```
Kamals-MacBook-Pro:test Java$ cp homework_1.py ~/SecureComputation/HW4/
Kamals-MacBook-Pro:test Java$ python -m pdb homework_1.py
> /Users/Java/SecureComputation/CrypTen/test/homework_1.py(8)<module>()
-> import logging
(Pdb) c
tensor([[ 10.1979,  -7.9275,   8.1639,  -4.1473,   8.8771,   6.3046,   2.4881,
           2.7219,  18.2963,  10.5338,  -5.0391, -15.9928, -11.9484,  -2.3564,
          11.8753,  -8.6933,   2.8987,  19.7595, -11.2335,   1.7558,  -9.1556,
         -13.1870, -19.9923, -21.7594,  11.2382,  -6.1040,  10.1813,  10.9620,
           8.3160,  13.0241,   8.1260,  -2.4229,   9.3416,  13.6692,  -6.9239,
          -1.2254, -11.0112, -17.7180,  19.1678,   0.1892,  -0.4983,   2.7729,
           3.9775,  16.0974,  -9.3606,   9.9867,   3.6759, -10.7385,  -1.3338,
           0.5016]])
tensor([[ 0.7645, -0.2355,  0.7645, -0.2355,  0.7645,  0.7645,  0.7645,  0.7645,
          0.7645,  0.7645, -0.2355, -0.2355, -0.2355, -0.2355,  0.7645, -0.2355,
          0.7645,  0.7645, -0.2355,  0.7645, -0.2355, -0.2355, -0.2355, -0.2355,
          0.7645, -0.2355,  0.7645,  0.7645,  0.7645,  0.7645,  0.7645, -0.2355,
          0.7645,  0.7645, -0.2355, -0.2355, -0.2355, -0.2355,  0.7645,  0.4537,
         -0.2338,  0.7645,  0.7645,  0.7645, -0.2355,  0.7645,  0.7645, -0.2355,
         -0.2355,  0.7645]])
Epoch 0 --- Training Accuracy 53.69%
tensor([[  9.2780,  -8.9445,   8.3827,  -4.1971,   8.9329,   4.9727,   2.4802,
           0.5927,  18.6631,   9.2233,  -5.5596, -14.9851, -11.6991,  -2.8425,
          11.4766,  -7.3779,   1.9068,  20.1284, -10.1369,   2.3762, -10.1872,
         -13.4536, -20.4685, -21.3348,  11.8991,  -6.3384,   8.9892,  10.4286,
           6.2822,  11.3010,   8.1075,  -1.5153,   9.6181,  14.5990,  -7.6611,
          -1.5543, -10.0546, -18.1059,  18.7850,   0.2738,   0.7237,   2.8074,
           3.0658,  16.0169,  -8.2918,   9.1561,   4.3028, -11.3065,  -1.8527,
           0.4854]])
tensor([[ 0.6849, -0.3151,  0.6849, -0.3151,  0.6849,  0.6849,  0.6849,  0.6849,
          0.6849,  0.6849, -0.3151, -0.3151, -0.3151, -0.3151,  0.6849, -0.3151,
          0.6849,  0.6849, -0.3151,  0.6849, -0.3151, -0.3151, -0.3151, -0.3151,
          0.6849, -0.3151,  0.6849,  0.6849,  0.6849,  0.6849,  0.6849, -0.3151,
          0.6849,  0.6849, -0.3151, -0.3151, -0.3151, -0.3151,  0.6849,  0.4587,
          0.6849,  0.6849,  0.6849,  0.6849, -0.3151,  0.6849,  0.6849, -0.3151,
         -0.3151,  0.6703]])
Epoch 1 --- Training Accuracy 54.76%
tensor([[  8.4580,  -9.8207,   8.5975,  -4.1671,   9.0166,   3.6579,   2.4764,
          -1.3900,  19.0958,   8.0193,  -6.1012, -13.8560, -11.4501,  -3.2799,
          11.1147,  -6.1256,   0.9900,  20.5259,  -8.9903,   3.0326, -11.1518,
         -13.6573, -20.9284, -20.8905,  12.6645,  -6.5591,   7.8881,   9.9475,
           4.3182,   9.6713,   8.1340,  -0.6444,   9.8301,  15.4748,  -8.4089,
          -1.8188,  -9.0974, -18.4413,  18.4854,   0.4175,   1.4861,   2.8718,
           2.1764,  16.0917,  -7.1983,   8.2544,   4.9720, -11.7903,  -2.3431,
           0.4953]])
tensor([[ 0.6199, -0.3801,  0.6199, -0.3801,  0.6199,  0.6199,  0.6199, -0.3801,
          0.6199,  0.6199, -0.3801, -0.3801, -0.3801, -0.3801,  0.6199, -0.3801,
          0.6199,  0.6199, -0.3801,  0.6199, -0.3801, -0.3801, -0.3801, -0.3801,
          0.6199, -0.3801,  0.6199,  0.6199,  0.6199,  0.6199,  0.6199, -0.3801,
          0.6199,  0.6199, -0.3801, -0.3801, -0.3801, -0.3801,  0.6199,  0.5374,
          0.6199,  0.6199,  0.6199,  0.6199, -0.3801,  0.6199,  0.6199, -0.3801,
         -0.3801,  0.6152]])
Epoch 2 --- Training Accuracy 55.91%
tensor([[  7.6029, -10.5875,   8.8089,  -4.0779,   9.2143,   2.3416,   2.3953,
```

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Epoch 2 --- Training Accuracy 55.91%
tensor([[  7.6029, -10.5875,   8.8089,  -4.0779,   9.2143,   2.3416,   2.3953,
          -2.6104,  19.6002,   6.9265,  -6.5789, -12.6281, -11.2844,  -3.7501,
          10.7335,  -4.9002,   0.1088,  20.9181,  -7.8652,   3.6770, -12.0143,
         -13.8767, -21.3233, -20.3978,  13.4657,  -6.7696,   6.8448,   9.4358,
           2.5363,   8.0885,   8.2292,   0.2275,   9.9842,  16.2355,  -9.0284,
          -2.0691,  -8.2302, -18.7953,  18.1726,   0.5225,   2.1429,   2.8948,
           1.3499,  16.1946,  -6.1196,   7.3307,   5.7425, -12.2334,  -2.7291,
           0.5379]])
tensor([[ 0.5753, -0.4247,  0.5753, -0.4247,  0.5753,  0.5753,  0.5753, -0.4247,
          0.5753,  0.5753, -0.4247, -0.4247, -0.4247, -0.4247,  0.5753, -0.4247,
          0.1841,  0.5753, -0.4247,  0.5753, -0.4247, -0.4247, -0.4247, -0.4247,
          0.5753, -0.4247,  0.5753,  0.5753,  0.5753,  0.5753,  0.5753,  0.3029,
          0.5753,  0.5753, -0.4247, -0.4247, -0.4247, -0.4247,  0.5753,  0.5753,
          0.5753,  0.5753,  0.5753,  0.5753, -0.4247,  0.5753,  0.5753, -0.4247,
         -0.4247,  0.5753]])
Epoch 3 --- Training Accuracy 57.12%
tensor([[  6.7949, -11.2839,   9.1168,  -3.9769,   9.3711,   1.0702,   2.4019,
          -3.7993,  20.1128,   5.8411,  -7.0410, -11.3670, -11.0670,  -4.1970,
          10.3948,  -3.6471,  -0.6026,  21.3370,  -6.7883,   4.3940, -12.7955,
         -14.1218, -21.6307, -19.9204,  14.2950,  -6.9992,   5.8496,   8.8883,
           0.8503,   6.5827,   8.3093,   0.7930,  10.1649,  16.8898,  -9.6568,
          -2.2365,  -7.3847, -19.1345,  17.9035,   0.6308,   2.7506,   2.9673,
           0.5441,  16.3342,  -5.0351,   6.4344,   6.4616, -12.6182,  -3.1325,
           0.6100]])
tensor([[ 0.5398, -0.4602,  0.5398, -0.4602,  0.5398,  0.5398,  0.5398, -0.4602,
          0.5398,  0.5398, -0.4602, -0.4602, -0.4602, -0.4602,  0.5398, -0.4602,
         -0.4602,  0.5398, -0.4602,  0.5398, -0.4602, -0.4602, -0.4602, -0.4602,
          0.5398, -0.4602,  0.5398,  0.5398,  0.5398,  0.5398,  0.5398,  0.5398,
          0.5398,  0.5398, -0.4602, -0.4602, -0.4602, -0.4602,  0.5398,  0.5398,
          0.5398,  0.5398,  0.5398,  0.5398, -0.4602,  0.5398,  0.5398, -0.4602,
         -0.4602,  0.5398]])
Epoch 4 --- Training Accuracy 58.00%
tensor([[  6.0026, -11.9505,   9.5287,  -3.8849,   9.5262,  -0.1887,   2.4769,
          -4.9697,  20.6490,   4.7558,  -7.4907, -10.0948, -10.7806,  -4.6161,
          10.0947,  -2.3934,  -1.0200,  21.8153,  -5.7615,   5.1132, -13.5256,
         -14.3773, -21.8582, -19.4588,  15.1602,  -7.2382,   4.8622,   8.3312,
          -0.7602,   5.1271,   8.3919,   1.2744,  10.3554,  17.4905, -10.2797,
          -2.3408,  -6.5732, -19.4914,  17.6708,   0.8024,   3.3272,   3.0912,
          -0.2024,  16.4736,  -3.9108,   5.5649,   7.1485, -12.9543,  -3.5745,
           0.6807]])
tensor([[ 0.5149, -0.4851,  0.5149, -0.4851,  0.5149, -0.1739,  0.5149, -0.4851,
          0.5149,  0.5149, -0.4851, -0.4851, -0.4851, -0.4851,  0.5149, -0.4851,
         -0.4851,  0.5149, -0.4851,  0.5149, -0.4851, -0.4851, -0.4851, -0.4851,
          0.5149, -0.4851,  0.5149,  0.5149, -0.4851,  0.5149,  0.5149,  0.5149,
          0.5149,  0.5149, -0.4851, -0.4851, -0.4851, -0.4851,  0.5149,  0.5149,
          0.5149,  0.5149, -0.1875,  0.5149, -0.4851,  0.5149,  0.5149, -0.4851,
         -0.4851,  0.5149]])
Epoch 5 --- Training Accuracy 60.39%
tensor([[  5.2487, -12.5981,   9.9751,  -3.7221,   9.6199,  -1.1007,   2.5327,
          -6.0006,  21.1592,   3.7090,  -7.8790,  -8.8765, -10.4749,  -4.9897,
           9.7927,  -1.1617,  -1.3307,  22.3801,  -4.8276,   5.8107, -14.1529,
         -14.6559, -22.0543, -18.9543,  15.9934,  -7.4781,   3.9310,   7.7049,
          -1.8554,   3.7434,   8.4231,   1.7092,  10.5881,  18.0868, -10.8142,
          -2.5478,  -5.8398, -19.8248,  17.5686,   1.0503,   3.9290,   3.2850,
          -0.5325,  16.6124,  -2.7871,   4.8438,   7.8015, -13.2548,  -3.9949,
```