Unsupervised: 0.2238, Acc: 97.15%

[Epoch 464] Loss: 0.0884, Supervised: 5.2479, Unsupervised: 0.2356, Acc: 97.28%

[Epoch 465] Loss: 0.0674, Supervised: 3.9430, Unsupervised: 0.2373, Acc: 97.93%

[Epoch 466] Loss: 0.0600, Supervised: 3.4997, Unsupervised: 0.2207, Acc: 98.19%

[Epoch 467] Loss: 0.0629, Supervised: 3.6714, Unsupervised: 0.2294, Acc: 97.96%

[Epoch 468] Loss: 0.0614, Supervised: 3.5717, Unsupervised: 0.2362, Acc: 98.16%

[Epoch 469] Loss: 0.0552, Supervised: 3.1940, Unsupervised: 0.2300, Acc: 98.34%

[Epoch 470] Loss: 0.0403, Supervised: 2.2829, Unsupervised: 0.2179, Acc: 98.79%

[Epoch 471] Loss: 0.0433, Supervised: 2.4807, Unsupervised: 0.2029, Acc: 98.56%

[Epoch 472] Loss: 0.0516, Supervised: 2.9751, Unsupervised: 0.2224, Acc: 98.49%

[Epoch 473] Loss: 0.0633, Supervised: 3.6937, Unsupervised: 0.2314, Acc: 97.98%

[Epoch 474] Loss: 0.0728, Supervised: 4.2882, Unsupervised: 0.2248, Acc: 97.61%

[Epoch 475] Loss: 0.0719, Supervised: 4.2345, Unsupervised: 0.2236, Acc: 97.93%

[Epoch 476] Loss: 0.0454, Supervised: 2.6139, Unsupervised: 0.2030, Acc: 98.59%

[Epoch 477] Loss: 0.0563, Supervised: 3.2715, Unsupervised: 0.2200, Acc: 98.24%

[Epoch 478] Loss: 0.0844, Supervised: 5.0140, Unsupervised: 0.2160, Acc: 97.58%

[Epoch 479] Loss: 0.0772, Supervised: 4.5685, Unsupervised: 0.2203, Acc: 97.51%

[Epoch 480] Loss: 0.0655, Supervised: 3.8439, Unsupervised: 0.2172, Acc: 98.14%

[Epoch 481] Loss: 0.0451, Supervised: 2.5634, Unsupervised: 0.2355, Acc: 98.74%

[Epoch 482] Loss: 0.0376, Supervised: 2.1257, Unsupervised: 0.2042, Acc: 98.89%

[Epoch 483] Loss: 0.0318, Supervised: 1.7490, Unsupervised: 0.2249, Acc: 99.04%

[Epoch 484] Loss: 0.0192, Supervised: 0.9930, Unsupervised: 0.1971, Acc: 99.62%

[Epoch 485] Loss: 0.0229, Supervised: 1.2273, Unsupervised: 0.1913, Acc: 99.29%

[Epoch 486] Loss: 0.0426, Supervised: 2.4381, Unsupervised: 0.2040, Acc: 98.77%

[Epoch 487] Loss: 0.0511, Supervised: 2.9616, Unsupervised: 0.2061, Acc: 98.44%

[Epoch 488] Loss: 0.0843, Supervised: 5.0058, Unsupervised: 0.2199, Acc: 97.15%

[Epoch 489] Loss: 0.1179, Supervised: 7.0871, Unsupervised: 0.2224, Acc: 96.35%

[Epoch 490] Loss: 0.1071, Supervised: 6.4041, Unsupervised: 0.2369, Acc: 96.67%

[Epoch 491] Loss: 0.0810, Supervised: 4.7908, Unsupervised: 0.2300, Acc: 97.53%

[Epoch 492] Loss: 0.0458, Supervised: 2.6241, Unsupervised: 0.2165, Acc: 98.59%

[Epoch 493] Loss: 0.0322, Supervised: 1.7887, Unsupervised: 0.2067, Acc: 99.04%

[Epoch 494] Loss: 0.0418, Supervised: 2.3779, Unsupervised: 0.2154, Acc: 98.71%

[Epoch 495] Loss: 0.0698, Supervised: 4.1034, Unsupervised: 0.2251, Acc: 98.16%

[Epoch 496] Loss: 0.0662, Supervised: 3.8778, Unsupervised: 0.2264, Acc: 97.78%

[Epoch 497] Loss: 0.0860, Supervised: 5.1120, Unsupervised: 0.2176, Acc: 97.20%

[Epoch 498] Loss: 0.0649, Supervised: 3.8068, Unsupervised: 0.2153, Acc: 97.91%

[Epoch 499] Loss: 0.0517, Supervised: 2.9879, Unsupervised: 0.2145, Acc: 98.44%

[Seed 0] Test Accuracy: 76.35%

Running experiment: cifar10 | l=4000 | p=0.3 | seed=1

Files already downloaded and verified

Files already downloaded and verified

Dataset cifar10: 4000 labeled instances, 46000 unlabeled instances

Average number of candidates per labeled instance: 3.00

[Epoch 0] Loss: 2.3302, Supervised: 144.4626, Unsupervised: 0.0110, Acc: 20.82%

[Epoch 1] Loss: 1.9817, Supervised: 122.8547, Unsupervised: 0.0121, Acc: 29.64%

[Epoch 2] Loss: 1.7525, Supervised: 108.6461, Unsupervised: 0.0080, Acc: 35.41%

[Epoch 3] Loss: 1.6973, Supervised: 105.2171, Unsupervised: 0.0141, Acc: 37.37%

[Epoch 4] Loss: 1.5983, Supervised: 99.0806, Unsupervised: 0.0118, Acc: 40.78%

[Epoch 5] Loss: 1.4944, Supervised: 92.6328, Unsupervised: 0.0197, Acc: 45.49%

[Epoch 6] Loss: 1.4392, Supervised: 89.1924, Unsupervised: 0.0399, Acc: 46.45%

[Epoch 7] Loss: 1.3791, Supervised: 85.4699, Unsupervised: 0.0327, Acc: 48.97%

[Epoch 8] Loss: 1.3392, Supervised: 82.9764, Unsupervised: 0.0539, Acc: 50.55%

[Epoch 9] Loss: 1.2969, Supervised: 80.3227, Unsupervised: 0.0857, Acc: 52.72%

[Epoch 10] Loss: 1.2360, Supervised: 76.5461, Unsupervised: 0.0845, Acc: 55.14%

[Epoch 11] Loss: 1.1967, Supervised: 74.0764, Unsupervised: 0.1192, Acc: 56.88%

[Epoch 12] Loss: 1.1445, Supervised: 70.8315, Unsupervised: 0.1254, Acc: 57.81%

[Epoch 13] Loss: 1.1137, Supervised: 68.9160, Unsupervised: 0.1304, Acc: 59.68%

[Epoch 14] Loss: 1.0671, Supervised: 66.0240, Unsupervised: 0.1336, Acc: 61.37%

[Epoch 15] Loss: 1.0244, Supervised: 63.3647, Unsupervised: 0.1506, Acc: 63.68%

[Epoch 16] Loss: 0.9526, Supervised: 58.8864, Unsupervised: 0.1771, Acc: 66.41%

[Epoch 17] Loss: 0.9439, Supervised: 58.3467, Unsupervised: 0.1776, Acc: 66.26%

[Epoch 18] Loss: 0.8655, Supervised: 53.4574, Unsupervised: 0.2038, Acc: 68.90%

[Epoch 19] Loss: 0.8619, Supervised: 53.2266, Unsupervised: 0.2094, Acc: 69.98%

[Epoch 20] Loss: 0.8127, Supervised: 50.1826, Unsupervised: 0.2058, Acc: 70.79%

[Epoch 21] Loss: 0.7966, Supervised: 49.1732, Unsupervised: 0.2178, Acc: 71.93%

[Epoch 22] Loss: 0.7565, Supervised: 46.6544, Unsupervised: 0.2513, Acc: 73.46%

[Epoch 23] Loss: 0.7140, Supervised: 44.0394, Unsupervised: 0.2255, Acc: 74.87%

[Epoch 24] Loss: 0.6814, Supervised: 42.0080, Unsupervised: 0.2417, Acc: 76.01%

[Epoch 25] Loss: 0.6850, Supervised: 42.2463, Unsupervised: 0.2229, Acc: 75.91%

[Epoch 26] Loss: 0.6368, Supervised: 39.2181, Unsupervised: 0.2642, Acc: 77.04%

[Epoch 27] Loss: 0.6100, Supervised: 37.5549, Unsupervised: 0.2640, Acc: 79.71%

[Epoch 28] Loss: 0.6024, Supervised: 37.0929, Unsupervised: 0.2568, Acc: 78.68%

[Epoch 29] Loss: 0.5651, Supervised: 34.7488, Unsupervised: 0.2898, Acc: 79.61%

[Epoch 30] Loss: 0.5420, Supervised: 33.3272, Unsupervised: 0.2785, Acc: 81.12%

[Epoch 31] Loss: 0.5012, Supervised: 30.7977, Unsupervised: 0.2797, Acc: 82.64%

[Epoch 32] Loss: 0.4825, Supervised: 29.6528, Unsupervised: 0.2626, Acc: 83.52%

[Epoch 33] Loss: 0.4302, Supervised: 26.3848, Unsupervised: 0.2846, Acc: 84.07%

[Epoch 34] Loss: 0.4537, Supervised: 27.8453, Unsupervised: 0.2870, Acc: 84.05%

[Epoch 35] Loss: 0.4106, Supervised: 25.1663, Unsupervised: 0.2934, Acc: 85.64%

[Epoch 36] Loss: 0.3897, Supervised: 23.8757, Unsupervised: 0.2845, Acc: 85.89%

[Epoch 37] Loss: 0.4303, Supervised: 26.4082, Unsupervised: 0.2730, Acc: 84.65%

[Epoch 38] Loss: 0.3691, Supervised: 22.6217, Unsupervised: 0.2640, Acc: 86.11%

[Epoch 39] Loss: 0.3526, Supervised: 21.5676, Unsupervised: 0.2950, Acc: 87.15%

[Epoch 40] Loss: 0.3300, Supervised: 20.1784, Unsupervised: 0.2802, Acc: 87.95%

[Epoch 41] Loss: 0.3173, Supervised: 19.4032, Unsupervised: 0.2688, Acc: 88.56%

[Epoch 42] Loss: 0.3246, Supervised: 19.8637, Unsupervised: 0.2630, Acc: 88.61%

[Epoch 43] Loss: 0.2865, Supervised: 17.4848, Unsupervised: 0.2757, Acc: 89.42%

[Epoch 44] Loss: 0.2556, Supervised: 15.5698, Unsupervised: 0.2763, Acc: 90.75%

[Epoch 45] Loss: 0.2463, Supervised: 14.9863, Unsupervised: 0.2870, Acc: 91.53%

[Epoch 46] Loss: 0.2197, Supervised: 13.3548, Unsupervised: 0.2654, Acc: 92.39%

[Epoch 47] Loss: 0.2824, Supervised: 17.2291, Unsupervised: 0.2807, Acc: 90.62%

[Epoch 48] Loss: 0.2676, Supervised: 16.3102, Unsupervised: 0.2809, Acc: 90.75%

[Epoch 49] Loss: 0.2699, Supervised: 16.4544, Unsupervised: 0.2798, Acc: 90.60%

[Epoch 50] Loss: 0.2034, Supervised: 12.3264, Unsupervised: 0.2847, Acc: 93.07%

[Epoch 51] Loss: 0.2677, Supervised: 16.3044, Unsupervised: 0.2905, Acc: 91.00%

[Epoch 52] Loss: 0.2394, Supervised: 14.5593, Unsupervised: 0.2846, Acc: 91.31%

[Epoch 53] Loss: 0.2063, Supervised: 12.5151, Unsupervised: 0.2737, Acc: 93.27%

[Epoch 54] Loss: 0.1682, Supervised: 10.1576, Unsupervised: 0.2702, Acc: 94.51%

[Epoch 55] Loss: 0.1895, Supervised: 11.4807, Unsupervised: 0.2663, Acc: 93.17%

[Epoch 56] Loss: 0.2011, Supervised: 12.2048, Unsupervised: 0.2657, Acc: 92.99%

[Epoch 57] Loss: 0.1627, Supervised: 9.8069, Unsupervised: 0.2818, Acc: 94.20%

[Epoch 58] Loss: 0.1671, Supervised: 10.0922, Unsupervised: 0.2689, Acc: 94.10%

[Epoch 59] Loss: 0.1610, Supervised: 9.7091, Unsupervised: 0.2740, Acc: 94.30%

[Epoch 60] Loss: 0.1706, Supervised: 10.2999, Unsupervised: 0.2780, Acc: 94.30%

[Epoch 61] Loss: 0.1403, Supervised: 8.4369, Unsupervised: 0.2638, Acc: 94.96%

[Epoch 62] Loss: 0.1356, Supervised: 8.1583, Unsupervised: 0.2513, Acc: 95.04%

[Epoch 63] Loss: 0.1624, Supervised: 9.8117, Unsupervised: 0.2574, Acc: 94.68%

[Epoch 64] Loss: 0.1472, Supervised: 8.8599, Unsupervised: 0.2636, Acc: 95.14%

[Epoch 65] Loss: 0.1390, Supervised: 8.3536, Unsupervised: 0.2658, Acc: 95.11%

[Epoch 66] Loss: 0.1275, Supervised: 7.6468, Unsupervised: 0.2606, Acc: 95.46%

[Epoch 67] Loss: 0.1440, Supervised: 8.6715, Unsupervised: 0.2540, Acc: 95.21%

[Epoch 68] Loss: 0.1822, Supervised: 11.0356, Unsupervised: 0.2620, Acc: 94.00%

[Epoch 69] Loss: 0.1496, Supervised: 8.9976, Unsupervised: 0.2804, Acc: 95.14%

[Epoch 70] Loss: 0.0993, Supervised: 5.8789, Unsupervised: 0.2763, Acc: 97.13%

[Epoch 71] Loss: 0.0960, Supervised: 5.7010, Unsupervised: 0.2527, Acc: 96.95%

[Epoch 72] Loss: 0.1004, Supervised: 5.9549, Unsupervised: 0.2720, Acc: 96.80%

[Epoch 73] Loss: 0.1500, Supervised: 9.0357, Unsupervised: 0.2649, Acc: 94.78%

[Epoch 74] Loss: 0.1141, Supervised: 6.8204, Unsupervised: 0.2569, Acc: 95.79%

[Epoch 75] Loss: 0.1155, Supervised: 6.9080, Unsupervised: 0.2516, Acc: 96.19%

[Epoch 76] Loss: 0.1043, Supervised: 6.2155, Unsupervised: 0.2485, Acc: 96.42%

[Epoch 77] Loss: 0.1219, Supervised: 7.3092, Unsupervised: 0.2497, Acc: 96.30%

[Epoch 78] Loss: 0.1343, Supervised: 8.0645, Unsupervised: 0.2617, Acc: 95.51%

[Epoch 79] Loss: 0.1078, Supervised: 6.4249, Unsupervised: 0.2562, Acc: 96.52%

[Epoch 80] Loss: 0.1071, Supervised: 6.3753, Unsupervised: 0.2642, Acc: 96.62%

[Epoch 81] Loss: 0.1027, Supervised: 6.1117, Unsupervised: 0.2558, Acc: 96.75%

[Epoch 82] Loss: 0.1081, Supervised: 6.4381, Unsupervised: 0.2636, Acc: 96.47%

[Epoch 83] Loss: 0.1220, Supervised: 7.2859, Unsupervised: 0.2771, Acc: 95.82%

[Epoch 84] Loss: 0.1210, Supervised: 7.2485, Unsupervised: 0.2519, Acc: 95.74%

[Epoch 85] Loss: 0.1170, Supervised: 7.0009, Unsupervised: 0.2556, Acc: 96.14%

[Epoch 86] Loss: 0.0936, Supervised: 5.5425, Unsupervised: 0.2591, Acc: 97.10%

[Epoch 87] Loss: 0.0899, Supervised: 5.3135, Unsupervised: 0.2593, Acc: 97.28%

[Epoch 88] Loss: 0.0860, Supervised: 5.0975, Unsupervised: 0.2343, Acc: 97.18%

[Epoch 89] Loss: 0.1170, Supervised: 6.9995, Unsupervised: 0.2571, Acc: 96.22%

[Epoch 90] Loss: 0.0888, Supervised: 5.2593, Unsupervised: 0.2468, Acc: 97.03%

[Epoch 91] Loss: 0.1038, Supervised: 6.1860, Unsupervised: 0.2494, Acc: 96.75%

[Epoch 92] Loss: 0.1214, Supervised: 7.2707, Unsupervised: 0.2580, Acc: 95.89%

[Epoch 93] Loss: 0.0804, Supervised: 4.7376, Unsupervised: 0.2492, Acc: 97.56%

[Epoch 94] Loss: 0.0770, Supervised: 4.5346, Unsupervised: 0.2415, Acc: 97.68%

[Epoch 95] Loss: 0.0766, Supervised: 4.5121, Unsupervised: 0.2376, Acc: 97.86%

[Epoch 96] Loss: 0.1267, Supervised: 7.6011, Unsupervised: 0.2548, Acc: 95.69%

[Epoch 97] Loss: 0.0903, Supervised: 5.3504, Unsupervised: 0.2501, Acc: 97.00%

[Epoch 98] Loss: 0.0658, Supervised: 3.8217, Unsupervised: 0.2588, Acc: 98.01%

[Epoch 99] Loss: 0.0580, Supervised: 3.3518, Unsupervised: 0.2466, Acc: 98.14%

[Epoch 100] Loss: 0.0766, Supervised: 4.5026, Unsupervised: 0.2471, Acc: 97.76%

[Epoch 101] Loss: 0.0936, Supervised: 5.5648, Unsupervised: 0.2386, Acc: 96.88%

[Epoch 102] Loss: 0.0927, Supervised: 5.4853, Unsupervised: 0.2614, Acc: 97.30%

[Epoch 103] Loss: 0.0926, Supervised: 5.4738, Unsupervised: 0.2653, Acc: 96.82%

[Epoch 104] Loss: 0.1073, Supervised: 6.4168, Unsupervised: 0.2333, Acc: 96.60%

[Epoch 105] Loss: 0.0931, Supervised: 5.5207, Unsupervised: 0.2490, Acc: 96.88%

[Epoch 106] Loss: 0.1049, Supervised: 6.2672, Unsupervised: 0.2353, Acc: 96.57%

[Epoch 107] Loss: 0.1205, Supervised: 7.2258, Unsupervised: 0.2448, Acc: 95.94%

[Epoch 108] Loss: 0.0882, Supervised: 5.2156, Unsupervised: 0.2544, Acc: 97.13%

[Epoch 109] Loss: 0.0836, Supervised: 4.9364, Unsupervised: 0.2466, Acc: 97.30%

[Epoch 110] Loss: 0.0841, Supervised: 4.9522, Unsupervised: 0.2601, Acc: 97.33%

[Epoch 111] Loss: 0.0737, Supervised: 4.3525, Unsupervised: 0.2195, Acc: 97.56%

[Epoch 112] Loss: 0.0825, Supervised: 4.8741, Unsupervised: 0.2401, Acc: 96.93%

[Epoch 113] Loss: 0.0956, Supervised: 5.6838, Unsupervised: 0.2434, Acc: 96.67%

[Epoch 114] Loss: 0.0950, Supervised: 5.6468, Unsupervised: 0.2450, Acc: 96.42%

[Epoch 115] Loss: 0.0916, Supervised: 5.4402, Unsupervised: 0.2417, Acc: 97.20%

[Epoch 116] Loss: 0.1144, Supervised: 6.8324, Unsupervised: 0.2579, Acc: 96.27%

[Epoch 117] Loss: 0.1183, Supervised: 7.1021, Unsupervised: 0.2336, Acc: 96.40%

[Epoch 118] Loss: 0.1178, Supervised: 7.0512, Unsupervised: 0.2548, Acc: 96.22%

[Epoch 119] Loss: 0.0941, Supervised: 5.5856, Unsupervised: 0.2485, Acc: 97.05%

[Epoch 120] Loss: 0.0763, Supervised: 4.4809, Unsupervised: 0.2526, Acc: 97.63%

[Epoch 121] Loss: 0.0600, Supervised: 3.4636, Unsupervised: 0.2547, Acc: 97.91%

[Epoch 122] Loss: 0.0605, Supervised: 3.5066, Unsupervised: 0.2440, Acc: 98.01%

[Epoch 123] Loss: 0.0737, Supervised: 4.3327, Unsupervised: 0.2352, Acc: 97.63%

[Epoch 124] Loss: 0.0761, Supervised: 4.4795, Unsupervised: 0.2362, Acc: 97.63%

[Epoch 125] Loss: 0.0837, Supervised: 4.9417, Unsupervised: 0.2497, Acc: 97.18%

[Epoch 126] Loss: 0.1039, Supervised: 6.2106, Unsupervised: 0.2291, Acc: 96.65%

[Epoch 127] Loss: 0.0733, Supervised: 4.3023, Unsupervised: 0.2396, Acc: 97.68%

[Epoch 128] Loss: 0.0747, Supervised: 4.3991, Unsupervised: 0.2344, Acc: 97.61%

[Epoch 129] Loss: 0.1120, Supervised: 6.7053, Unsupervised: 0.2393, Acc: 96.45%

[Epoch 130] Loss: 0.1060, Supervised: 6.3194, Unsupervised: 0.2522, Acc: 96.37%

[Epoch 131] Loss: 0.0789, Supervised: 4.6342, Unsupervised: 0.2548, Acc: 97.18%

[Epoch 132] Loss: 0.0772, Supervised: 4.5472, Unsupervised: 0.2420, Acc: 97.51%

[Epoch 133] Loss: 0.0719, Supervised: 4.2258, Unsupervised: 0.2326, Acc: 97.88%

[Epoch 134] Loss: 0.0676, Supervised: 3.9549, Unsupervised: 0.2375, Acc: 98.06%

[Epoch 135] Loss: 0.0664, Supervised: 3.8749, Unsupervised: 0.2402, Acc: 97.91%

[Epoch 136] Loss: 0.0589, Supervised: 3.4198, Unsupervised: 0.2313, Acc: 97.98%

[Epoch 137] Loss: 0.1081, Supervised: 6.4588, Unsupervised: 0.2428, Acc: 96.77%

[Epoch 138] Loss: 0.1010, Supervised: 6.0392, Unsupervised: 0.2208, Acc: 96.45%

[Epoch 139] Loss: 0.0983, Supervised: 5.8413, Unsupervised: 0.2555, Acc: 96.82%

[Epoch 140] Loss: 0.0812, Supervised: 4.7761, Unsupervised: 0.2588, Acc: 97.15%

[Epoch 141] Loss: 0.0878, Supervised: 5.2011, Unsupervised: 0.2439, Acc: 97.28%

[Epoch 142] Loss: 0.0810, Supervised: 4.7805, Unsupervised: 0.2439, Acc: 97.68%

[Epoch 143] Loss: 0.1195, Supervised: 7.1446, Unsupervised: 0.2627, Acc: 95.92%

[Epoch 144] Loss: 0.0851, Supervised: 5.0257, Unsupervised: 0.2491, Acc: 97.25%

[Epoch 145] Loss: 0.0756, Supervised: 4.4401, Unsupervised: 0.2456, Acc: 97.76%

[Epoch 146] Loss: 0.0748, Supervised: 4.4064, Unsupervised: 0.2317, Acc: 97.58%

[Epoch 147] Loss: 0.0678, Supervised: 3.9616, Unsupervised: 0.2422, Acc: 97.93%

[Epoch 148] Loss: 0.0667, Supervised: 3.9017, Unsupervised: 0.2359, Acc: 97.91%

[Epoch 149] Loss: 0.0936, Supervised: 5.5524, Unsupervised: 0.2512, Acc: 96.93%

[Epoch 150] Loss: 0.0913, Supervised: 5.3919, Unsupervised: 0.2669, Acc: 97.00%

[Epoch 151] Loss: 0.0977, Supervised: 5.8042, Unsupervised: 0.2548, Acc: 96.93%

[Epoch 152] Loss: 0.0786, Supervised: 4.6281, Unsupervised: 0.2450, Acc: 97.53%

[Epoch 153] Loss: 0.1065, Supervised: 6.3659, Unsupervised: 0.2353, Acc: 96.14%

[Epoch 154] Loss: 0.1007, Supervised: 5.9988, Unsupervised: 0.2427, Acc: 96.85%

[Epoch 155] Loss: 0.0785, Supervised: 4.6278, Unsupervised: 0.2401, Acc: 97.53%

[Epoch 156] Loss: 0.0956, Supervised: 5.6714, Unsupervised: 0.2541, Acc: 97.13%

[Epoch 157] Loss: 0.0910, Supervised: 5.4003, Unsupervised: 0.2399, Acc: 96.80%

[Epoch 158] Loss: 0.0910, Supervised: 5.4068, Unsupervised: 0.2365, Acc: 97.20%

[Epoch 159] Loss: 0.0596, Supervised: 3.4435, Unsupervised: 0.2546, Acc: 98.16%

[Epoch 160] Loss: 0.0894, Supervised: 5.2838, Unsupervised: 0.2602, Acc: 96.90%

[Epoch 161] Loss: 0.0846, Supervised: 4.9985, Unsupervised: 0.2482, Acc: 97.45%

[Epoch 162] Loss: 0.1282, Supervised: 7.6967, Unsupervised: 0.2522, Acc: 96.02%

[Epoch 163] Loss: 0.0967, Supervised: 5.7629, Unsupervised: 0.2349, Acc: 96.85%

[Epoch 164] Loss: 0.0591, Supervised: 3.4165, Unsupervised: 0.2466, Acc: 98.24%

[Epoch 165] Loss: 0.0529, Supervised: 3.0495, Unsupervised: 0.2278, Acc: 98.19%

[Epoch 166] Loss: 0.0695, Supervised: 4.0801, Unsupervised: 0.2264, Acc: 97.78%

[Epoch 167] Loss: 0.0693, Supervised: 4.0731, Unsupervised: 0.2216, Acc: 97.53%

[Epoch 168] Loss: 0.0855, Supervised: 5.0640, Unsupervised: 0.2388, Acc: 97.23%

[Epoch 169] Loss: 0.0830, Supervised: 4.9160, Unsupervised: 0.2308, Acc: 97.35%

[Epoch 170] Loss: 0.0865, Supervised: 5.1272, Unsupervised: 0.2343, Acc: 97.20%

[Epoch 171] Loss: 0.0650, Supervised: 3.7768, Unsupervised: 0.2537, Acc: 97.96%

[Epoch 172] Loss: 0.0622, Supervised: 3.6250, Unsupervised: 0.2298, Acc: 98.03%

[Epoch 173] Loss: 0.0763, Supervised: 4.4953, Unsupervised: 0.2383, Acc: 97.48%

[Epoch 174] Loss: 0.0649, Supervised: 3.7967, Unsupervised: 0.2297, Acc: 97.98%

[Epoch 175] Loss: 0.0792, Supervised: 4.6619, Unsupervised: 0.2469, Acc: 97.56%

[Epoch 176] Loss: 0.0954, Supervised: 5.6745, Unsupervised: 0.2414, Acc: 96.82%

[Epoch 177] Loss: 0.0790, Supervised: 4.6498, Unsupervised: 0.2496, Acc: 97.28%

[Epoch 178] Loss: 0.0893, Supervised: 5.3123, Unsupervised: 0.2264, Acc: 97.40%

[Epoch 179] Loss: 0.0714, Supervised: 4.1799, Unsupervised: 0.2492, Acc: 97.51%

[Epoch 180] Loss: 0.0758, Supervised: 4.4594, Unsupervised: 0.2422, Acc: 97.53%

[Epoch 181] Loss: 0.0787, Supervised: 4.6353, Unsupervised: 0.2415, Acc: 97.25%

[Epoch 182] Loss: 0.0711, Supervised: 4.1924, Unsupervised: 0.2188, Acc: 97.76%

[Epoch 183] Loss: 0.0829, Supervised: 4.9053, Unsupervised: 0.2364, Acc: 97.51%

[Epoch 184] Loss: 0.0918, Supervised: 5.4615, Unsupervised: 0.2317, Acc: 97.03%

[Epoch 185] Loss: 0.1300, Supervised: 7.8274, Unsupervised: 0.2305, Acc: 95.59%

[Epoch 186] Loss: 0.0843, Supervised: 4.9743, Unsupervised: 0.2543, Acc: 97.20%

[Epoch 187] Loss: 0.0996, Supervised: 5.9513, Unsupervised: 0.2249, Acc: 96.70%

[Epoch 188] Loss: 0.0859, Supervised: 5.0845, Unsupervised: 0.2384, Acc: 97.40%

[Epoch 189] Loss: 0.0937, Supervised: 5.5541, Unsupervised: 0.2539, Acc: 97.13%

[Epoch 190] Loss: 0.0964, Supervised: 5.7294, Unsupervised: 0.2473, Acc: 97.10%

[Epoch 191] Loss: 0.0741, Supervised: 4.3639, Unsupervised: 0.2320, Acc: 97.58%

[Epoch 192] Loss: 0.0386, Supervised: 2.1580, Unsupervised: 0.2351, Acc: 98.92%

[Epoch 193] Loss: 0.0410, Supervised: 2.3100, Unsupervised: 0.2342, Acc: 98.79%

[Epoch 194] Loss: 0.0276, Supervised: 1.4887, Unsupervised: 0.2221, Acc: 99.27%

[Epoch 195] Loss: 0.0378, Supervised: 2.1193, Unsupervised: 0.2226, Acc: 98.87%

[Epoch 196] Loss: 0.0881, Supervised: 5.2351, Unsupervised: 0.2275, Acc: 97.10%

[Epoch 197] Loss: 0.1477, Supervised: 8.9167, Unsupervised: 0.2424, Acc: 95.24%

[Epoch 198] Loss: 0.1462, Supervised: 8.8132, Unsupervised: 0.2541, Acc: 95.14%

[Epoch 199] Loss: 0.0926, Supervised: 5.5080, Unsupervised: 0.2330, Acc: 97.03%

[Epoch 200] Loss: 0.0779, Supervised: 4.5750, Unsupervised: 0.2545, Acc: 97.66%

[Epoch 201] Loss: 0.0728, Supervised: 4.2728, Unsupervised: 0.2391, Acc: 97.73%

[Epoch 202] Loss: 0.0608, Supervised: 3.5378, Unsupervised: 0.2332, Acc: 98.21%

[Epoch 203] Loss: 0.0625, Supervised: 3.6474, Unsupervised: 0.2268, Acc: 97.88%

[Epoch 204] Loss: 0.0616, Supervised: 3.5945, Unsupervised: 0.2238, Acc: 98.14%

[Epoch 205] Loss: 0.0680, Supervised: 3.9806, Unsupervised: 0.2334, Acc: 97.83%

[Epoch 206] Loss: 0.1030, Supervised: 6.1442, Unsupervised: 0.2414, Acc: 96.82%

[Epoch 207] Loss: 0.0935, Supervised: 5.5564, Unsupervised: 0.2404, Acc: 97.10%

[Epoch 208] Loss: 0.0584, Supervised: 3.3798, Unsupervised: 0.2439, Acc: 98.36%

[Epoch 209] Loss: 0.0808, Supervised: 4.7581, Unsupervised: 0.2486, Acc: 97.71%

[Epoch 210] Loss: 0.0736, Supervised: 4.3261, Unsupervised: 0.2367, Acc: 97.71%

[Epoch 211] Loss: 0.0595, Supervised: 3.4575, Unsupervised: 0.2333, Acc: 98.31%

[Epoch 212] Loss: 0.0716, Supervised: 4.2019, Unsupervised: 0.2348, Acc: 97.53%

[Epoch 213] Loss: 0.0591, Supervised: 3.4221, Unsupervised: 0.2444, Acc: 98.44%

[Epoch 214] Loss: 0.0486, Supervised: 2.7610, Unsupervised: 0.2531, Acc: 98.56%

[Epoch 215] Loss: 0.0615, Supervised: 3.5776, Unsupervised: 0.2345, Acc: 98.11%

[Epoch 216] Loss: 0.0629, Supervised: 3.6728, Unsupervised: 0.2244, Acc: 98.24%

[Epoch 217] Loss: 0.1142, Supervised: 6.8392, Unsupervised: 0.2391, Acc: 96.47%

[Epoch 218] Loss: 0.1151, Supervised: 6.8839, Unsupervised: 0.2529, Acc: 96.47%

[Epoch 219] Loss: 0.1303, Supervised: 7.8201, Unsupervised: 0.2583, Acc: 96.14%

[Epoch 220] Loss: 0.0878, Supervised: 5.2021, Unsupervised: 0.2413, Acc: 97.05%

[Epoch 221] Loss: 0.0807, Supervised: 4.7513, Unsupervised: 0.2550, Acc: 97.38%

[Epoch 222] Loss: 0.0826, Supervised: 4.8745, Unsupervised: 0.2457, Acc: 97.48%

[Epoch 223] Loss: 0.0745, Supervised: 4.3801, Unsupervised: 0.2384, Acc: 97.63%

[Epoch 224] Loss: 0.0844, Supervised: 4.9939, Unsupervised: 0.2366, Acc: 97.28%

[Epoch 225] Loss: 0.0834, Supervised: 4.9311, Unsupervised: 0.2418, Acc: 97.38%

[Epoch 226] Loss: 0.0873, Supervised: 5.1634, Unsupervised: 0.2513, Acc: 97.35%

[Epoch 227] Loss: 0.0879, Supervised: 5.2053, Unsupervised: 0.2473, Acc: 97.38%

[Epoch 228] Loss: 0.0634, Supervised: 3.7050, Unsupervised: 0.2271, Acc: 98.06%

[Epoch 229] Loss: 0.0583, Supervised: 3.3807, Unsupervised: 0.2310, Acc: 98.24%

[Epoch 230] Loss: 0.0811, Supervised: 4.7836, Unsupervised: 0.2445, Acc: 97.38%

[Epoch 231] Loss: 0.0789, Supervised: 4.6520, Unsupervised: 0.2380, Acc: 97.20%

[Epoch 232] Loss: 0.0822, Supervised: 4.8463, Unsupervised: 0.2478, Acc: 97.33%

[Epoch 233] Loss: 0.0768, Supervised: 4.5391, Unsupervised: 0.2216, Acc: 97.81%

[Epoch 234] Loss: 0.0842, Supervised: 4.9750, Unsupervised: 0.2477, Acc: 97.51%

[Epoch 235] Loss: 0.0890, Supervised: 5.2699, Unsupervised: 0.2488, Acc: 97.25%

[Epoch 236] Loss: 0.0610, Supervised: 3.5601, Unsupervised: 0.2204, Acc: 98.16%

[Epoch 237] Loss: 0.0760, Supervised: 4.4677, Unsupervised: 0.2446, Acc: 97.45%

[Epoch 238] Loss: 0.0628, Supervised: 3.6609, Unsupervised: 0.2322, Acc: 98.08%

[Epoch 239] Loss: 0.0862, Supervised: 5.1231, Unsupervised: 0.2189, Acc: 97.20%

[Epoch 240] Loss: 0.0920, Supervised: 5.4522, Unsupervised: 0.2534, Acc: 97.33%

[Epoch 241] Loss: 0.0856, Supervised: 5.0504, Unsupervised: 0.2551, Acc: 97.33%

[Epoch 242] Loss: 0.0835, Supervised: 4.9320, Unsupervised: 0.2428, Acc: 97.15%

[Epoch 243] Loss: 0.0691, Supervised: 4.0436, Unsupervised: 0.2415, Acc: 98.11%

[Epoch 244] Loss: 0.0615, Supervised: 3.5761, Unsupervised: 0.2359, Acc: 98.16%

[Epoch 245] Loss: 0.0799, Supervised: 4.7277, Unsupervised: 0.2254, Acc: 97.73%

[Epoch 246] Loss: 0.0646, Supervised: 3.7456, Unsupervised: 0.2612, Acc: 98.03%

[Epoch 247] Loss: 0.0584, Supervised: 3.3934, Unsupervised: 0.2278, Acc: 98.06%

[Epoch 248] Loss: 0.0842, Supervised: 4.9855, Unsupervised: 0.2350, Acc: 97.51%

[Epoch 249] Loss: 0.0765, Supervised: 4.5158, Unsupervised: 0.2278, Acc: 97.40%

[Epoch 250] Loss: 0.1078, Supervised: 6.4632, Unsupervised: 0.2234, Acc: 96.60%

[Epoch 251] Loss: 0.0907, Supervised: 5.3826, Unsupervised: 0.2406, Acc: 97.10%

[Epoch 252] Loss: 0.0945, Supervised: 5.6069, Unsupervised: 0.2497, Acc: 96.77%

[Epoch 253] Loss: 0.0848, Supervised: 5.0418, Unsupervised: 0.2169, Acc: 97.05%

[Epoch 254] Loss: 0.0772, Supervised: 4.5424, Unsupervised: 0.2419, Acc: 97.43%

[Epoch 255] Loss: 0.0810, Supervised: 4.7917, Unsupervised: 0.2326, Acc: 97.30%

[Epoch 256] Loss: 0.0919, Supervised: 5.4678, Unsupervised: 0.2314, Acc: 97.23%

[Epoch 257] Loss: 0.0681, Supervised: 3.9896, Unsupervised: 0.2354, Acc: 98.11%

[Epoch 258] Loss: 0.0548, Supervised: 3.1455, Unsupervised: 0.2534, Acc: 98.54%

[Epoch 259] Loss: 0.0513, Supervised: 2.9598, Unsupervised: 0.2201, Acc: 98.44%

[Epoch 260] Loss: 0.0431, Supervised: 2.4506, Unsupervised: 0.2189, Acc: 98.74%

[Epoch 261] Loss: 0.0371, Supervised: 2.0849, Unsupervised: 0.2158, Acc: 99.02%

[Epoch 262] Loss: 0.0399, Supervised: 2.2459, Unsupervised: 0.2273, Acc: 98.84%

[Epoch 263] Loss: 0.0362, Supervised: 2.0064, Unsupervised: 0.2353, Acc: 98.99%

[Epoch 264] Loss: 0.0269, Supervised: 1.4525, Unsupervised: 0.2169, Acc: 99.37%

[Epoch 265] Loss: 0.0425, Supervised: 2.4125, Unsupervised: 0.2195, Acc: 98.84%

[Epoch 266] Loss: 0.0654, Supervised: 3.8470, Unsupervised: 0.2102, Acc: 98.29%

[Epoch 267] Loss: 0.1653, Supervised: 10.0043, Unsupervised: 0.2413, Acc: 94.61%

[Epoch 268] Loss: 0.1551, Supervised: 9.3812, Unsupervised: 0.2331, Acc: 95.09%

[Epoch 269] Loss: 0.1207, Supervised: 7.2335, Unsupervised: 0.2496, Acc: 96.22%

[Epoch 270] Loss: 0.1127, Supervised: 6.7276, Unsupervised: 0.2596, Acc: 96.55%

[Epoch 271] Loss: 0.0982, Supervised: 5.8406, Unsupervised: 0.2468, Acc: 96.65%

[Epoch 272] Loss: 0.0722, Supervised: 4.2183, Unsupervised: 0.2603, Acc: 97.78%

[Epoch 273] Loss: 0.0498, Supervised: 2.8624, Unsupervised: 0.2269, Acc: 98.59%

[Epoch 274] Loss: 0.0519, Supervised: 2.9785, Unsupervised: 0.2370, Acc: 98.64%

[Epoch 275] Loss: 0.0639, Supervised: 3.7236, Unsupervised: 0.2409, Acc: 98.03%

[Epoch 276] Loss: 0.0615, Supervised: 3.5779, Unsupervised: 0.2361, Acc: 97.98%

[Epoch 277] Loss: 0.0607, Supervised: 3.5247, Unsupervised: 0.2417, Acc: 98.19%

[Epoch 278] Loss: 0.0576, Supervised: 3.3397, Unsupervised: 0.2336, Acc: 98.29%

[Epoch 279] Loss: 0.0939, Supervised: 5.5901, Unsupervised: 0.2313, Acc: 97.13%

[Epoch 280] Loss: 0.0850, Supervised: 5.0418, Unsupervised: 0.2270, Acc: 97.43%

[Epoch 281] Loss: 0.0727, Supervised: 4.2570, Unsupervised: 0.2503, Acc: 97.43%

[Epoch 282] Loss: 0.0728, Supervised: 4.2576, Unsupervised: 0.2534, Acc: 97.63%

[Epoch 283] Loss: 0.0760, Supervised: 4.4682, Unsupervised: 0.2411, Acc: 97.91%

[Epoch 284] Loss: 0.0627, Supervised: 3.6584, Unsupervised: 0.2304, Acc: 98.11%

[Epoch 285] Loss: 0.0644, Supervised: 3.7732, Unsupervised: 0.2222, Acc: 98.08%

[Epoch 286] Loss: 0.0588, Supervised: 3.4314, Unsupervised: 0.2169, Acc: 98.24%

[Epoch 287] Loss: 0.0524, Supervised: 3.0146, Unsupervised: 0.2373, Acc: 98.56%

[Epoch 288] Loss: 0.0814, Supervised: 4.8298, Unsupervised: 0.2192, Acc: 97.15%

[Epoch 289] Loss: 0.0894, Supervised: 5.2956, Unsupervised: 0.2445, Acc: 97.38%

[Epoch 290] Loss: 0.0680, Supervised: 3.9827, Unsupervised: 0.2328, Acc: 97.93%

[Epoch 291] Loss: 0.0600, Supervised: 3.5010, Unsupervised: 0.2188, Acc: 97.98%

[Epoch 292] Loss: 0.0956, Supervised: 5.7096, Unsupervised: 0.2148, Acc: 97.10%

[Epoch 293] Loss: 0.0795, Supervised: 4.6928, Unsupervised: 0.2359, Acc: 97.66%

[Epoch 294] Loss: 0.0774, Supervised: 4.5656, Unsupervised: 0.2314, Acc: 97.45%

[Epoch 295] Loss: 0.0764, Supervised: 4.4741, Unsupervised: 0.2608, Acc: 97.91%

[Epoch 296] Loss: 0.1047, Supervised: 6.2643, Unsupervised: 0.2289, Acc: 96.62%

[Epoch 297] Loss: 0.0952, Supervised: 5.6500, Unsupervised: 0.2525, Acc: 97.03%

[Epoch 298] Loss: 0.0615, Supervised: 3.5790, Unsupervised: 0.2316, Acc: 98.26%

[Epoch 299] Loss: 0.0444, Supervised: 2.5483, Unsupervised: 0.2074, Acc: 98.77%

[Epoch 300] Loss: 0.0422, Supervised: 2.3987, Unsupervised: 0.2185, Acc: 98.87%

[Epoch 301] Loss: 0.0498, Supervised: 2.8621, Unsupervised: 0.2253, Acc: 98.46%

[Epoch 302] Loss: 0.0762, Supervised: 4.5068, Unsupervised: 0.2205, Acc: 97.66%

[Epoch 303] Loss: 0.0986, Supervised: 5.8782, Unsupervised: 0.2353, Acc: 97.00%

[Epoch 304] Loss: 0.0919, Supervised: 5.4337, Unsupervised: 0.2644, Acc: 97.15%

[Epoch 305] Loss: 0.0661, Supervised: 3.8654, Unsupervised: 0.2303, Acc: 98.08%

[Epoch 306] Loss: 0.0932, Supervised: 5.5334, Unsupervised: 0.2420, Acc: 96.90%

[Epoch 307] Loss: 0.0912, Supervised: 5.4213, Unsupervised: 0.2361, Acc: 97.05%

[Epoch 308] Loss: 0.0739, Supervised: 4.3699, Unsupervised: 0.2119, Acc: 98.08%

[Epoch 309] Loss: 0.0848, Supervised: 5.0379, Unsupervised: 0.2194, Acc: 97.35%

[Epoch 310] Loss: 0.0822, Supervised: 4.8532, Unsupervised: 0.2443, Acc: 97.53%

[Epoch 311] Loss: 0.0665, Supervised: 3.8919, Unsupervised: 0.2339, Acc: 98.01%

[Epoch 312] Loss: 0.0369, Supervised: 2.0655, Unsupervised: 0.2194, Acc: 98.84%

[Epoch 313] Loss: 0.0418, Supervised: 2.3747, Unsupervised: 0.2166, Acc: 98.66%

[Epoch 314] Loss: 0.0776, Supervised: 4.6031, Unsupervised: 0.2072, Acc: 97.73%

[Epoch 315] Loss: 0.0619, Supervised: 3.6006, Unsupervised: 0.2403, Acc: 98.01%

[Epoch 316] Loss: 0.0626, Supervised: 3.6500, Unsupervised: 0.2289, Acc: 98.16%

[Epoch 317] Loss: 0.0840, Supervised: 4.9647, Unsupervised: 0.2463, Acc: 97.40%

[Epoch 318] Loss: 0.0745, Supervised: 4.3985, Unsupervised: 0.2211, Acc: 97.61%

[Epoch 319] Loss: 0.1017, Supervised: 6.0716, Unsupervised: 0.2350, Acc: 96.80%

[Epoch 320] Loss: 0.0845, Supervised: 5.0106, Unsupervised: 0.2278, Acc: 97.38%

[Epoch 321] Loss: 0.0750, Supervised: 4.4084, Unsupervised: 0.2396, Acc: 97.98%

[Epoch 322] Loss: 0.0567, Supervised: 3.2781, Unsupervised: 0.2350, Acc: 98.49%

[Epoch 323] Loss: 0.0466, Supervised: 2.6631, Unsupervised: 0.2243, Acc: 98.56%

[Epoch 324] Loss: 0.0582, Supervised: 3.3857, Unsupervised: 0.2211, Acc: 97.96%

[Epoch 325] Loss: 0.0578, Supervised: 3.3465, Unsupervised: 0.2362, Acc: 98.03%

[Epoch 326] Loss: 0.0812, Supervised: 4.8024, Unsupervised: 0.2350, Acc: 97.68%

[Epoch 327] Loss: 0.1088, Supervised: 6.5074, Unsupervised: 0.2404, Acc: 96.47%

[Epoch 328] Loss: 0.1046, Supervised: 6.2560, Unsupervised: 0.2272, Acc: 96.62%

[Epoch 329] Loss: 0.0760, Supervised: 4.4599, Unsupervised: 0.2511, Acc: 97.86%

[Epoch 330] Loss: 0.0746, Supervised: 4.4031, Unsupervised: 0.2213, Acc: 97.76%

[Epoch 331] Loss: 0.0755, Supervised: 4.4591, Unsupervised: 0.2246, Acc: 97.61%

[Epoch 332] Loss: 0.0543, Supervised: 3.1404, Unsupervised: 0.2282, Acc: 98.21%

[Epoch 333] Loss: 0.0487, Supervised: 2.7830, Unsupervised: 0.2363, Acc: 98.59%

[Epoch 334] Loss: 0.0431, Supervised: 2.4375, Unsupervised: 0.2349, Acc: 98.64%

[Epoch 335] Loss: 0.0470, Supervised: 2.6957, Unsupervised: 0.2172, Acc: 98.56%

[Epoch 336] Loss: 0.0501, Supervised: 2.8783, Unsupervised: 0.2278, Acc: 98.49%

[Epoch 337] Loss: 0.0362, Supervised: 2.0184, Unsupervised: 0.2289, Acc: 99.04%

[Epoch 338] Loss: 0.0468, Supervised: 2.6813, Unsupervised: 0.2212, Acc: 98.61%

[Epoch 339] Loss: 0.0675, Supervised: 3.9540, Unsupervised: 0.2298, Acc: 97.91%

[Epoch 340] Loss: 0.0582, Supervised: 3.3639, Unsupervised: 0.2432, Acc: 98.21%

[Epoch 341] Loss: 0.0940, Supervised: 5.5954, Unsupervised: 0.2300, Acc: 96.90%

[Epoch 342] Loss: 0.1606, Supervised: 9.7104, Unsupervised: 0.2482, Acc: 94.66%

[Epoch 343] Loss: 0.1152, Supervised: 6.8936, Unsupervised: 0.2458, Acc: 96.42%

[Epoch 344] Loss: 0.0663, Supervised: 3.8858, Unsupervised: 0.2244, Acc: 98.21%

[Epoch 345] Loss: 0.0486, Supervised: 2.7857, Unsupervised: 0.2260, Acc: 98.36%

[Epoch 346] Loss: 0.0531, Supervised: 3.0801, Unsupervised: 0.2147, Acc: 98.31%

[Epoch 347] Loss: 0.0692, Supervised: 4.0756, Unsupervised: 0.2175, Acc: 97.78%

[Epoch 348] Loss: 0.0734, Supervised: 4.3041, Unsupervised: 0.2486, Acc: 97.63%

[Epoch 349] Loss: 0.0808, Supervised: 4.7792, Unsupervised: 0.2283, Acc: 97.71%

[Epoch 350] Loss: 0.0953, Supervised: 5.6688, Unsupervised: 0.2372, Acc: 96.98%

[Epoch 351] Loss: 0.0789, Supervised: 4.6670, Unsupervised: 0.2278, Acc: 97.28%

[Epoch 352] Loss: 0.1188, Supervised: 7.1414, Unsupervised: 0.2263, Acc: 96.40%

[Epoch 353] Loss: 0.0693, Supervised: 4.0698, Unsupervised: 0.2241, Acc: 97.58%

[Epoch 354] Loss: 0.0788, Supervised: 4.6436, Unsupervised: 0.2407, Acc: 97.48%

[Epoch 355] Loss: 0.0479, Supervised: 2.7464, Unsupervised: 0.2232, Acc: 98.54%

[Epoch 356] Loss: 0.0491, Supervised: 2.8126, Unsupervised: 0.2345, Acc: 98.54%

[Epoch 357] Loss: 0.0428, Supervised: 2.4329, Unsupervised: 0.2190, Acc: 98.69%

[Epoch 358] Loss: 0.0456, Supervised: 2.6016, Unsupervised: 0.2232, Acc: 98.66%

[Epoch 359] Loss: 0.0615, Supervised: 3.5904, Unsupervised: 0.2248, Acc: 98.34%

[Epoch 360] Loss: 0.0712, Supervised: 4.1890, Unsupervised: 0.2267, Acc: 97.98%

[Epoch 361] Loss: 0.0717, Supervised: 4.2093, Unsupervised: 0.2332, Acc: 97.68%

[Epoch 362] Loss: 0.0623, Supervised: 3.6310, Unsupervised: 0.2317, Acc: 98.29%

[Epoch 363] Loss: 0.0531, Supervised: 3.0769, Unsupervised: 0.2145, Acc: 98.44%

[Epoch 364] Loss: 0.0514, Supervised: 2.9686, Unsupervised: 0.2195, Acc: 98.39%

[Epoch 365] Loss: 0.0381, Supervised: 2.1426, Unsupervised: 0.2202, Acc: 98.87%

[Epoch 366] Loss: 0.0372, Supervised: 2.0912, Unsupervised: 0.2160, Acc: 98.82%

[Epoch 367] Loss: 0.1124, Supervised: 6.7453, Unsupervised: 0.2258, Acc: 96.60%

[Epoch 368] Loss: 0.0949, Supervised: 5.6522, Unsupervised: 0.2341, Acc: 97.08%

[Epoch 369] Loss: 0.1098, Supervised: 6.5668, Unsupervised: 0.2413, Acc: 96.70%

[Epoch 370] Loss: 0.0780, Supervised: 4.6080, Unsupervised: 0.2289, Acc: 97.56%

[Epoch 371] Loss: 0.0723, Supervised: 4.2496, Unsupervised: 0.2323, Acc: 97.83%

[Epoch 372] Loss: 0.0813, Supervised: 4.8146, Unsupervised: 0.2287, Acc: 97.53%

[Epoch 373] Loss: 0.0552, Supervised: 3.1775, Unsupervised: 0.2460, Acc: 98.39%

[Epoch 374] Loss: 0.0417, Supervised: 2.3643, Unsupervised: 0.2239, Acc: 98.64%

[Epoch 375] Loss: 0.0555, Supervised: 3.2207, Unsupervised: 0.2218, Acc: 98.49%

[Epoch 376] Loss: 0.0574, Supervised: 3.3424, Unsupervised: 0.2134, Acc: 98.16%

[Epoch 377] Loss: 0.0594, Supervised: 3.4568, Unsupervised: 0.2280, Acc: 98.21%

[Epoch 378] Loss: 0.0763, Supervised: 4.5150, Unsupervised: 0.2152, Acc: 97.61%

[Epoch 379] Loss: 0.0839, Supervised: 4.9641, Unsupervised: 0.2350, Acc: 97.35%

[Epoch 380] Loss: 0.0865, Supervised: 5.1359, Unsupervised: 0.2255, Acc: 97.45%

[Epoch 381] Loss: 0.0527, Supervised: 3.0323, Unsupervised: 0.2324, Acc: 98.61%

[Epoch 382] Loss: 0.0489, Supervised: 2.8093, Unsupervised: 0.2247, Acc: 98.74%

[Epoch 383] Loss: 0.0578, Supervised: 3.3587, Unsupervised: 0.2275, Acc: 98.19%

[Epoch 384] Loss: 0.0562, Supervised: 3.2503, Unsupervised: 0.2343, Acc: 98.49%

[Epoch 385] Loss: 0.0674, Supervised: 3.9468, Unsupervised: 0.2344, Acc: 97.86%

[Epoch 386] Loss: 0.0809, Supervised: 4.7946, Unsupervised: 0.2204, Acc: 97.53%

[Epoch 387] Loss: 0.0690, Supervised: 4.0457, Unsupervised: 0.2335, Acc: 97.86%

[Epoch 388] Loss: 0.0823, Supervised: 4.8731, Unsupervised: 0.2311, Acc: 97.35%

[Epoch 389] Loss: 0.0523, Supervised: 3.0174, Unsupervised: 0.2273, Acc: 98.59%

[Epoch 390] Loss: 0.0377, Supervised: 2.1296, Unsupervised: 0.2097, Acc: 99.04%

[Epoch 391] Loss: 0.0433, Supervised: 2.4657, Unsupervised: 0.2195, Acc: 98.79%

[Epoch 392] Loss: 0.0480, Supervised: 2.7502, Unsupervised: 0.2277, Acc: 98.56%

[Epoch 393] Loss: 0.0605, Supervised: 3.5162, Unsupervised: 0.2342, Acc: 98.21%

[Epoch 394] Loss: 0.0649, Supervised: 3.7957, Unsupervised: 0.2264, Acc: 98.14%

[Epoch 395] Loss: 0.0999, Supervised: 5.9598, Unsupervised: 0.2348, Acc: 97.00%

[Epoch 396] Loss: 0.1094, Supervised: 6.5525, Unsupervised: 0.2325, Acc: 96.82%

[Epoch 397] Loss: 0.1144, Supervised: 6.8522, Unsupervised: 0.2425, Acc: 96.35%

[Epoch 398] Loss: 0.0716, Supervised: 4.2069, Unsupervised: 0.2300, Acc: 97.93%

[Epoch 399] Loss: 0.0648, Supervised: 3.7938, Unsupervised: 0.2251, Acc: 98.06%

[Epoch 400] Loss: 0.0558, Supervised: 3.2388, Unsupervised: 0.2206, Acc: 98.24%

[Epoch 401] Loss: 0.0409, Supervised: 2.3055, Unsupervised: 0.2275, Acc: 98.66%

[Epoch 402] Loss: 0.0356, Supervised: 1.9962, Unsupervised: 0.2130, Acc: 99.07%

[Epoch 403] Loss: 0.0368, Supervised: 2.0677, Unsupervised: 0.2141, Acc: 98.99%

[Epoch 404] Loss: 0.0520, Supervised: 3.0166, Unsupervised: 0.2076, Acc: 98.49%

[Epoch 405] Loss: 0.0877, Supervised: 5.2201, Unsupervised: 0.2177, Acc: 97.38%

[Epoch 406] Loss: 0.0975, Supervised: 5.8065, Unsupervised: 0.2392, Acc: 97.25%

[Epoch 407] Loss: 0.0799, Supervised: 4.7183, Unsupervised: 0.2339, Acc: 97.61%

[Epoch 408] Loss: 0.0395, Supervised: 2.2098, Unsupervised: 0.2388, Acc: 98.92%

[Epoch 409] Loss: 0.0348, Supervised: 1.9251, Unsupervised: 0.2306, Acc: 98.97%

[Epoch 410] Loss: 0.0368, Supervised: 2.0472, Unsupervised: 0.2335, Acc: 98.94%

[Epoch 411] Loss: 0.0670, Supervised: 3.9559, Unsupervised: 0.2001, Acc: 97.91%

[Epoch 412] Loss: 0.0910, Supervised: 5.4162, Unsupervised: 0.2237, Acc: 97.10%

[Epoch 413] Loss: 0.1449, Supervised: 8.7478, Unsupervised: 0.2390, Acc: 95.97%

[Epoch 414] Loss: 0.0824, Supervised: 4.8748, Unsupervised: 0.2341, Acc: 97.63%

[Epoch 415] Loss: 0.0541, Supervised: 3.1181, Unsupervised: 0.2343, Acc: 98.29%

[Epoch 416] Loss: 0.0484, Supervised: 2.7740, Unsupervised: 0.2243, Acc: 98.59%

[Epoch 417] Loss: 0.0356, Supervised: 1.9904, Unsupervised: 0.2199, Acc: 98.97%

[Epoch 418] Loss: 0.0372, Supervised: 2.0941, Unsupervised: 0.2110, Acc: 98.79%

[Epoch 419] Loss: 0.0635, Supervised: 3.7201, Unsupervised: 0.2169, Acc: 98.01%

[Epoch 420] Loss: 0.0816, Supervised: 4.8309, Unsupervised: 0.2296, Acc: 97.30%

[Epoch 421] Loss: 0.0977, Supervised: 5.8420, Unsupervised: 0.2164, Acc: 97.00%

[Epoch 422] Loss: 0.0909, Supervised: 5.3818, Unsupervised: 0.2550, Acc: 97.10%

[Epoch 423] Loss: 0.0710, Supervised: 4.1711, Unsupervised: 0.2292, Acc: 97.73%

[Epoch 424] Loss: 0.0690, Supervised: 4.0413, Unsupervised: 0.2362, Acc: 97.98%

[Epoch 425] Loss: 0.0783, Supervised: 4.6130, Unsupervised: 0.2411, Acc: 97.76%

[Epoch 426] Loss: 0.0721, Supervised: 4.2535, Unsupervised: 0.2165, Acc: 97.83%

[Epoch 427] Loss: 0.0373, Supervised: 2.0853, Unsupervised: 0.2266, Acc: 98.84%

[Epoch 428] Loss: 0.0525, Supervised: 3.0331, Unsupervised: 0.2216, Acc: 98.39%

[Epoch 429] Loss: 0.0751, Supervised: 4.4387, Unsupervised: 0.2188, Acc: 97.71%

[Epoch 430] Loss: 0.0942, Supervised: 5.5963, Unsupervised: 0.2424, Acc: 97.20%

[Epoch 431] Loss: 0.1066, Supervised: 6.3813, Unsupervised: 0.2256, Acc: 96.88%

[Epoch 432] Loss: 0.0672, Supervised: 3.9377, Unsupervised: 0.2277, Acc: 98.06%

[Epoch 433] Loss: 0.0456, Supervised: 2.5958, Unsupervised: 0.2303, Acc: 98.64%

[Epoch 434] Loss: 0.0420, Supervised: 2.3704, Unsupervised: 0.2320, Acc: 98.92%

[Epoch 435] Loss: 0.0286, Supervised: 1.5776, Unsupervised: 0.1930, Acc: 99.22%

[Epoch 436] Loss: 0.0361, Supervised: 2.0258, Unsupervised: 0.2151, Acc: 98.92%

[Epoch 437] Loss: 0.0552, Supervised: 3.2210, Unsupervised: 0.2044, Acc: 98.39%

[Epoch 438] Loss: 0.0632, Supervised: 3.7036, Unsupervised: 0.2162, Acc: 98.46%

[Epoch 439] Loss: 0.0550, Supervised: 3.1699, Unsupervised: 0.2401, Acc: 98.36%

[Epoch 440] Loss: 0.0631, Supervised: 3.6846, Unsupervised: 0.2262, Acc: 97.98%

[Epoch 441] Loss: 0.0757, Supervised: 4.4649, Unsupervised: 0.2262, Acc: 97.61%

[Epoch 442] Loss: 0.0936, Supervised: 5.5862, Unsupervised: 0.2157, Acc: 97.05%

[Epoch 443] Loss: 0.0668, Supervised: 3.9121, Unsupervised: 0.2288, Acc: 98.03%

[Epoch 444] Loss: 0.1040, Supervised: 6.2063, Unsupervised: 0.2386, Acc: 96.72%

[Epoch 445] Loss: 0.0902, Supervised: 5.3460, Unsupervised: 0.2445, Acc: 97.18%

[Epoch 446] Loss: 0.0636, Supervised: 3.7236, Unsupervised: 0.2184, Acc: 98.01%

[Epoch 447] Loss: 0.0669, Supervised: 3.9266, Unsupervised: 0.2213, Acc: 97.98%

[Epoch 448] Loss: 0.0656, Supervised: 3.8447, Unsupervised: 0.2203, Acc: 98.08%

[Epoch 449] Loss: 0.0632, Supervised: 3.6942, Unsupervised: 0.2222, Acc: 98.19%

[Epoch 450] Loss: 0.0526, Supervised: 3.0439, Unsupervised: 0.2188, Acc: 98.36%

[Epoch 451] Loss: 0.0529, Supervised: 3.0555, Unsupervised: 0.2223, Acc: 98.74%

[Epoch 452] Loss: 0.0425, Supervised: 2.4003, Unsupervised: 0.2372, Acc: 98.79%

[Epoch 453] Loss: 0.0226, Supervised: 1.1800, Unsupervised: 0.2200, Acc: 99.42%

[Epoch 454] Loss: 0.0229, Supervised: 1.2067, Unsupervised: 0.2103, Acc: 99.40%

[Epoch 455] Loss: 0.0375, Supervised: 2.1173, Unsupervised: 0.2069, Acc: 99.07%

[Epoch 456] Loss: 0.0407, Supervised: 2.2999, Unsupervised: 0.2219, Acc: 98.71%

[Epoch 457] Loss: 0.0799, Supervised: 4.7584, Unsupervised: 0.1984, Acc: 97.33%

[Epoch 458] Loss: 0.1173, Supervised: 7.0333, Unsupervised: 0.2399, Acc: 95.92%

[Epoch 459] Loss: 0.0893, Supervised: 5.2987, Unsupervised: 0.2407, Acc: 97.51%

[Epoch 460] Loss: 0.0784, Supervised: 4.6407, Unsupervised: 0.2186, Acc: 97.51%

[Epoch 461] Loss: 0.0443, Supervised: 2.5084, Unsupervised: 0.2358, Acc: 98.56%

[Epoch 462] Loss: 0.0360, Supervised: 2.0203, Unsupervised: 0.2111, Acc: 99.17%

[Epoch 463] Loss: 0.0541, Supervised: 3.1296, Unsupervised: 0.2237, Acc: 98.36%

[Epoch 464] Loss: 0.0818, Supervised: 4.8535, Unsupervised: 0.2155, Acc: 97.53%

[Epoch 465] Loss: 0.0885, Supervised: 5.2385, Unsupervised: 0.2485, Acc: 97.00%

[Epoch 466] Loss: 0.0900, Supervised: 5.3518, Unsupervised: 0.2266, Acc: 97.28%

[Epoch 467] Loss: 0.0511, Supervised: 2.9494, Unsupervised: 0.2179, Acc: 98.34%

[Epoch 468] Loss: 0.0834, Supervised: 4.9443, Unsupervised: 0.2282, Acc: 97.58%

[Epoch 469] Loss: 0.0877, Supervised: 5.2201, Unsupervised: 0.2203, Acc: 97.30%

[Epoch 470] Loss: 0.0964, Supervised: 5.7660, Unsupervised: 0.2136, Acc: 97.10%

[Epoch 471] Loss: 0.0756, Supervised: 4.4631, Unsupervised: 0.2233, Acc: 97.63%

[Epoch 472] Loss: 0.0550, Supervised: 3.1747, Unsupervised: 0.2332, Acc: 98.54%

[Epoch 473] Loss: 0.0590, Supervised: 3.4362, Unsupervised: 0.2211, Acc: 98.06%

[Epoch 474] Loss: 0.0478, Supervised: 2.7606, Unsupervised: 0.2022, Acc: 98.64%

[Epoch 475] Loss: 0.0672, Supervised: 3.9266, Unsupervised: 0.2395, Acc: 98.03%

[Epoch 476] Loss: 0.0778, Supervised: 4.5749, Unsupervised: 0.2483, Acc: 97.58%

[Epoch 477] Loss: 0.0523, Supervised: 3.0364, Unsupervised: 0.2088, Acc: 98.36%

[Epoch 478] Loss: 0.0693, Supervised: 4.0866, Unsupervised: 0.2124, Acc: 98.11%

[Epoch 479] Loss: 0.0623, Supervised: 3.6347, Unsupervised: 0.2271, Acc: 98.29%

[Epoch 480] Loss: 0.0749, Supervised: 4.4105, Unsupervised: 0.2324, Acc: 97.56%

[Epoch 481] Loss: 0.0791, Supervised: 4.6824, Unsupervised: 0.2235, Acc: 97.78%

[Epoch 482] Loss: 0.0489, Supervised: 2.8059, Unsupervised: 0.2280, Acc: 98.59%

[Epoch 483] Loss: 0.0573, Supervised: 3.3438, Unsupervised: 0.2098, Acc: 98.08%

[Epoch 484] Loss: 0.0426, Supervised: 2.4107, Unsupervised: 0.2296, Acc: 98.77%

[Epoch 485] Loss: 0.0536, Supervised: 3.1114, Unsupervised: 0.2101, Acc: 98.24%

[Epoch 486] Loss: 0.0458, Supervised: 2.6233, Unsupervised: 0.2159, Acc: 98.61%

[Epoch 487] Loss: 0.0602, Supervised: 3.5233, Unsupervised: 0.2108, Acc: 97.91%

[Epoch 488] Loss: 0.0915, Supervised: 5.4584, Unsupervised: 0.2152, Acc: 97.10%

[Epoch 489] Loss: 0.0856, Supervised: 5.0714, Unsupervised: 0.2379, Acc: 97.15%

[Epoch 490] Loss: 0.0921, Supervised: 5.4843, Unsupervised: 0.2236, Acc: 97.10%

[Epoch 491] Loss: 0.0730, Supervised: 4.3106, Unsupervised: 0.2150, Acc: 97.78%

[Epoch 492] Loss: 0.0556, Supervised: 3.2300, Unsupervised: 0.2167, Acc: 98.36%

[Epoch 493] Loss: 0.0670, Supervised: 3.9334, Unsupervised: 0.2226, Acc: 98.03%

[Epoch 494] Loss: 0.0440, Supervised: 2.4931, Unsupervised: 0.2326, Acc: 98.84%

[Epoch 495] Loss: 0.0432, Supervised: 2.4632, Unsupervised: 0.2145, Acc: 98.79%

[Epoch 496] Loss: 0.0437, Supervised: 2.4892, Unsupervised: 0.2211, Acc: 98.77%

[Epoch 497] Loss: 0.0490, Supervised: 2.8279, Unsupervised: 0.2072, Acc: 98.44%

[Epoch 498] Loss: 0.0512, Supervised: 2.9690, Unsupervised: 0.2060, Acc: 98.51%

[Epoch 499] Loss: 0.0715, Supervised: 4.2226, Unsupervised: 0.2083, Acc: 97.73%

[Seed 1] Test Accuracy: 76.95%

Running experiment: cifar10 | l=4000 | p=0.3 | seed=2

Files already downloaded and verified

Files already downloaded and verified

Dataset cifar10: 4000 labeled instances, 46000 unlabeled instances

Average number of candidates per labeled instance: 3.00

[Epoch 0] Loss: 2.4581, Supervised: 152.3865, Unsupervised: 0.0136, Acc: 19.68%

[Epoch 1] Loss: 1.8747, Supervised: 116.2276, Unsupervised: 0.0013, Acc: 30.17%

[Epoch 2] Loss: 1.7566, Supervised: 108.9080, Unsupervised: 0.0041, Acc: 34.50%

[Epoch 3] Loss: 1.6752, Supervised: 103.8603, Unsupervised: 0.0000, Acc: 37.65%

[Epoch 4] Loss: 1.5877, Supervised: 98.4372, Unsupervised: 0.0032, Acc: 40.52%

[Epoch 5] Loss: 1.5160, Supervised: 93.9744, Unsupervised: 0.0147, Acc: 43.12%

[Epoch 6] Loss: 1.4520, Supervised: 90.0066, Unsupervised: 0.0173, Acc: 46.02%

[Epoch 7] Loss: 1.3977, Supervised: 86.6216, Unsupervised: 0.0330, Acc: 48.97%

[Epoch 8] Loss: 1.3364, Supervised: 82.8263, Unsupervised: 0.0334, Acc: 51.49%

[Epoch 9] Loss: 1.2722, Supervised: 78.8151, Unsupervised: 0.0602, Acc: 54.13%

[Epoch 10] Loss: 1.2149, Supervised: 75.2394, Unsupervised: 0.0824, Acc: 55.47%

[Epoch 11] Loss: 1.1982, Supervised: 74.1876, Unsupervised: 0.0980, Acc: 57.48%

[Epoch 12] Loss: 1.1444, Supervised: 70.8380, Unsupervised: 0.1135, Acc: 58.62%

[Epoch 13] Loss: 1.0736, Supervised: 66.4334, Unsupervised: 0.1303, Acc: 61.49%

[Epoch 14] Loss: 1.0252, Supervised: 63.4019, Unsupervised: 0.1605, Acc: 63.43%

[Epoch 15] Loss: 0.9824, Supervised: 60.7344, Unsupervised: 0.1742, Acc: 65.07%

[Epoch 16] Loss: 0.9586, Supervised: 59.2603, Unsupervised: 0.1756, Acc: 66.56%

[Epoch 17] Loss: 0.9098, Supervised: 56.2207, Unsupervised: 0.1875, Acc: 67.41%

[Epoch 18] Loss: 0.8805, Supervised: 54.3847, Unsupervised: 0.2085, Acc: 67.92%

[Epoch 19] Loss: 0.8393, Supervised: 51.8212, Unsupervised: 0.2172, Acc: 69.81%

[Epoch 20] Loss: 0.8091, Supervised: 49.9313, Unsupervised: 0.2301, Acc: 70.99%

[Epoch 21] Loss: 0.7833, Supervised: 48.3488, Unsupervised: 0.2139, Acc: 72.71%

[Epoch 22] Loss: 0.7617, Supervised: 46.9947, Unsupervised: 0.2298, Acc: 73.36%

[Epoch 23] Loss: 0.7007, Supervised: 43.2014, Unsupervised: 0.2427, Acc: 75.00%

[Epoch 24] Loss: 0.7088, Supervised: 43.7253, Unsupervised: 0.2216, Acc: 74.95%

[Epoch 25] Loss: 0.6616, Supervised: 40.7640, Unsupervised: 0.2552, Acc: 77.29%

[Epoch 26] Loss: 0.6310, Supervised: 38.8690, Unsupervised: 0.2541, Acc: 78.65%

[Epoch 27] Loss: 0.6123, Supervised: 37.7123, Unsupervised: 0.2483, Acc: 78.83%

[Epoch 28] Loss: 0.5856, Supervised: 36.0456, Unsupervised: 0.2595, Acc: 79.84%

[Epoch 29] Loss: 0.5489, Supervised: 33.7788, Unsupervised: 0.2546, Acc: 80.95%

[Epoch 30] Loss: 0.5313, Supervised: 32.6906, Unsupervised: 0.2530, Acc: 80.97%

[Epoch 31] Loss: 0.5144, Supervised: 31.6327, Unsupervised: 0.2593, Acc: 82.01%

[Epoch 32] Loss: 0.4673, Supervised: 28.7168, Unsupervised: 0.2560, Acc: 83.92%

[Epoch 33] Loss: 0.4695, Supervised: 28.8304, Unsupervised: 0.2756, Acc: 83.85%

[Epoch 34] Loss: 0.4267, Supervised: 26.1673, Unsupervised: 0.2906, Acc: 85.06%

[Epoch 35] Loss: 0.4273, Supervised: 26.2124, Unsupervised: 0.2775, Acc: 85.11%

[Epoch 36] Loss: 0.4341, Supervised: 26.6361, Unsupervised: 0.2772, Acc: 84.80%

[Epoch 37] Loss: 0.3703, Supervised: 22.6878, Unsupervised: 0.2724, Acc: 87.17%

[Epoch 38] Loss: 0.3832, Supervised: 23.4793, Unsupervised: 0.2802, Acc: 86.62%

[Epoch 39] Loss: 0.3406, Supervised: 20.8440, Unsupervised: 0.2737, Acc: 88.41%

[Epoch 40] Loss: 0.3502, Supervised: 21.4288, Unsupervised: 0.2848, Acc: 87.53%

[Epoch 41] Loss: 0.3461, Supervised: 21.1861, Unsupervised: 0.2710, Acc: 87.35%

[Epoch 42] Loss: 0.2963, Supervised: 18.0924, Unsupervised: 0.2757, Acc: 89.62%

[Epoch 43] Loss: 0.3234, Supervised: 19.7571, Unsupervised: 0.2909, Acc: 88.58%

[Epoch 44] Loss: 0.2952, Supervised: 18.0400, Unsupervised: 0.2650, Acc: 89.67%

[Epoch 45] Loss: 0.2935, Supervised: 17.9270, Unsupervised: 0.2688, Acc: 89.34%

[Epoch 46] Loss: 0.2749, Supervised: 16.7621, Unsupervised: 0.2835, Acc: 90.37%

[Epoch 47] Loss: 0.2925, Supervised: 17.8373, Unsupervised: 0.2954, Acc: 90.07%

[Epoch 48] Loss: 0.2291, Supervised: 13.9390, Unsupervised: 0.2669, Acc: 92.29%

[Epoch 49] Loss: 0.2354, Supervised: 14.3156, Unsupervised: 0.2765, Acc: 91.91%

[Epoch 50] Loss: 0.2152, Supervised: 13.0658, Unsupervised: 0.2745, Acc: 92.57%

[Epoch 51] Loss: 0.2255, Supervised: 13.6890, Unsupervised: 0.2904, Acc: 92.26%

[Epoch 52] Loss: 0.1733, Supervised: 10.4818, Unsupervised: 0.2602, Acc: 93.67%

[Epoch 53] Loss: 0.1696, Supervised: 10.2291, Unsupervised: 0.2866, Acc: 94.53%

[Epoch 54] Loss: 0.1768, Supervised: 10.6998, Unsupervised: 0.2596, Acc: 93.93%

[Epoch 55] Loss: 0.2053, Supervised: 12.4614, Unsupervised: 0.2670, Acc: 93.02%

[Epoch 56] Loss: 0.2343, Supervised: 14.2509, Unsupervised: 0.2778, Acc: 92.52%

[Epoch 57] Loss: 0.1896, Supervised: 11.4975, Unsupervised: 0.2578, Acc: 93.32%

[Epoch 58] Loss: 0.1629, Supervised: 9.8231, Unsupervised: 0.2741, Acc: 94.28%

[Epoch 59] Loss: 0.1469, Supervised: 8.8354, Unsupervised: 0.2700, Acc: 95.04%

[Epoch 60] Loss: 0.1677, Supervised: 10.1363, Unsupervised: 0.2580, Acc: 94.10%

[Epoch 61] Loss: 0.1577, Supervised: 9.5192, Unsupervised: 0.2553, Acc: 94.86%

[Epoch 62] Loss: 0.1395, Supervised: 8.3801, Unsupervised: 0.2699, Acc: 95.49%

[Epoch 63] Loss: 0.1152, Supervised: 6.8867, Unsupervised: 0.2568, Acc: 95.82%

[Epoch 64] Loss: 0.1423, Supervised: 8.5852, Unsupervised: 0.2372, Acc: 95.14%

[Epoch 65] Loss: 0.1662, Supervised: 10.0486, Unsupervised: 0.2559, Acc: 94.38%

[Epoch 66] Loss: 0.1370, Supervised: 8.2488, Unsupervised: 0.2443, Acc: 95.44%

[Epoch 67] Loss: 0.1524, Supervised: 9.2012, Unsupervised: 0.2468, Acc: 94.61%

[Epoch 68] Loss: 0.1637, Supervised: 9.9015, Unsupervised: 0.2504, Acc: 94.58%

[Epoch 69] Loss: 0.1180, Supervised: 7.0674, Unsupervised: 0.2517, Acc: 96.17%

[Epoch 70] Loss: 0.1266, Supervised: 7.5977, Unsupervised: 0.2540, Acc: 95.92%

[Epoch 71] Loss: 0.1335, Supervised: 8.0275, Unsupervised: 0.2516, Acc: 95.04%

[Epoch 72] Loss: 0.1215, Supervised: 7.2791, Unsupervised: 0.2526, Acc: 95.87%

[Epoch 73] Loss: 0.1435, Supervised: 8.6322, Unsupervised: 0.2667, Acc: 95.26%

[Epoch 74] Loss: 0.1596, Supervised: 9.6567, Unsupervised: 0.2412, Acc: 94.68%

[Epoch 75] Loss: 0.0972, Supervised: 5.7663, Unsupervised: 0.2608, Acc: 97.28%

[Epoch 76] Loss: 0.0922, Supervised: 5.4653, Unsupervised: 0.2499, Acc: 97.35%

[Epoch 77] Loss: 0.0911, Supervised: 5.3941, Unsupervised: 0.2515, Acc: 97.05%

[Epoch 78] Loss: 0.1053, Supervised: 6.2994, Unsupervised: 0.2304, Acc: 96.37%

[Epoch 79] Loss: 0.0777, Supervised: 4.5543, Unsupervised: 0.2609, Acc: 97.48%

[Epoch 80] Loss: 0.0689, Supervised: 4.0411, Unsupervised: 0.2328, Acc: 97.56%

[Epoch 81] Loss: 0.0863, Supervised: 5.1111, Unsupervised: 0.2405, Acc: 97.03%

[Epoch 82] Loss: 0.0950, Supervised: 5.6447, Unsupervised: 0.2453, Acc: 97.15%

[Epoch 83] Loss: 0.0908, Supervised: 5.3844, Unsupervised: 0.2445, Acc: 96.88%

[Epoch 84] Loss: 0.1065, Supervised: 6.3619, Unsupervised: 0.2439, Acc: 96.47%

[Epoch 85] Loss: 0.1160, Supervised: 6.9522, Unsupervised: 0.2418, Acc: 96.17%

[Epoch 86] Loss: 0.1415, Supervised: 8.5253, Unsupervised: 0.2447, Acc: 95.21%

[Epoch 87] Loss: 0.1260, Supervised: 7.5667, Unsupervised: 0.2443, Acc: 95.64%

[Epoch 88] Loss: 0.1036, Supervised: 6.1787, Unsupervised: 0.2450, Acc: 96.60%

[Epoch 89] Loss: 0.1053, Supervised: 6.2882, Unsupervised: 0.2429, Acc: 96.45%

[Epoch 90] Loss: 0.1456, Supervised: 8.7508, Unsupervised: 0.2737, Acc: 95.04%

[Epoch 91] Loss: 0.1068, Supervised: 6.3613, Unsupervised: 0.2590, Acc: 96.45%

[Epoch 92] Loss: 0.1044, Supervised: 6.2280, Unsupervised: 0.2439, Acc: 96.95%

[Epoch 93] Loss: 0.0886, Supervised: 5.2386, Unsupervised: 0.2540, Acc: 97.35%

[Epoch 94] Loss: 0.1016, Supervised: 6.0478, Unsupervised: 0.2525, Acc: 96.67%

[Epoch 95] Loss: 0.0819, Supervised: 4.8365, Unsupervised: 0.2385, Acc: 97.45%

[Epoch 96] Loss: 0.0716, Supervised: 4.1988, Unsupervised: 0.2433, Acc: 97.58%

[Epoch 97] Loss: 0.0688, Supervised: 4.0387, Unsupervised: 0.2258, Acc: 97.96%

[Epoch 98] Loss: 0.0814, Supervised: 4.8063, Unsupervised: 0.2415, Acc: 97.00%

[Epoch 99] Loss: 0.1116, Supervised: 6.6896, Unsupervised: 0.2305, Acc: 96.22%

[Epoch 100] Loss: 0.1028, Supervised: 6.1276, Unsupervised: 0.2431, Acc: 96.65%

[Epoch 101] Loss: 0.1150, Supervised: 6.8936, Unsupervised: 0.2346, Acc: 96.12%

[Epoch 102] Loss: 0.1164, Supervised: 6.9516, Unsupervised: 0.2666, Acc: 96.30%

[Epoch 103] Loss: 0.0897, Supervised: 5.3114, Unsupervised: 0.2479, Acc: 97.25%

[Epoch 104] Loss: 0.0525, Supervised: 3.0334, Unsupervised: 0.2209, Acc: 98.61%

[Epoch 105] Loss: 0.0517, Supervised: 2.9561, Unsupervised: 0.2478, Acc: 98.56%

[Epoch 106] Loss: 0.0634, Supervised: 3.6932, Unsupervised: 0.2396, Acc: 97.96%

[Epoch 107] Loss: 0.0775, Supervised: 4.5567, Unsupervised: 0.2491, Acc: 97.61%

[Epoch 108] Loss: 0.0926, Supervised: 5.5053, Unsupervised: 0.2389, Acc: 97.00%

[Epoch 109] Loss: 0.1613, Supervised: 9.7630, Unsupervised: 0.2394, Acc: 94.51%

[Epoch 110] Loss: 0.1481, Supervised: 8.9292, Unsupervised: 0.2516, Acc: 95.14%

[Epoch 111] Loss: 0.0976, Supervised: 5.8120, Unsupervised: 0.2382, Acc: 96.75%

[Epoch 112] Loss: 0.0850, Supervised: 5.0050, Unsupervised: 0.2625, Acc: 97.18%

[Epoch 113] Loss: 0.0645, Supervised: 3.7443, Unsupervised: 0.2570, Acc: 98.03%

[Epoch 114] Loss: 0.0612, Supervised: 3.5507, Unsupervised: 0.2436, Acc: 97.88%

[Epoch 115] Loss: 0.0777, Supervised: 4.5881, Unsupervised: 0.2285, Acc: 97.51%

[Epoch 116] Loss: 0.0666, Supervised: 3.8967, Unsupervised: 0.2347, Acc: 97.88%

[Epoch 117] Loss: 0.0671, Supervised: 3.9139, Unsupervised: 0.2465, Acc: 97.86%

[Epoch 118] Loss: 0.0719, Supervised: 4.2299, Unsupervised: 0.2256, Acc: 97.61%

[Epoch 119] Loss: 0.0927, Supervised: 5.5012, Unsupervised: 0.2441, Acc: 96.90%

[Epoch 120] Loss: 0.0945, Supervised: 5.6266, Unsupervised: 0.2330, Acc: 96.98%

[Epoch 121] Loss: 0.0946, Supervised: 5.6164, Unsupervised: 0.2506, Acc: 96.93%

[Epoch 122] Loss: 0.0790, Supervised: 4.6535, Unsupervised: 0.2423, Acc: 97.38%

[Epoch 123] Loss: 0.1055, Supervised: 6.2963, Unsupervised: 0.2456, Acc: 96.82%

[Epoch 124] Loss: 0.0977, Supervised: 5.8297, Unsupervised: 0.2294, Acc: 96.60%

[Epoch 125] Loss: 0.0825, Supervised: 4.8708, Unsupervised: 0.2470, Acc: 97.28%

[Epoch 126] Loss: 0.0735, Supervised: 4.3248, Unsupervised: 0.2339, Acc: 97.76%

[Epoch 127] Loss: 0.0794, Supervised: 4.6697, Unsupervised: 0.2540, Acc: 97.40%

[Epoch 128] Loss: 0.0520, Supervised: 2.9970, Unsupervised: 0.2274, Acc: 98.44%

[Epoch 129] Loss: 0.0861, Supervised: 5.0927, Unsupervised: 0.2433, Acc: 97.25%

[Epoch 130] Loss: 0.0766, Supervised: 4.5146, Unsupervised: 0.2360, Acc: 97.45%

[Epoch 131] Loss: 0.1117, Supervised: 6.6701, Unsupervised: 0.2534, Acc: 96.14%

[Epoch 132] Loss: 0.1288, Supervised: 7.7304, Unsupervised: 0.2576, Acc: 96.12%

[Epoch 133] Loss: 0.1042, Supervised: 6.2090, Unsupervised: 0.2530, Acc: 96.72%

[Epoch 134] Loss: 0.0751, Supervised: 4.4055, Unsupervised: 0.2506, Acc: 97.40%

[Epoch 135] Loss: 0.0739, Supervised: 4.3258, Unsupervised: 0.2543, Acc: 97.48%

[Epoch 136] Loss: 0.1024, Supervised: 6.0984, Unsupervised: 0.2495, Acc: 96.88%

[Epoch 137] Loss: 0.0880, Supervised: 5.2131, Unsupervised: 0.2429, Acc: 97.03%

[Epoch 138] Loss: 0.0682, Supervised: 3.9928, Unsupervised: 0.2368, Acc: 97.81%

[Epoch 139] Loss: 0.0697, Supervised: 4.0842, Unsupervised: 0.2378, Acc: 97.93%

[Epoch 140] Loss: 0.0825, Supervised: 4.8640, Unsupervised: 0.2497, Acc: 97.35%

[Epoch 141] Loss: 0.1073, Supervised: 6.4065, Unsupervised: 0.2491, Acc: 96.35%

[Epoch 142] Loss: 0.0869, Supervised: 5.1497, Unsupervised: 0.2357, Acc: 97.35%

[Epoch 143] Loss: 0.0588, Supervised: 3.4121, Unsupervised: 0.2365, Acc: 97.98%

[Epoch 144] Loss: 0.0769, Supervised: 4.5347, Unsupervised: 0.2346, Acc: 97.40%

[Epoch 145] Loss: 0.0877, Supervised: 5.2076, Unsupervised: 0.2268, Acc: 97.15%

[Epoch 146] Loss: 0.0890, Supervised: 5.2639, Unsupervised: 0.2567, Acc: 97.25%

[Epoch 147] Loss: 0.0987, Supervised: 5.8659, Unsupervised: 0.2545, Acc: 96.88%

[Epoch 148] Loss: 0.0903, Supervised: 5.3496, Unsupervised: 0.2489, Acc: 96.98%

[Epoch 149] Loss: 0.0844, Supervised: 4.9965, Unsupervised: 0.2381, Acc: 97.18%

[Epoch 150] Loss: 0.0858, Supervised: 5.0821, Unsupervised: 0.2361, Acc: 97.10%

[Epoch 151] Loss: 0.0742, Supervised: 4.3566, Unsupervised: 0.2442, Acc: 97.83%

[Epoch 152] Loss: 0.0726, Supervised: 4.2656, Unsupervised: 0.2381, Acc: 97.78%

[Epoch 153] Loss: 0.0762, Supervised: 4.4822, Unsupervised: 0.2396, Acc: 97.63%

[Epoch 154] Loss: 0.0608, Supervised: 3.5166, Unsupervised: 0.2541, Acc: 98.44%

[Epoch 155] Loss: 0.1261, Supervised: 7.5753, Unsupervised: 0.2458, Acc: 95.84%

[Epoch 156] Loss: 0.1374, Supervised: 8.2695, Unsupervised: 0.2479, Acc: 95.67%

[Epoch 157] Loss: 0.0776, Supervised: 4.5773, Unsupervised: 0.2314, Acc: 97.48%

[Epoch 158] Loss: 0.0563, Supervised: 3.2515, Unsupervised: 0.2397, Acc: 98.31%

[Epoch 159] Loss: 0.0734, Supervised: 4.3094, Unsupervised: 0.2391, Acc: 97.76%

[Epoch 160] Loss: 0.0664, Supervised: 3.8844, Unsupervised: 0.2317, Acc: 97.78%

[Epoch 161] Loss: 0.0954, Supervised: 5.6782, Unsupervised: 0.2365, Acc: 97.03%

[Epoch 162] Loss: 0.0855, Supervised: 5.0520, Unsupervised: 0.2468, Acc: 97.03%

[Epoch 163] Loss: 0.0575, Supervised: 3.3393, Unsupervised: 0.2235, Acc: 98.29%

[Epoch 164] Loss: 0.0665, Supervised: 3.8963, Unsupervised: 0.2264, Acc: 97.88%

[Epoch 165] Loss: 0.0624, Supervised: 3.6173, Unsupervised: 0.2546, Acc: 98.08%

[Epoch 166] Loss: 0.0840, Supervised: 4.9696, Unsupervised: 0.2357, Acc: 97.23%

[Epoch 167] Loss: 0.1134, Supervised: 6.7870, Unsupervised: 0.2445, Acc: 96.50%

[Epoch 168] Loss: 0.0854, Supervised: 5.0435, Unsupervised: 0.2506, Acc: 97.38%

[Epoch 169] Loss: 0.0950, Supervised: 5.6533, Unsupervised: 0.2356, Acc: 96.67%

[Epoch 170] Loss: 0.0904, Supervised: 5.3663, Unsupervised: 0.2377, Acc: 96.85%

[Epoch 171] Loss: 0.0880, Supervised: 5.2096, Unsupervised: 0.2480, Acc: 97.23%

[Epoch 172] Loss: 0.0780, Supervised: 4.5953, Unsupervised: 0.2380, Acc: 97.76%

[Epoch 173] Loss: 0.0737, Supervised: 4.3367, Unsupervised: 0.2345, Acc: 97.81%

[Epoch 174] Loss: 0.0462, Supervised: 2.6306, Unsupervised: 0.2348, Acc: 98.71%

[Epoch 175] Loss: 0.0487, Supervised: 2.7848, Unsupervised: 0.2354, Acc: 98.61%

[Epoch 176] Loss: 0.0862, Supervised: 5.1095, Unsupervised: 0.2328, Acc: 97.51%

[Epoch 177] Loss: 0.0745, Supervised: 4.3734, Unsupervised: 0.2436, Acc: 97.51%

[Epoch 178] Loss: 0.0734, Supervised: 4.3173, Unsupervised: 0.2362, Acc: 97.63%

[Epoch 179] Loss: 0.0984, Supervised: 5.8633, Unsupervised: 0.2376, Acc: 96.77%

[Epoch 180] Loss: 0.0788, Supervised: 4.6461, Unsupervised: 0.2380, Acc: 97.30%

[Epoch 181] Loss: 0.0789, Supervised: 4.6507, Unsupervised: 0.2419, Acc: 97.63%

[Epoch 182] Loss: 0.0848, Supervised: 4.9944, Unsupervised: 0.2634, Acc: 97.25%

[Epoch 183] Loss: 0.0658, Supervised: 3.8342, Unsupervised: 0.2429, Acc: 98.03%

[Epoch 184] Loss: 0.0475, Supervised: 2.7185, Unsupervised: 0.2272, Acc: 98.49%

[Epoch 185] Loss: 0.0643, Supervised: 3.7582, Unsupervised: 0.2269, Acc: 98.01%

[Epoch 186] Loss: 0.0706, Supervised: 4.1319, Unsupervised: 0.2443, Acc: 97.76%

[Epoch 187] Loss: 0.0881, Supervised: 5.2219, Unsupervised: 0.2410, Acc: 97.08%

[Epoch 188] Loss: 0.0720, Supervised: 4.2279, Unsupervised: 0.2385, Acc: 97.78%

[Epoch 189] Loss: 0.1264, Supervised: 7.5897, Unsupervised: 0.2444, Acc: 96.27%

[Epoch 190] Loss: 0.1168, Supervised: 6.9929, Unsupervised: 0.2479, Acc: 96.22%

[Epoch 191] Loss: 0.1135, Supervised: 6.7771, Unsupervised: 0.2597, Acc: 96.47%

[Epoch 192] Loss: 0.0933, Supervised: 5.5292, Unsupervised: 0.2572, Acc: 97.15%

[Epoch 193] Loss: 0.0706, Supervised: 4.1250, Unsupervised: 0.2505, Acc: 97.48%

[Epoch 194] Loss: 0.0817, Supervised: 4.8150, Unsupervised: 0.2503, Acc: 97.61%

[Epoch 195] Loss: 0.0515, Supervised: 2.9523, Unsupervised: 0.2432, Acc: 98.46%

[Epoch 196] Loss: 0.0552, Supervised: 3.1913, Unsupervised: 0.2341, Acc: 98.36%

[Epoch 197] Loss: 0.0743, Supervised: 4.3685, Unsupervised: 0.2402, Acc: 97.51%

[Epoch 198] Loss: 0.0721, Supervised: 4.2242, Unsupervised: 0.2490, Acc: 97.63%

[Epoch 199] Loss: 0.0729, Supervised: 4.2744, Unsupervised: 0.2437, Acc: 97.51%

[Epoch 200] Loss: 0.0842, Supervised: 4.9827, Unsupervised: 0.2380, Acc: 97.33%

[Epoch 201] Loss: 0.0737, Supervised: 4.3088, Unsupervised: 0.2623, Acc: 97.43%

[Epoch 202] Loss: 0.0870, Supervised: 5.1458, Unsupervised: 0.2457, Acc: 96.88%

[Epoch 203] Loss: 0.1010, Supervised: 6.0085, Unsupervised: 0.2513, Acc: 96.72%

[Epoch 204] Loss: 0.0902, Supervised: 5.3397, Unsupervised: 0.2503, Acc: 96.98%

[Epoch 205] Loss: 0.0460, Supervised: 2.6169, Unsupervised: 0.2347, Acc: 98.84%

[Epoch 206] Loss: 0.0349, Supervised: 1.9310, Unsupervised: 0.2316, Acc: 98.92%

[Epoch 207] Loss: 0.0440, Supervised: 2.5121, Unsupervised: 0.2152, Acc: 98.66%

[Epoch 208] Loss: 0.0498, Supervised: 2.8619, Unsupervised: 0.2260, Acc: 98.36%

[Epoch 209] Loss: 0.0545, Supervised: 3.1503, Unsupervised: 0.2304, Acc: 98.26%

[Epoch 210] Loss: 0.0600, Supervised: 3.4908, Unsupervised: 0.2284, Acc: 98.34%

[Epoch 211] Loss: 0.1340, Supervised: 8.0585, Unsupervised: 0.2470, Acc: 95.87%

[Epoch 212] Loss: 0.1129, Supervised: 6.7499, Unsupervised: 0.2518, Acc: 96.47%

[Epoch 213] Loss: 0.0881, Supervised: 5.2104, Unsupervised: 0.2505, Acc: 97.45%

[Epoch 214] Loss: 0.0652, Supervised: 3.8014, Unsupervised: 0.2429, Acc: 97.76%

[Epoch 215] Loss: 0.1072, Supervised: 6.4115, Unsupervised: 0.2334, Acc: 96.57%

[Epoch 216] Loss: 0.1084, Supervised: 6.4773, Unsupervised: 0.2435, Acc: 96.60%

[Epoch 217] Loss: 0.0774, Supervised: 4.5557, Unsupervised: 0.2443, Acc: 97.35%

[Epoch 218] Loss: 0.0452, Supervised: 2.5735, Unsupervised: 0.2272, Acc: 98.56%

[Epoch 219] Loss: 0.0311, Supervised: 1.7037, Unsupervised: 0.2234, Acc: 99.29%

[Epoch 220] Loss: 0.0610, Supervised: 3.5674, Unsupervised: 0.2176, Acc: 98.21%

[Epoch 221] Loss: 0.0570, Supervised: 3.3044, Unsupervised: 0.2273, Acc: 98.21%

[Epoch 222] Loss: 0.0618, Supervised: 3.6028, Unsupervised: 0.2264, Acc: 98.24%

[Epoch 223] Loss: 0.0468, Supervised: 2.6759, Unsupervised: 0.2249, Acc: 98.66%

[Epoch 224] Loss: 0.0711, Supervised: 4.1756, Unsupervised: 0.2344, Acc: 97.98%

[Epoch 225] Loss: 0.0783, Supervised: 4.6265, Unsupervised: 0.2259, Acc: 97.58%

[Epoch 226] Loss: 0.0660, Supervised: 3.8649, Unsupervised: 0.2291, Acc: 97.93%

[Epoch 227] Loss: 0.1036, Supervised: 6.1835, Unsupervised: 0.2394, Acc: 96.50%

[Epoch 228] Loss: 0.1215, Supervised: 7.2940, Unsupervised: 0.2406, Acc: 96.12%

[Epoch 229] Loss: 0.0852, Supervised: 5.0595, Unsupervised: 0.2247, Acc: 97.30%

[Epoch 230] Loss: 0.0642, Supervised: 3.7355, Unsupervised: 0.2419, Acc: 98.08%

[Epoch 231] Loss: 0.0733, Supervised: 4.3186, Unsupervised: 0.2282, Acc: 97.81%

[Epoch 232] Loss: 0.0614, Supervised: 3.5805, Unsupervised: 0.2260, Acc: 98.08%

[Epoch 233] Loss: 0.0821, Supervised: 4.8634, Unsupervised: 0.2239, Acc: 97.51%

[Epoch 234] Loss: 0.1022, Supervised: 6.0924, Unsupervised: 0.2414, Acc: 96.50%

[Epoch 235] Loss: 0.1111, Supervised: 6.6358, Unsupervised: 0.2532, Acc: 96.55%

[Epoch 236] Loss: 0.1023, Supervised: 6.1114, Unsupervised: 0.2330, Acc: 96.55%

[Epoch 237] Loss: 0.0655, Supervised: 3.8418, Unsupervised: 0.2198, Acc: 98.11%

[Epoch 238] Loss: 0.0694, Supervised: 4.0602, Unsupervised: 0.2440, Acc: 98.01%

[Epoch 239] Loss: 0.0578, Supervised: 3.3682, Unsupervised: 0.2169, Acc: 98.19%

[Epoch 240] Loss: 0.0414, Supervised: 2.3419, Unsupervised: 0.2239, Acc: 98.56%

[Epoch 241] Loss: 0.0859, Supervised: 5.1097, Unsupervised: 0.2188, Acc: 97.18%

[Epoch 242] Loss: 0.0907, Supervised: 5.3855, Unsupervised: 0.2368, Acc: 97.08%

[Epoch 243] Loss: 0.1243, Supervised: 7.4575, Unsupervised: 0.2498, Acc: 96.37%

[Epoch 244] Loss: 0.0915, Supervised: 5.4213, Unsupervised: 0.2546, Acc: 96.77%

[Epoch 245] Loss: 0.0621, Supervised: 3.6128, Unsupervised: 0.2369, Acc: 98.16%

[Epoch 246] Loss: 0.0569, Supervised: 3.3027, Unsupervised: 0.2268, Acc: 98.29%

[Epoch 247] Loss: 0.0734, Supervised: 4.3171, Unsupervised: 0.2318, Acc: 97.73%

[Epoch 248] Loss: 0.0501, Supervised: 2.8752, Unsupervised: 0.2283, Acc: 98.49%

[Epoch 249] Loss: 0.0679, Supervised: 3.9869, Unsupervised: 0.2249, Acc: 98.01%

[Epoch 250] Loss: 0.0777, Supervised: 4.5905, Unsupervised: 0.2275, Acc: 97.68%

[Epoch 251] Loss: 0.1060, Supervised: 6.3323, Unsupervised: 0.2409, Acc: 96.80%

[Epoch 252] Loss: 0.0681, Supervised: 3.9865, Unsupervised: 0.2328, Acc: 97.68%

[Epoch 253] Loss: 0.0870, Supervised: 5.1590, Unsupervised: 0.2365, Acc: 97.45%

[Epoch 254] Loss: 0.0807, Supervised: 4.7668, Unsupervised: 0.2341, Acc: 97.43%

[Epoch 255] Loss: 0.0700, Supervised: 4.0981, Unsupervised: 0.2397, Acc: 97.86%

[Epoch 256] Loss: 0.0629, Supervised: 3.6652, Unsupervised: 0.2317, Acc: 97.88%

[Epoch 257] Loss: 0.0481, Supervised: 2.7756, Unsupervised: 0.2088, Acc: 98.59%

[Epoch 258] Loss: 0.0541, Supervised: 3.1190, Unsupervised: 0.2322, Acc: 98.31%

[Epoch 259] Loss: 0.0474, Supervised: 2.7110, Unsupervised: 0.2267, Acc: 98.49%

[Epoch 260] Loss: 0.0586, Supervised: 3.4115, Unsupervised: 0.2233, Acc: 98.24%

[Epoch 261] Loss: 0.1073, Supervised: 6.4307, Unsupervised: 0.2199, Acc: 96.75%

[Epoch 262] Loss: 0.1080, Supervised: 6.4313, Unsupervised: 0.2642, Acc: 96.65%

[Epoch 263] Loss: 0.0941, Supervised: 5.6079, Unsupervised: 0.2236, Acc: 96.90%

[Epoch 264] Loss: 0.0657, Supervised: 3.8488, Unsupervised: 0.2267, Acc: 97.73%

[Epoch 265] Loss: 0.0569, Supervised: 3.2967, Unsupervised: 0.2283, Acc: 98.39%

[Epoch 266] Loss: 0.0740, Supervised: 4.3640, Unsupervised: 0.2265, Acc: 97.78%

[Epoch 267] Loss: 0.0996, Supervised: 5.9329, Unsupervised: 0.2416, Acc: 96.67%

[Epoch 268] Loss: 0.0961, Supervised: 5.7239, Unsupervised: 0.2316, Acc: 97.00%

[Epoch 269] Loss: 0.0691, Supervised: 4.0371, Unsupervised: 0.2491, Acc: 98.03%

[Epoch 270] Loss: 0.0526, Supervised: 3.0291, Unsupervised: 0.2335, Acc: 98.41%

[Epoch 271] Loss: 0.0498, Supervised: 2.8618, Unsupervised: 0.2242, Acc: 98.77%

[Epoch 272] Loss: 0.0470, Supervised: 2.7005, Unsupervised: 0.2131, Acc: 98.44%

[Epoch 273] Loss: 0.0630, Supervised: 3.6786, Unsupervised: 0.2247, Acc: 98.36%

[Epoch 274] Loss: 0.0609, Supervised: 3.5481, Unsupervised: 0.2265, Acc: 98.26%

[Epoch 275] Loss: 0.1050, Supervised: 6.2688, Unsupervised: 0.2434, Acc: 97.13%

[Epoch 276] Loss: 0.0971, Supervised: 5.7873, Unsupervised: 0.2352, Acc: 96.82%

[Epoch 277] Loss: 0.0706, Supervised: 4.1332, Unsupervised: 0.2447, Acc: 97.76%

[Epoch 278] Loss: 0.0625, Supervised: 3.6398, Unsupervised: 0.2376, Acc: 98.03%

[Epoch 279] Loss: 0.0664, Supervised: 3.8783, Unsupervised: 0.2409, Acc: 97.88%

[Epoch 280] Loss: 0.0604, Supervised: 3.5032, Unsupervised: 0.2415, Acc: 98.06%

[Epoch 281] Loss: 0.0778, Supervised: 4.6119, Unsupervised: 0.2132, Acc: 97.51%

[Epoch 282] Loss: 0.0681, Supervised: 4.0073, Unsupervised: 0.2157, Acc: 97.73%

[Epoch 283] Loss: 0.0732, Supervised: 4.3124, Unsupervised: 0.2243, Acc: 97.78%

[Epoch 284] Loss: 0.0805, Supervised: 4.7392, Unsupervised: 0.2510, Acc: 97.61%

[Epoch 285] Loss: 0.1229, Supervised: 7.3978, Unsupervised: 0.2202, Acc: 96.19%

[Epoch 286] Loss: 0.1060, Supervised: 6.3369, Unsupervised: 0.2362, Acc: 96.55%

[Epoch 287] Loss: 0.0809, Supervised: 4.7778, Unsupervised: 0.2380, Acc: 97.48%

[Epoch 288] Loss: 0.0706, Supervised: 4.1447, Unsupervised: 0.2333, Acc: 97.96%

[Epoch 289] Loss: 0.0777, Supervised: 4.5771, Unsupervised: 0.2424, Acc: 97.56%

[Epoch 290] Loss: 0.0422, Supervised: 2.3687, Unsupervised: 0.2471, Acc: 98.87%

[Epoch 291] Loss: 0.0585, Supervised: 3.4084, Unsupervised: 0.2176, Acc: 98.16%

[Epoch 292] Loss: 0.0538, Supervised: 3.1009, Unsupervised: 0.2318, Acc: 98.29%

[Epoch 293] Loss: 0.0735, Supervised: 4.3187, Unsupervised: 0.2383, Acc: 97.91%

[Epoch 294] Loss: 0.0665, Supervised: 3.8927, Unsupervised: 0.2282, Acc: 98.01%

[Epoch 295] Loss: 0.0885, Supervised: 5.2593, Unsupervised: 0.2264, Acc: 97.30%

[Epoch 296] Loss: 0.0589, Supervised: 3.4039, Unsupervised: 0.2475, Acc: 98.31%

[Epoch 297] Loss: 0.0561, Supervised: 3.2335, Unsupervised: 0.2420, Acc: 98.34%

[Epoch 298] Loss: 0.0639, Supervised: 3.7522, Unsupervised: 0.2111, Acc: 98.03%

[Epoch 299] Loss: 0.0743, Supervised: 4.3584, Unsupervised: 0.2483, Acc: 97.86%

[Epoch 300] Loss: 0.0602, Supervised: 3.5036, Unsupervised: 0.2305, Acc: 98.16%

[Epoch 301] Loss: 0.0651, Supervised: 3.8096, Unsupervised: 0.2249, Acc: 97.71%

[Epoch 302] Loss: 0.0651, Supervised: 3.8105, Unsupervised: 0.2251, Acc: 97.83%

[Epoch 303] Loss: 0.0909, Supervised: 5.4208, Unsupervised: 0.2154, Acc: 97.05%

[Epoch 304] Loss: 0.0579, Supervised: 3.3477, Unsupervised: 0.2450, Acc: 98.14%

[Epoch 305] Loss: 0.0692, Supervised: 4.0647, Unsupervised: 0.2247, Acc: 97.58%

[Epoch 306] Loss: 0.1043, Supervised: 6.2308, Unsupervised: 0.2330, Acc: 96.65%

[Epoch 307] Loss: 0.1274, Supervised: 7.6581, Unsupervised: 0.2423, Acc: 95.72%

[Epoch 308] Loss: 0.1107, Supervised: 6.6220, Unsupervised: 0.2402, Acc: 96.67%

[Epoch 309] Loss: 0.0611, Supervised: 3.5307, Unsupervised: 0.2545, Acc: 98.14%

[Epoch 310] Loss: 0.0360, Supervised: 2.0111, Unsupervised: 0.2214, Acc: 99.09%

[Epoch 311] Loss: 0.0556, Supervised: 3.2248, Unsupervised: 0.2227, Acc: 98.21%

[Epoch 312] Loss: 0.0388, Supervised: 2.1776, Unsupervised: 0.2260, Acc: 98.84%

[Epoch 313] Loss: 0.0438, Supervised: 2.4895, Unsupervised: 0.2283, Acc: 98.82%

[Epoch 314] Loss: 0.0577, Supervised: 3.3593, Unsupervised: 0.2209, Acc: 98.24%

[Epoch 315] Loss: 0.0450, Supervised: 2.5733, Unsupervised: 0.2148, Acc: 98.82%

[Epoch 316] Loss: 0.0822, Supervised: 4.8602, Unsupervised: 0.2335, Acc: 97.35%

[Epoch 317] Loss: 0.1061, Supervised: 6.3304, Unsupervised: 0.2456, Acc: 96.52%

[Epoch 318] Loss: 0.0673, Supervised: 3.9529, Unsupervised: 0.2208, Acc: 98.01%

[Epoch 319] Loss: 0.0891, Supervised: 5.2950, Unsupervised: 0.2301, Acc: 97.35%

[Epoch 320] Loss: 0.0891, Supervised: 5.2886, Unsupervised: 0.2370, Acc: 97.10%

[Epoch 321] Loss: 0.0775, Supervised: 4.5865, Unsupervised: 0.2205, Acc: 97.81%

[Epoch 322] Loss: 0.1135, Supervised: 6.7999, Unsupervised: 0.2373, Acc: 96.90%

[Epoch 323] Loss: 0.0867, Supervised: 5.1137, Unsupervised: 0.2648, Acc: 97.33%

[Epoch 324] Loss: 0.0503, Supervised: 2.8782, Unsupervised: 0.2397, Acc: 98.29%

[Epoch 325] Loss: 0.0521, Supervised: 3.0104, Unsupervised: 0.2220, Acc: 98.46%

[Epoch 326] Loss: 0.0667, Supervised: 3.8961, Unsupervised: 0.2409, Acc: 98.08%

[Epoch 327] Loss: 0.0473, Supervised: 2.7037, Unsupervised: 0.2288, Acc: 98.77%

[Epoch 328] Loss: 0.0349, Supervised: 1.9308, Unsupervised: 0.2326, Acc: 99.09%

[Epoch 329] Loss: 0.0305, Supervised: 1.7040, Unsupervised: 0.1878, Acc: 99.09%

[Epoch 330] Loss: 0.0471, Supervised: 2.6894, Unsupervised: 0.2295, Acc: 98.44%

[Epoch 331] Loss: 0.0752, Supervised: 4.4408, Unsupervised: 0.2202, Acc: 97.66%

[Epoch 332] Loss: 0.1222, Supervised: 7.3419, Unsupervised: 0.2369, Acc: 95.92%

[Epoch 333] Loss: 0.0837, Supervised: 4.9511, Unsupervised: 0.2389, Acc: 97.40%

[Epoch 334] Loss: 0.0741, Supervised: 4.3646, Unsupervised: 0.2279, Acc: 97.93%

[Epoch 335] Loss: 0.0655, Supervised: 3.8465, Unsupervised: 0.2150, Acc: 98.11%

[Epoch 336] Loss: 0.0489, Supervised: 2.8160, Unsupervised: 0.2177, Acc: 98.31%

[Epoch 337] Loss: 0.0665, Supervised: 3.9131, Unsupervised: 0.2100, Acc: 97.88%

[Epoch 338] Loss: 0.1007, Supervised: 5.9938, Unsupervised: 0.2492, Acc: 97.18%

[Epoch 339] Loss: 0.0669, Supervised: 3.9196, Unsupervised: 0.2271, Acc: 97.76%

[Epoch 340] Loss: 0.0462, Supervised: 2.6375, Unsupervised: 0.2277, Acc: 98.56%

[Epoch 341] Loss: 0.0625, Supervised: 3.6592, Unsupervised: 0.2170, Acc: 98.11%

[Epoch 342] Loss: 0.0719, Supervised: 4.2194, Unsupervised: 0.2389, Acc: 97.73%

[Epoch 343] Loss: 0.0625, Supervised: 3.6528, Unsupervised: 0.2205, Acc: 98.08%

[Epoch 344] Loss: 0.0524, Supervised: 3.0147, Unsupervised: 0.2324, Acc: 98.49%

[Epoch 345] Loss: 0.0455, Supervised: 2.5879, Unsupervised: 0.2312, Acc: 98.44%

[Epoch 346] Loss: 0.0591, Supervised: 3.4456, Unsupervised: 0.2174, Acc: 98.08%

[Epoch 347] Loss: 0.0742, Supervised: 4.3739, Unsupervised: 0.2247, Acc: 97.66%

[Epoch 348] Loss: 0.0562, Supervised: 3.2729, Unsupervised: 0.2095, Acc: 98.44%

[Epoch 349] Loss: 0.0636, Supervised: 3.7072, Unsupervised: 0.2346, Acc: 97.86%

[Epoch 350] Loss: 0.0640, Supervised: 3.7410, Unsupervised: 0.2265, Acc: 97.96%

[Epoch 351] Loss: 0.0754, Supervised: 4.4495, Unsupervised: 0.2225, Acc: 97.51%

[Epoch 352] Loss: 0.0662, Supervised: 3.8904, Unsupervised: 0.2159, Acc: 98.01%

[Epoch 353] Loss: 0.0457, Supervised: 2.6207, Unsupervised: 0.2109, Acc: 98.71%

[Epoch 354] Loss: 0.0616, Supervised: 3.6039, Unsupervised: 0.2177, Acc: 98.11%

[Epoch 355] Loss: 0.0813, Supervised: 4.8223, Unsupervised: 0.2177, Acc: 97.40%

[Epoch 356] Loss: 0.0906, Supervised: 5.4100, Unsupervised: 0.2076, Acc: 96.82%

[Epoch 357] Loss: 0.0822, Supervised: 4.8867, Unsupervised: 0.2128, Acc: 97.45%

[Epoch 358] Loss: 0.0800, Supervised: 4.7250, Unsupervised: 0.2374, Acc: 97.73%

[Epoch 359] Loss: 0.0836, Supervised: 4.9518, Unsupervised: 0.2286, Acc: 97.45%

[Epoch 360] Loss: 0.0632, Supervised: 3.7013, Unsupervised: 0.2141, Acc: 97.91%

[Epoch 361] Loss: 0.0543, Supervised: 3.1245, Unsupervised: 0.2446, Acc: 98.39%

[Epoch 362] Loss: 0.0595, Supervised: 3.4825, Unsupervised: 0.2074, Acc: 97.91%

[Epoch 363] Loss: 0.0924, Supervised: 5.4983, Unsupervised: 0.2334, Acc: 97.23%

[Epoch 364] Loss: 0.1089, Supervised: 6.5053, Unsupervised: 0.2470, Acc: 96.40%

[Epoch 365] Loss: 0.0968, Supervised: 5.7722, Unsupervised: 0.2280, Acc: 96.72%

[Epoch 366] Loss: 0.0626, Supervised: 3.6366, Unsupervised: 0.2462, Acc: 97.91%

[Epoch 367] Loss: 0.0466, Supervised: 2.6665, Unsupervised: 0.2229, Acc: 98.66%

[Epoch 368] Loss: 0.0777, Supervised: 4.5911, Unsupervised: 0.2233, Acc: 97.45%

[Epoch 369] Loss: 0.0581, Supervised: 3.3754, Unsupervised: 0.2270, Acc: 98.08%

[Epoch 370] Loss: 0.0593, Supervised: 3.4556, Unsupervised: 0.2227, Acc: 98.31%

[Epoch 371] Loss: 0.0530, Supervised: 3.0711, Unsupervised: 0.2144, Acc: 98.44%

[Epoch 372] Loss: 0.0517, Supervised: 2.9710, Unsupervised: 0.2351, Acc: 98.64%

[Epoch 373] Loss: 0.0791, Supervised: 4.6695, Unsupervised: 0.2317, Acc: 97.56%

[Epoch 374] Loss: 0.0568, Supervised: 3.2985, Unsupervised: 0.2242, Acc: 98.54%

[Epoch 375] Loss: 0.0578, Supervised: 3.3862, Unsupervised: 0.1963, Acc: 98.19%

[Epoch 376] Loss: 0.0604, Supervised: 3.5404, Unsupervised: 0.2043, Acc: 98.16%

[Epoch 377] Loss: 0.0644, Supervised: 3.7715, Unsupervised: 0.2210, Acc: 98.01%

[Epoch 378] Loss: 0.0624, Supervised: 3.6393, Unsupervised: 0.2298, Acc: 98.03%

[Epoch 379] Loss: 0.0490, Supervised: 2.8127, Unsupervised: 0.2250, Acc: 98.66%

[Epoch 380] Loss: 0.0397, Supervised: 2.2455, Unsupervised: 0.2152, Acc: 98.92%

[Epoch 381] Loss: 0.0618, Supervised: 3.6228, Unsupervised: 0.2112, Acc: 98.14%

[Epoch 382] Loss: 0.0628, Supervised: 3.6863, Unsupervised: 0.2083, Acc: 98.19%

[Epoch 383] Loss: 0.0574, Supervised: 3.3409, Unsupervised: 0.2203, Acc: 98.26%

[Epoch 384] Loss: 0.0989, Supervised: 5.9009, Unsupervised: 0.2333, Acc: 96.88%

[Epoch 385] Loss: 0.1220, Supervised: 7.3220, Unsupervised: 0.2432, Acc: 96.70%

[Epoch 386] Loss: 0.0706, Supervised: 4.1313, Unsupervised: 0.2446, Acc: 97.88%

[Epoch 387] Loss: 0.0508, Supervised: 2.9153, Unsupervised: 0.2324, Acc: 98.51%

[Epoch 388] Loss: 0.0481, Supervised: 2.7636, Unsupervised: 0.2180, Acc: 98.69%

[Epoch 389] Loss: 0.0299, Supervised: 1.6351, Unsupervised: 0.2200, Acc: 99.27%

[Epoch 390] Loss: 0.0567, Supervised: 3.2975, Unsupervised: 0.2177, Acc: 98.19%

[Epoch 391] Loss: 0.0654, Supervised: 3.8271, Unsupervised: 0.2267, Acc: 97.76%

[Epoch 392] Loss: 0.0713, Supervised: 4.2032, Unsupervised: 0.2199, Acc: 97.61%

[Epoch 393] Loss: 0.0537, Supervised: 3.1042, Unsupervised: 0.2269, Acc: 98.19%

[Epoch 394] Loss: 0.0809, Supervised: 4.7974, Unsupervised: 0.2157, Acc: 97.40%

[Epoch 395] Loss: 0.0839, Supervised: 4.9809, Unsupervised: 0.2197, Acc: 97.43%

[Epoch 396] Loss: 0.0750, Supervised: 4.4254, Unsupervised: 0.2274, Acc: 97.63%

[Epoch 397] Loss: 0.0662, Supervised: 3.8745, Unsupervised: 0.2298, Acc: 97.98%

[Epoch 398] Loss: 0.0547, Supervised: 3.1731, Unsupervised: 0.2203, Acc: 98.21%

[Epoch 399] Loss: 0.0925, Supervised: 5.5044, Unsupervised: 0.2308, Acc: 97.45%

[Epoch 400] Loss: 0.0920, Supervised: 5.4705, Unsupervised: 0.2329, Acc: 97.05%

[Epoch 401] Loss: 0.0484, Supervised: 2.7657, Unsupervised: 0.2327, Acc: 98.54%

[Epoch 402] Loss: 0.0355, Supervised: 1.9801, Unsupervised: 0.2204, Acc: 98.94%

[Epoch 403] Loss: 0.0396, Supervised: 2.2268, Unsupervised: 0.2261, Acc: 98.82%

[Epoch 404] Loss: 0.0612, Supervised: 3.5643, Unsupervised: 0.2319, Acc: 98.24%

[Epoch 405] Loss: 0.0643, Supervised: 3.7730, Unsupervised: 0.2113, Acc: 97.83%

[Epoch 406] Loss: 0.0548, Supervised: 3.1866, Unsupervised: 0.2091, Acc: 98.36%

[Epoch 407] Loss: 0.0841, Supervised: 5.0027, Unsupervised: 0.2139, Acc: 97.53%

[Epoch 408] Loss: 0.0656, Supervised: 3.8362, Unsupervised: 0.2326, Acc: 97.83%

[Epoch 409] Loss: 0.0468, Supervised: 2.6955, Unsupervised: 0.2047, Acc: 98.64%

[Epoch 410] Loss: 0.0480, Supervised: 2.7603, Unsupervised: 0.2149, Acc: 98.54%

[Epoch 411] Loss: 0.0713, Supervised: 4.1962, Unsupervised: 0.2214, Acc: 97.71%

[Epoch 412] Loss: 0.1008, Supervised: 6.0305, Unsupervised: 0.2208, Acc: 96.88%

[Epoch 413] Loss: 0.0765, Supervised: 4.5072, Unsupervised: 0.2339, Acc: 97.63%

[Epoch 414] Loss: 0.0839, Supervised: 4.9787, Unsupervised: 0.2236, Acc: 97.20%

[Epoch 415] Loss: 0.0847, Supervised: 5.0348, Unsupervised: 0.2166, Acc: 97.30%

[Epoch 416] Loss: 0.0888, Supervised: 5.2847, Unsupervised: 0.2218, Acc: 97.05%

[Epoch 417] Loss: 0.0844, Supervised: 5.0062, Unsupervised: 0.2281, Acc: 97.33%

[Epoch 418] Loss: 0.0607, Supervised: 3.5166, Unsupervised: 0.2453, Acc: 98.21%

[Epoch 419] Loss: 0.0714, Supervised: 4.1929, Unsupervised: 0.2351, Acc: 97.76%

[Epoch 420] Loss: 0.0569, Supervised: 3.2969, Unsupervised: 0.2283, Acc: 98.26%

[Epoch 421] Loss: 0.0547, Supervised: 3.1850, Unsupervised: 0.2063, Acc: 98.39%

[Epoch 422] Loss: 0.0486, Supervised: 2.8031, Unsupervised: 0.2112, Acc: 98.64%

[Epoch 423] Loss: 0.0676, Supervised: 3.9752, Unsupervised: 0.2152, Acc: 98.01%

[Epoch 424] Loss: 0.0886, Supervised: 5.2629, Unsupervised: 0.2286, Acc: 96.90%

[Epoch 425] Loss: 0.0972, Supervised: 5.7870, Unsupervised: 0.2399, Acc: 96.77%

[Epoch 426] Loss: 0.0754, Supervised: 4.4553, Unsupervised: 0.2208, Acc: 97.71%

[Epoch 427] Loss: 0.0702, Supervised: 4.1124, Unsupervised: 0.2404, Acc: 98.01%

[Epoch 428] Loss: 0.0662, Supervised: 3.8881, Unsupervised: 0.2194, Acc: 97.96%

[Epoch 429] Loss: 0.0605, Supervised: 3.5337, Unsupervised: 0.2159, Acc: 98.19%

[Epoch 430] Loss: 0.0407, Supervised: 2.3087, Unsupervised: 0.2148, Acc: 98.74%

[Epoch 431] Loss: 0.0364, Supervised: 2.0532, Unsupervised: 0.2066, Acc: 98.99%

[Epoch 432] Loss: 0.0344, Supervised: 1.9235, Unsupervised: 0.2118, Acc: 99.04%

[Epoch 433] Loss: 0.0438, Supervised: 2.5164, Unsupervised: 0.2003, Acc: 98.74%

[Epoch 434] Loss: 0.0583, Supervised: 3.3840, Unsupervised: 0.2278, Acc: 98.31%

[Epoch 435] Loss: 0.0696, Supervised: 4.0823, Unsupervised: 0.2313, Acc: 97.56%

[Epoch 436] Loss: 0.0812, Supervised: 4.8025, Unsupervised: 0.2316, Acc: 97.61%

[Epoch 437] Loss: 0.1163, Supervised: 6.9590, Unsupervised: 0.2493, Acc: 96.55%

[Epoch 438] Loss: 0.0604, Supervised: 3.5351, Unsupervised: 0.2116, Acc: 98.24%

[Epoch 439] Loss: 0.0623, Supervised: 3.6395, Unsupervised: 0.2223, Acc: 98.26%

[Epoch 440] Loss: 0.0755, Supervised: 4.4614, Unsupervised: 0.2212, Acc: 97.73%

[Epoch 441] Loss: 0.0788, Supervised: 4.6745, Unsupervised: 0.2083, Acc: 97.48%

[Epoch 442] Loss: 0.0538, Supervised: 3.1143, Unsupervised: 0.2202, Acc: 98.51%

[Epoch 443] Loss: 0.0563, Supervised: 3.2603, Unsupervised: 0.2333, Acc: 98.39%

[Epoch 444] Loss: 0.0363, Supervised: 2.0370, Unsupervised: 0.2106, Acc: 99.04%

[Epoch 445] Loss: 0.0360, Supervised: 2.0102, Unsupervised: 0.2245, Acc: 98.94%

[Epoch 446] Loss: 0.0402, Supervised: 2.2775, Unsupervised: 0.2120, Acc: 98.87%

[Epoch 447] Loss: 0.0363, Supervised: 2.0564, Unsupervised: 0.1944, Acc: 98.92%

[Epoch 448] Loss: 0.0531, Supervised: 3.0881, Unsupervised: 0.2058, Acc: 98.21%

[Epoch 449] Loss: 0.0820, Supervised: 4.8699, Unsupervised: 0.2146, Acc: 97.33%

[Epoch 450] Loss: 0.0880, Supervised: 5.2359, Unsupervised: 0.2210, Acc: 97.38%

[Epoch 451] Loss: 0.0495, Supervised: 2.8642, Unsupervised: 0.2072, Acc: 98.44%

[Epoch 452] Loss: 0.0527, Supervised: 3.0480, Unsupervised: 0.2199, Acc: 98.49%

[Epoch 453] Loss: 0.0552, Supervised: 3.2093, Unsupervised: 0.2145, Acc: 98.06%

[Epoch 454] Loss: 0.0557, Supervised: 3.2268, Unsupervised: 0.2244, Acc: 98.31%

[Epoch 455] Loss: 0.0565, Supervised: 3.2864, Unsupervised: 0.2146, Acc: 98.31%

[Epoch 456] Loss: 0.0779, Supervised: 4.6027, Unsupervised: 0.2274, Acc: 97.76%

[Epoch 457] Loss: 0.0641, Supervised: 3.7671, Unsupervised: 0.2042, Acc: 97.88%

[Epoch 458] Loss: 0.0868, Supervised: 5.1364, Unsupervised: 0.2421, Acc: 97.45%

[Epoch 459] Loss: 0.0954, Supervised: 5.6874, Unsupervised: 0.2267, Acc: 97.13%

[Epoch 460] Loss: 0.0615, Supervised: 3.5724, Unsupervised: 0.2435, Acc: 98.26%

[Epoch 461] Loss: 0.0704, Supervised: 4.1420, Unsupervised: 0.2219, Acc: 97.66%

[Epoch 462] Loss: 0.0747, Supervised: 4.4002, Unsupervised: 0.2286, Acc: 97.78%

[Epoch 463] Loss: 0.0907, Supervised: 5.3901, Unsupervised: 0.2324, Acc: 97.30%

[Epoch 464] Loss: 0.0869, Supervised: 5.1485, Unsupervised: 0.2375, Acc: 97.33%

[Epoch 465] Loss: 0.0444, Supervised: 2.5252, Unsupervised: 0.2273, Acc: 98.49%

[Epoch 466] Loss: 0.0374, Supervised: 2.0997, Unsupervised: 0.2212, Acc: 98.99%

[Epoch 467] Loss: 0.0481, Supervised: 2.7679, Unsupervised: 0.2150, Acc: 98.74%

[Epoch 468] Loss: 0.0570, Supervised: 3.3081, Unsupervised: 0.2273, Acc: 98.19%

[Epoch 469] Loss: 0.0484, Supervised: 2.7966, Unsupervised: 0.2054, Acc: 98.56%

[Epoch 470] Loss: 0.0548, Supervised: 3.1626, Unsupervised: 0.2339, Acc: 98.41%

[Epoch 471] Loss: 0.0601, Supervised: 3.5007, Unsupervised: 0.2235, Acc: 98.36%

[Epoch 472] Loss: 0.0403, Supervised: 2.3039, Unsupervised: 0.1971, Acc: 98.79%

[Epoch 473] Loss: 0.0560, Supervised: 3.2639, Unsupervised: 0.2093, Acc: 98.36%

[Epoch 474] Loss: 0.0697, Supervised: 4.1048, Unsupervised: 0.2172, Acc: 97.66%

[Epoch 475] Loss: 0.0466, Supervised: 2.6812, Unsupervised: 0.2085, Acc: 98.56%

[Epoch 476] Loss: 0.0697, Supervised: 4.1037, Unsupervised: 0.2148, Acc: 97.81%

[Epoch 477] Loss: 0.0775, Supervised: 4.5697, Unsupervised: 0.2333, Acc: 97.68%

[Epoch 478] Loss: 0.0701, Supervised: 4.1333, Unsupervised: 0.2107, Acc: 97.81%

[Epoch 479] Loss: 0.0736, Supervised: 4.3284, Unsupervised: 0.2370, Acc: 97.66%

[Epoch 480] Loss: 0.0966, Supervised: 5.7529, Unsupervised: 0.2334, Acc: 97.10%

[Epoch 481] Loss: 0.0749, Supervised: 4.4309, Unsupervised: 0.2156, Acc: 97.73%

[Epoch 482] Loss: 0.0518, Supervised: 2.9780, Unsupervised: 0.2365, Acc: 98.41%

[Epoch 483] Loss: 0.0455, Supervised: 2.5964, Unsupervised: 0.2216, Acc: 98.69%

[Epoch 484] Loss: 0.0510, Supervised: 2.9672, Unsupervised: 0.1978, Acc: 98.41%

[Epoch 485] Loss: 0.0798, Supervised: 4.7304, Unsupervised: 0.2171, Acc: 97.66%

[Epoch 486] Loss: 0.0731, Supervised: 4.3182, Unsupervised: 0.2169, Acc: 97.56%

[Epoch 487] Loss: 0.0582, Supervised: 3.3699, Unsupervised: 0.2384, Acc: 98.36%

[Epoch 488] Loss: 0.0908, Supervised: 5.4176, Unsupervised: 0.2135, Acc: 97.18%

[Epoch 489] Loss: 0.0840, Supervised: 4.9810, Unsupervised: 0.2295, Acc: 97.35%

[Epoch 490] Loss: 0.0720, Supervised: 4.2452, Unsupervised: 0.2178, Acc: 97.81%

[Epoch 491] Loss: 0.0479, Supervised: 2.7477, Unsupervised: 0.2209, Acc: 98.77%

[Epoch 492] Loss: 0.0224, Supervised: 1.1947, Unsupervised: 0.1965, Acc: 99.40%

[Epoch 493] Loss: 0.0319, Supervised: 1.7661, Unsupervised: 0.2090, Acc: 99.12%

[Epoch 494] Loss: 0.0553, Supervised: 3.2016, Unsupervised: 0.2297, Acc: 98.41%

[Epoch 495] Loss: 0.0597, Supervised: 3.4798, Unsupervised: 0.2223, Acc: 98.26%

[Epoch 496] Loss: 0.0841, Supervised: 5.0038, Unsupervised: 0.2121, Acc: 97.71%

[Epoch 497] Loss: 0.0740, Supervised: 4.3856, Unsupervised: 0.2024, Acc: 97.71%

[Epoch 498] Loss: 0.0752, Supervised: 4.4262, Unsupervised: 0.2331, Acc: 97.78%

[Epoch 499] Loss: 0.0399, Supervised: 2.2520, Unsupervised: 0.2235, Acc: 98.87%

[Seed 2] Test Accuracy: 76.50%

CIFAR10 | l=4000, p=0.3 => Accuracy: 76.60 ± 0.25

Process finished with exit code 0